

Michael J. Davies
Professor
Inflammation, Metabolism and Oxidation

Postadresse:
Blegdamsvej 3
2200

København N.

E-mail: davies@sund.ku.dk

Mobil: +4523649445

Hjemmeside: <https://bmi.ku.dk/english/research/inflammation-metabolism-and-oxidation/davies-group/>



Kort præsentation

Prof. Michael Davies has pioneered studies on the formation and subsequent reactions of oxidants and other reactive species with proteins, DNA and carbohydrates, and the role of such reactions in biological damage. Recent publications are given at the "Research Output" tab above.

His group have made major contributions to the field of oxidants and oxidative damage. His work on protein modification and the detection and reactions of reactive intermediates is recognised nationally and internationally and has resulted in a number of significant awards, his editorship of journals and his election to a number of prestigious leadership positions in scientific societies.

He has held three prestigious fellowships from the Australian Research Council (QE2, Senior and Professorial), was Director of a (~25 million US\$ per annum turnover) research institute, and led the Sydney (Australia) node of a highly-successful Australian Research Council Centre of Excellence in Free Radical Chemistry and Biotechnology (2006-2013) before moving to the University of Copenhagen, in 2014, after being awarded a Novo Nordisk Laureate research grant. This grant was subsequently renewed in 2021 for a further 7 year period.

Prof. Davies has published 416 peer-reviewed journal articles, 1 book, 8 edited volumes, 28 book chapters and 8 patents. His work has been cited ~ 41,600 (Google Scholar) / ~ 27,600 times (ISI Web of Science) as of April 2022. He has an h-index of 100 (Google Scholar) / 80 (ISI Web of Science) and an m-index (h index divided by number of years since first paper published) of ~2. His work is currently attracting > 2000 citations per year and he averages > 65 citations per paper (ISI data).

Aktiviteter

President-Elect, Society for Free Radical Research - Europe

Davies, Michael J. (Deltager)

2017 → 2018

Aktivitet: Andre aktivitetstyper > Andet

Society for Free Radical Research - Europe (Ekstern organisation)

Davies, Michael J. (Medlem)

2017 → 2018

Aktivitet: Medlemskab - typer > Medlemskab af udvalg, råd og nævn

President, Society for Free Radical Research International (Ekstern organisation)

Davies, Michael J. (Formand)

2013 → 2014

Aktivitet: Medlemskab - typer > Medlemskab af forskningsnetværk

Redox Biology (Tidsskrift)

Davies, Michael J. (Medlem af redaktionsgruppen)

2013 → ...

Aktivitet: Peer-review og redaktionelt arbejde - typer > Redaktør af tidsskrift > Forskning

Biomedical Spectroscopy and Imaging (Tidsskrift)

Davies, Michael J. (Medlem af redaktionsgruppen)

2012 → ...

Aktivitet: Peer-review og redaktionelt arbejde - typer > Redaktør af tidsskrift > Forskning

Director and Board Member, Heart Research Institute (Ekstern organisation)

Davies, Michael J. (Bestyrelsesmedlem)

2012 → 2014

Aktivitet: Medlemskab - typer › Medlemskab af styrelse i virksomhed eller organisation

Toxicology Research (Tidsskrift)

Davies, Michael J. (Medlem af redaktionsgruppen)

2012 → ...

Aktivitet: Peer-review og redaktionelt arbejde - typer › Redaktør af tidsskrift › Forskning

President-Elect, Society for Free Radical Research International (Ekstern organisation)

Davies, Michael J. (Formand)

2011 → 2012

Aktivitet: Medlemskab - typer › Medlemskab af forskningsnetværk

Chairperson, Biomedical Science and Biotechnology Committee, Australian Institute of Nuclear Science and Engineering (Ekstern organisation)

Davies, Michael J. (Formand)

2010 → 2014

Aktivitet: Medlemskab - typer › Medlemskab af udvalg, råd og nævn

Associate Editor, Photochemistry and Photobiology (Tidsskrift)

Davies, Michael J. (Redaktør)

1 jan. 2009 → ...

Aktivitet: Peer-review og redaktionelt arbejde - typer › Redaktør af tidsskrift › Forskning

Biochemical Journal (Tidsskrift)

Davies, Michael J. (Redaktør)

1 jan. 2009 → ...

Aktivitet: Peer-review og redaktionelt arbejde - typer › Redaktør af tidsskrift › Forskning

Editor in Chief, Free Radical Research (Tidsskrift)

Davies, Michael J. (Redaktør)

1 jan. 2009 → ...

Aktivitet: Peer-review og redaktionelt arbejde - typer › Redaktør af tidsskrift › Forskning

Australian Research Council Professorial Fellowship

Davies, Michael J. (Prismodtager)

2009 → 2013

Aktivitet: Andre aktivitetstyper › Andet (priser, ekstern undervisning samt andet). - Priser, stipendier, udnævnelser

Vice-President, International EPR Society (Ekstern organisation)

Davies, Michael J. (Bestyrelsesmedlem)

2008 → 2011

Aktivitet: Medlemskab - typer › Medlemskab af forskningsnetværk

Secretary-General, Society for Free Radical Research International (Ekstern organisation)

Davies, Michael J. (Sekretær)

2007 → 2010

Aktivitet: Medlemskab - typer › Medlemskab af forskningsnetværk

Journal of Clinical Biochemistry and Nutrition (Tidsskrift)

Davies, Michael J. (Medlem af redaktionsgruppen)

2006 → ...

Aktivitet: Peer-review og redaktionelt arbejde - typer › Redaktør af tidsskrift › Forskning

Council member, American Society for Photobiology (Ekstern organisation)

Davies, Michael J. (Bestyrelsesmedlem)

2005 → 2008

Aktivitet: Medlemskab - typer › Medlemskab af forskningsnetværk

International Committee member, Oxygen Club of California (Ekstern organisation)

Davies, Michael J. (Medlem)

2005 → ...

Aktivitet: Medlemskab - typer › Medlemskab af forskningsnetværk

Management Committee, Australian Research Council Centre of Excellence in Free Radical Chemistry and Biotechnology (Ekstern organisation)

Davies, Michael J. (Bestyrelsesmedlem)

2005 → 2013

Aktivitet: Medlemskab - typer › Medlemskab af forskningsnetværk

Chemical Research in Toxicology (Tidsskrift)

Davies, Michael J. (Medlem af redaktionsgruppen)

2003 → 2005

Aktivitet: Peer-review og redaktionelt arbejde - typer › Redaktør af tidsskrift › Forskning

Secretary and Public Officer, Mutagenesis and Experimental Pathology Society Australasia (Ekstern organisation)

Davies, Michael J. (Sekretær)

2003 → 2005

Aktivitet: Medlemskab - typer › Medlemskab af forskningsnetværk

Council member, Mutagenesis and Experimental Pathology Society Australasia (Ekstern organisation)

Davies, Michael J. (Bestyrelsesmedlem)

2002 → 2007

Aktivitet: Medlemskab - typer › Medlemskab af forskningsnetværk

Deputy Director, The Heart Research Institute (Ekstern organisation)

Davies, Michael J. (Bestyrelsesmedlem)

2001 → 2012

Aktivitet: Medlemskab - typer › Medlemskab af styrelse i virksomhed eller organisation

President, Society for Free Radical Research (Australasia) (Ekstern organisation)

Davies, Michael J. (Formand)

2001 → 2003

Aktivitet: Medlemskab - typer › Medlemskab af forskningsnetværk

Spectroscopy (Tidsskrift)

Davies, Michael J. (Medlem af redaktionsgruppen)

2001 → 2012

Aktivitet: Peer-review og redaktionelt arbejde - typer › Redaktør af tidsskrift › Forskning

Australian Research Council Senior Fellowship

Davies, Michael J. (Prismodtager)

2000 → 2005

Aktivitet: Andre aktivitetstyper › Andet (priser, ekstern undervisning samt andet). - Priser, stipendier, udnævnelser

Free Radical Biology and Medicine (Tidsskrift)

Davies, Michael J. (Medlem af redaktionsgruppen)

2000 → ...

Aktivitet: Peer-review og redaktionelt arbejde - typer › Redaktør af tidsskrift › Forskning

Free Radical Research (Tidsskrift)

Davies, Michael J. (Medlem af redaktionsgruppen)

2000 → ...

Aktivitet: Peer-review og redaktionelt arbejde - typer › Redaktør af tidsskrift › Forskning

President-Elect, Society for Free Radical Research (Australasia) (Ekstern organisation)

Davies, Michael J. (Formand)

1999 → 2001

Aktivitet: Medlemskab - typer › Medlemskab af forskningsnetværk

Biochemical Journal (Tidsskrift)

Davies, Michael J. (Medlem af redaktionsgruppen)

1 jan. 1998 → ...

Aktivitet: Peer-review og redaktionelt arbejde - typer › Redaktør af tidsskrift › Forskning

Australian Research Council Queen Elizabeth 2 Fellowship

Davies, Michael J. (Prismodtager)

1996 → 2000

Aktivitet: Andre aktivitetstyper › Andet (priser, ekstern undervisning samt andet). - Priser, stipendier, udnævnelser

Redox Report (Online) (Tidsskrift)

Davies, Michael J. (Medlem af redaktionsgruppen)

1994 → ...

Aktivitet: Peer-review og redaktionelt arbejde - typer › Redaktør af tidsskrift › Forskning

Royal Society of Chemistry, ESR/EPR Specialist Periodical Reports (Tidsskrift)

Davies, Michael J. (Redaktør)

1993 → 2008

Aktivitet: Peer-review og redaktionelt arbejde - typer › Redaktør af serie › Forskning

Royal Society of Chemistry, ESR Group Committee (Ekstern organisation)

Davies, Michael J. (Medlem)

1992 → 1995

Aktivitet: Medlemskab - typer › Medlemskab af forskningsnetværk

Society for Free Radical Research, European Committee (Ekstern organisation)

Davies, Michael J. (Bestyrelsesmedlem)

1992 → 1994

Aktivitet: Medlemskab - typer › Medlemskab af forskningsnetværk

Bibliographic data

Prof. Davies has published 304 peer-reviewed journal articles, 1 book, 8 edited volumes, 25 book chapters and 5 patents. His work has been cited ~ 15,330 times as of March 2015 (ISI Web of Science). He has an h-index of 62 (ISI Web of Science) and an m-index (h index divided by number of years since first paper published) of ~2. His work is currently attracting > 1000 citations per year and he averages > 52 citations per paper.

Publikationer

1. **Oxidation of the active site cysteine residue of glyceraldehyde-3-phosphate dehydrogenase to the hyper-oxidized sulfonic acid form is favored under crowded conditions**
Glover, M. R., Davies, Michael J. & Fuentes Lemus, Eduardo, 2024, I: Free Radical Biology and Medicine. 212, s. 1-9 9 s.
2. **Proteomic analysis of the extracellular matrix of human atherosclerotic plaques shows marked changes between plaque types**
Lorentzen, Lasse Gøbel, Yeung, K., Eldrup, Nikolaj, Eiberg, Jonas Peter, Sillesen, Henrik & Davies, Michael J., 2024, I: Matrix Biology Plus. 21, 14 s., 100141.

3. **Complexation of AAPH (2,2'-azobis(2-methylpropionamidine) dihydrochloride) with cucurbit[7]uril enhances the yield of AAPH-derived radicals**
Forero-Girón, A. C., Fuentealba, D., Mariño-Ocampo, N., Gutiérrez-Oliva, S., Herrera, B., Toro-Labbé, A., Fuentes Lemus, Eduardo, Davies, Michael J., Aliaga, M. E. & López-Alarcón, C., 2023, I: Journal of Molecular Liquids. 389, 9 s., 122840.
4. **Detrimental Actions of Chlorinated Nucleosides on the Function and Viability of Insulin-Producing Cells**
Sileikaite-Morvaközi, I., Hansen, W. H., Davies, Michael J., Mandrup-Poulsen, Thomas & Hawkins, Clare Louise, 2023, I: International Journal of Molecular Sciences. 24, 19, 13 s., 14585.
5. **Effect of crowding, compartmentalization and nanodomains on protein modification and redox signaling – current state and future challenges**
Fuentes Lemus, Eduardo & Davies, Michael J., 2023, I: Free Radical Biology and Medicine. 196, s. 81-92
6. **Exposure to peroxynitrite impacts the ability of anastellin to modulate the structure of extracellular matrix**
He, Jianfei, Chuang, Christine, Hawkins, Clare Louise, Davies, Michael J. & Hägglund, Per Mårten, 2023, I: Free Radical Biology and Medicine. 206, s. 83-93 11 s.
7. **Genotoxicity assessment of 1,4-anhydro-4-seleno-D-talitol (SeTal) in human liver HepG2 and HepaRG cells**
di Vito, R., Acito, M., Fatigoni, C., Schiesser, C. H., Davies, Michael J., Mangiavacchi, F., Villarini, M., Santi, C. & Moretti, M., 2023, I: Toxicology. 499, 153663.
8. **Hypochlorous Acid and Chloramines Induce Specific Fragmentation and Cross-Linking of the G1-IGD-G2 Domains of Recombinant Human Aggrecan, and Inhibit ADAMTS1 Activity**
Wang, Y., Hammer, A., Hoefler, G., Malle, E., Hawkins, Clare Louise, Chuang, Christine & Davies, Michael J., 2023, I: Antioxidants. 12, 2, 25 s., 420.
9. **Identification and quantification of protein nitration sites in human coronary artery smooth muscle cells in the absence and presence of peroxynitrous acid/peroxynitrite**
Xu, Shuqi, Chuang, Christine, Hawkins, Clare Louise, Hägglund, Per Mårten & Davies, Michael J., 2023, I: Redox Biology. 64, 13 s., 102799.
10. **Identification of bile acid-CoA:amino acid N-acyltransferase as the hepatic N-acyl taurine synthase for polyunsaturated fatty acids**
Trammell, Sam, Gamon, Luke Francis, Gotfryd, K., Michler, Katja Thorøe, Alrehaili, B. D., Rix, I., Knop, Filip Krag, Gourdon, Pontus Emanuel, Lee, Y. K., Davies, Michael J., Gillum, M. P. & Grevenkoed, Trisha Jean, 2023, I: Journal of Lipid Research. 64, 9, 9 s., 100361.
11. **Identification of galectin-1 and other cellular targets of alpha,beta-unsaturated carbonyl compounds, including dimethylfumarate, by use of click-chemistry probes**
Sauerland, Max Benjamin, Helm, C., Lorentzen, Lasse Gøbel, Manandhar, Asmita, Ulven, Trond, Gamon, Luke Francis & Davies, Michael J., 2023, I: Redox Biology. 59, 15 s., 102560.
12. **Multiple oxidative post-translational modifications of human glutamine synthetase mediate peroxynitrite-dependent enzyme inactivation and aggregation**
Campolo, N., Mastrogiovanni, M., Mariotti, M., Issoglio, F. M., Estrin, D., Hägglund, Per Mårten, Grune, T., Davies, Michael J., Bartesaghi, S. & Radi, R., 2023, I: Journal of Biological Chemistry. 299, 3, 22 s., 102941.
13. **Myeloperoxidase Alters Lung Cancer Cell Function to Benefit Their Survival**
Cosic-Mujkanovic, N., Valadez-Cosmes, P., Maitz, K., Lueger, A., Mihalic, Z. N., Runtsch, M. C., Kienzl, M., Davies, Michael J., Chuang, Christine, Heinemann, A., Schicho, R., Marsche, G. & Kargl, J., 2023, I: Antioxidants. 12, 8, 17 s., 1587.
14. **Oxidant-modified amylin fibrils and aggregates alter the inflammatory profile of multiple myeloid cell types, but are non-toxic to islet β cells**
Clemen, R., Fuentes Lemus, Eduardo, Bekeschus, S. & Davies, Michael J., 2023, I: Redox Biology. 65, 14 s., 102835.
15. **Oxygen Exposure and Tolerance Shapes the Cell Wall-Associated Lipids of the Skin Commensal Cutibacterium acnes**
Popa, I., Touboul, D., Andersson, T., Fuentes Lemus, Eduardo, Santerre, C., Davies, Michael J. & Lood, R., 2023, I: Microorganisms. 11, 9, 15 s., 2260.
16. **Peroxyl radicals modify 6-phosphogluconolactonase from Escherichia coli via oxidation of specific amino acids and aggregation which inhibits enzyme activity**
Reyes, J. S., Fuentes Lemus, Eduardo, Romero, J., Arenas, F., Fierro, A., Davies, Michael J. & López-Alarcón, C., 2023, I: Free Radical Biology and Medicine. 204, s. 118-127
17. **Recent Advances in the Synthesis and Antioxidant Activity of Low Molecular Mass Organoselenium Molecules**
Anghinoni, J. M., Birman, P. T., da Rocha, M. J., Gomes, C. S., Davies, Michael J., Brüning, C. A., Savegnago, L. & Lenardão, E. J., 2023, I: Molecules. 28, 21, s. 1-45 7349.
18. **The cysteine residue in beta-lactoglobulin reacts with oxidized tyrosine residues in beta-casein to give casein-lactoglobulin dimers**
Doblas, L., Hägglund, Per Mårten, Fuentes Lemus, Eduardo & Davies, Michael J., 2023, I: Archives of Biochemistry and Biophysics. 733, 7 s., 109482.

19. **The enzymes of the oxidative phase of the pentose phosphate pathway as targets of reactive species: consequences for NADPH production**
Fuentes Lemus, Eduardo, Reyes, J. S., Figueroa, J. D., Davies, Michael J. & López-Alarcón, C., 2023, I: *Biochemical Society Transactions*. 51, 6, s. 2173–2187
20. **The inflammatory oxidant peroxynitrous acid modulates the structure and function of the recombinant human V3 isoform of the extracellular matrix proteoglycan versican**
Jørgensen, Sara Marthedal, Lorentzen, Lasse Gøbel, Hammer, A., Hoefler, G., Malle, E., Chuang, Christine & Davies, Michael J., 2023, I: *Redox Biology*. 64, 19 s., 102794.
21. **The structure of model and peptide disulfides markedly affects their reactivity and products formed with singlet oxygen**
Gao, Qing, Grzyb, K., Gamon, Luke Francis, Ogilby, P. R., Pędziniński, T. & Davies, Michael J., 2023, I: *Free Radical Biology and Medicine*. 207, s. 320-329
22. **Treating atopic-dermatitis-like skin lesions in mice with gelatin-alginate films containing 1,4-anhydro-4-seleno-D-talitol (SeTal)**
Voss, G. T., Davies, Michael J., Schiesser, C. H., de Oliveira, R. L., Nornberg, A. B., Soares, V. R., Barcellos, A. M., Luchese, C., Fajardo, A. R. & Wilhelm, E. A., 2023, I: *International Journal of Pharmaceutics*. 642, 13 s., 123174.
23. **Electrophile versus oxidant modification of cysteine residues: Kinetics as a key driver of protein modification**
Sauerland, Max Benjamin & Davies, Michael J., 30 sep. 2022, I: *Archives of Biochemistry and Biophysics*. 727, 10 s., 109344.
24. **Activation and Inhibition of Human Matrix Metalloproteinase-9 (MMP9) by HOCl, Myeloperoxidase and Chloramines**
Wang, Y., Chuang, Christine, Hawkins, Clare Louise & Davies, Michael J., aug. 2022, I: *Antioxidants*. 11, 8, 22 s., 1616.
25. **Oxidative Crosslinking of Peptides and Proteins: Mechanisms of Formation, Detection, Characterization and Quantification**
Fuentes Lemus, Eduardo, Hägglund, Per Mårten, López-Alarcón, C. & Davies, Michael J., 1 jan. 2022, I: *Molecules*. 27, 1, s. 1-31 15.
26. **Adduction reactions of alpha,beta-unsaturated aldehydes to proteins**
Davies, Michael J., 2022, I: *Toxicology Letters*. 368, Suppl, s. S62-S62 1 s.
27. **Anastellin impacts on the processing of extracellular matrix fibronectin and stimulates release of cytokines from coronary artery smooth muscle cells**
He, Jianfei, Steffen, Jonas Hyld, Thulstrup, Peter Waaben, Pedersen, J. N., Sauerland, Max Benjamin, Otzen, D. E., Hawkins, Clare Louise, Gourdon, Pontus Emanuel, Davies, Michael J. & Hägglund, Per Mårten, 2022, I: *Scientific Reports*. 12, 1, 15 s., 22051.
28. **Aryl Fluorosulfate Based Inhibitors That Covalently Target the SIRT5 Lysine Deacetylase****
Bolding, J. E., Martín-Gago, P., Rajabi, N., Gamon, Luke Francis, Hansen, T. N., Bartling, Christian Reinhard Otto, Strømgaard, Kristian, Davies, Michael J. & Olsen, Christian Adam, 2022, I: *Angewandte Chemie - International Edition*. 61, 47, 11 s., e202204565.
29. **Crowding modulates the glycation of plasma proteins: *In vitro* analysis of structural modifications to albumin and transferrin and identification of sites of modification**
Fuentes Lemus, Eduardo, Reyes, J. S., López-Alarcón, C. & Davies, Michael J., 2022, I: *Free Radical Biology and Medicine*. 193, s. 551-566 16 s.
30. **Defining roles of specific reactive oxygen species (ROS) in cell biology and physiology**
Sies, H., Belousov, V. V., Chandel, N. S., Davies, Michael J., Jones, D. P., Mann, G. E., Murphy, M. P., Yamamoto, M. & Winterbourn, C., 2022, I: *Nature Reviews Molecular Cell Biology*. 23, s. 499–515
31. **Guidelines for measuring reactive oxygen species and oxidative damage in cells and in vivo**
Murphy, M. P., Bayir, H., Belousov, V., Chang, C. J., Davies, K. J. A., Davies, M. J., Dick, T. P., Finkel, T., Forman, H. J., Janssen-Heininger, Y., Gems, D., Kagan, V. E., Kalyanaraman, B., Larsson, N. G., Milne, G. L., Nyström, T., Poulsen, H. E., Radi, R., Van Remmen, H., Schumacker, P. T. & 5 flere, Thornalley, P. J., Toyokuni, S., Winterbourn, C. C., Yin, H. & Halliwell, B., 2022, I: *Nature Metabolism*. 4, 6, s. 651-662
32. **Implications of differential peroxy radical-induced inactivation of glucose 6-phosphate dehydrogenase and 6-phosphogluconate dehydrogenase for the pentose phosphate pathway**
Reyes, J. S., Fuentes Lemus, Eduardo, Figueroa, J. D., Rojas, J., Fierro, A., Arenas, F., Hägglund, Per Mårten, Davies, Michael J. & López-Alarcón, C., 2022, I: *Scientific Reports*. 12, 1, 19 s., 21191.
33. **In memoriam: Emeritus Professor Robin L. Willson**
Davies, Michael J., Davies, K. J. A., Halliwell, B., Jackson, M. J., Mann, G. E., Poli, G., Radi, R., Riley, P. A., Sies, H., Ward, J. F., Wardman, P. & Willson, J., 2022, I: *Free Radical Research*. 56, 7-8, s. 572-576 5 s.
34. **Influence of plasma halide, pseudohalide and nitrite ions on myeloperoxidase-mediated protein and extracellular matrix damage**
Xu, Shuqi, Chuang, Christine, Malle, E., Gamon, Luke Francis, Hawkins, Clare Louise & Davies, Michael J., 2022, I: *Free Radical Biology and Medicine*. 188, s. 162-174

35. **Loss of Nuclear Envelope Integrity and Increased Oxidant Production Cause DNA Damage in Adult Hearts Deficient in PKP2: A Molecular Substrate of ARVC**
Perez-Hernandez, M., van Opbergen, C. J. M., Bagwan, N., Vissing, C. R., Marron-Linares, G. M., Zhang, M., Vega, E. T., Sorrentino, A., Drici, L., Sulek, K., Zhai, R., Hansen, F. B., Christensen, A. H., Boesgaard, S., Gustafsson, F., Rossing, K., Small, E. M., Davies, M. J., Rothenberg, E., Sato, P. Y. & 6 flere, Cerrone, M., Jensen, Thomas Hartvig Lindkær, Qvortrup, Klaus, Bundgård, Henning, Delmar, M. & Lundby, Alicia, 2022, I: *Circulation*. 146, 11, s. 851-867
36. **Oxidant-mediated modification and cross-linking of beta-2-microglobulin**
Jiang, S., Fuentes Lemus, Eduardo & Davies, Michael J., 2022, I: *Free Radical Biology and Medicine*. 187, s. 59-71
37. **Peroxynitrous acid-modified extracellular matrix alters gene and protein expression in human coronary artery smooth muscle cells and induces a pro-inflammatory phenotype**
Jørgensen, Sara Marthedal, Lorentzen, Lasse Gøbel, Chuang, Christine & Davies, Michael J., 2022, I: *Free Radical Biology and Medicine*. 186, s. 43-52
38. **Proteomic Characterization of Atherosclerotic Lesions in Situ Using Percutaneous Coronary Intervention Angioplasty Balloons-Brief Report**
Lorentzen, Lasse Gøbel, Hansen, G. M., Iversen, Kasper, Bundgård, Henning & Davies, Michael J., 2022, I: *Arteriosclerosis, Thrombosis, and Vascular Biology*. 42, 7, s. 857-864
39. **Reaction of cysteine residues with oxidized tyrosine residues mediates cross-linking of photo-oxidized casein proteins**
Rossi, C., Fuentes Lemus, Eduardo & Davies, Michael J., 2022, I: *Food Chemistry*. 385, 7 s., 132667.
40. **Role of amino acid oxidation and protein unfolding in peroxy radical and peroxy nitrite-induced inactivation of glucose-6-phosphate dehydrogenase from *Leuconostoc mesenteroides***
Figueroa, J. D., Fuentes Lemus, Eduardo, Reyes, J. S., Loaiza, M., Aliaga, M. E., Fierro, A., Leinisch, F., Hägglund, Per Mårten, Davies, Michael J. & López-Alarcón, C., 2022, I: *Free Radical Biology and Medicine*. 190, s. 292-306
41. **Structural Basis for Dityrosine-Mediated Inhibition of alpha-Synuclein Fibrillization**
Sahin, C., Osterlund, E. C., Osterlund, N., Costeira-Paulo, J., Pedersen, J. N., Christiansen, G., Nielsen, J., Grønnemose, A. L., Amstrup, S. K., Tiwari, M. K., Rao, R. S. P., Bjerrum, Morten Jannik, Ilag, L. L., Davies, Michael J., Marklund, E. G., Pedersen, J. S., Landreh, M., Moller, I. M., Jørgensen, T. J. D. & Otzen, D. E., 2022, I: *Journal of the American Chemical Society*. 144, 27, s. 11949-11954 6 s.
42. **Synthesis and cellular evaluation of click-chemistry probes to study the biological effects of alpha, beta-unsaturated carbonyls**
Morozzi, C., Sauerland, M., Gamon, Luke Francis, Manandhar, Asmita, Ulven, Trond & Davies, Michael J., 2022, I: *Redox Biology*. 52, 8 s., 102299.
43. **The Use of Membrane Filtration to Increase Native Whey Proteins in Infant Formula**
Chen, Y., Callanan, M., Shanahan, C., Tobin, J., Gamon, Luke Francis, Davies, Michael J., Giblin, L. & Brodkorb, A., sep. 2021, I: *Dairy*. 2, 4, s. 515-529
44. **Modulation of hypochlorous acid (HOCl) induced damage to vascular smooth muscle cells by thiocyanate and selenium analogues**
Flouda, K., Gammelgaard, Bente, Davies, Michael J. & Hawkins, Clare Louise, maj 2021, I: *Redox Biology*. 41, 101873.
45. **Reactivity of Peroxidase-Derived Oxidants with Proteins, Glycoproteins and Proteoglycans**
Davies, Michael J., 1 jan. 2021, *Mammalian Heme Peroxidases: Diverse Roles in Health and Disease*. CRC Press, s. 53-77
46. **"What, where and how much? Key challenges in protein oxidation"**
Davies, Michael J., 2021, I: *Free Radical Biology and Medicine*. 165, Suppl. 1, s. 15-15 Suppl. 13-1.
47. **Anthocyanin complex niosome gel accelerates oral wound healing: In vitro and clinical studies**
Damrongrungruang, T., Paphangkorakit, J., Limsithichaikoon, S., Khampaenjiraroach, B., Davies, Michael J., Sungthong, B. & Priprem, A., 2021, I: *Nanomedicine: Nanotechnology, Biology, and Medicine*. 37, 14 s., 102423.
48. **Chlorination and nitration of extracellular matrix by inflammatory myeloperoxidase-derived oxidants in the presence of nitrite**
Xu, Shuqi, Chuang, Christine, Hawkins, Clare Louise & Davies, Michael J., 2021, I: *Free Radical Biology and Medicine*. 177, Suppl. 1, s. 566 1 s.
49. **Cross-linking and modification of fibronectin by peroxy nitrous acid: Mapping and quantification of damage provides a new model for domain interactions**
Mariotti, M., Rogowska-Wrzesinska, A., Hägglund, Per Mårten & Davies, Michael J., 2021, I: *Journal of Biological Chemistry*. 296, 100360.
50. **Crosslinking of human plasma C-reactive protein to human serum albumin via disulfide bond oxidation**
Jiang, S., Hägglund, Per Mårten, Carroll, L., Rasmussen, L. M. & Davies, Michael J., 2021, I: *Redox Biology*. 41, 17 s., 101925.

51. **Dynein regulates Kv7.4 channel trafficking from the cell membrane**
van der Horst, Jennifer, Rognant, Salomé, Abbott, G. W., Ozhathil, Lijo Cherian, Hägglund, Per Mårten, Barrese, V., Chuang, Christine, Jespersen, Thomas, Davies, Michael J., Greenwood, I. A., Gourdon, Pontus Emanuel, Aalkjær, Christian & Jepps, Thomas Andrew Qvistgaard, 2021, I: Journal of General Physiology. 153, 3, 19 s., e202012760.
52. **Effect of macromolecular crowding on protein oxidation: Consequences on the rate, extent and oxidation pathways**
Fuentes Lemus, Eduardo, Reyes, J. S., Gamon, Luke Francis, López-Alarcón, C. & Davies, Michael J., 2021, I: Redox Biology. 48, 15 s., 102202.
53. **Enzymatic cross-linking of collagens in organ fibrosis - resolution and assessment**
Pehrsson, M., Mortensen, J. H., Manon-Jensen, T., Bay-Jensen, A., Karsdal, M. A. & Davies, Michael J., 2021, I: Expert Review of Molecular Diagnostics. 21, 10, s. 1049-1064
54. **Formation of protein cross-links by singlet oxygen-mediated disulfide oxidation**
Jiang, S., Carroll, L., Mariotti, M., Hägglund, Per Mårten & Davies, Michael J., 2021, I: Redox Biology. 41, 16 s., 101874.
55. **High concentrations of casein proteins exacerbate radical chain reactions and increase the extent of oxidative damage**
Fuentes Lemus, Eduardo, Jiang, S., Hägglund, Per Mårten & Davies, Michael J., 2021, I: Food Hydrocolloids. 121, 16 s., 107060.
56. **Hypoxia of human endothelial artery wall cells affects arterial extracellular matrix remodelling and contributes to atherosclerosis development**
Huang, S., Chuang, Christine & Davies, Michael J., 2021, I: Free Radical Biology and Medicine. 177, Suppl. 1, s. 563 1 s.
57. **Kinetic assessment of Michael addition reactions of alpha, beta-unsaturated carbonyl compounds to amino acid and protein thiols**
Sauerland, M., Mertes, R., Morozzi, C., Egger, A. L., Gamon, Luke Francis & Davies, Michael J., 2021, I: Free Radical Biology and Medicine. 169, s. 1-11 569.
58. **Kinetic data for the reactions of alpha,beta-unsaturated aldehydes shed light on their molecular targets and biological effects**
Sauerland, M., Gamon, Luke Francis & Davies, Michael J., 2021, I: Free Radical Biology and Medicine. 177, Suppl. 1, s. 596 1 s.
59. **M. jannaschii FtsZ, a key protein in bacterial cell division, is inactivated by peroxy radical-mediated methionine oxidation**
Reyes, J. S., Fuentes Lemus, Eduardo, Aspée, A., Davies, Michael J., Monasterio, O. & López-Alarcón, C., 2021, I: Free Radical Biology and Medicine. 166, s. 53-66
60. **Myeloperoxidase: Mechanisms, reactions and inhibition as a therapeutic strategy in inflammatory diseases**
Davies, Michael J., 2021, I: Pharmacology and Therapeutics. 218, 23 s., 107685.
61. **Oral pre-treatment with thiocyanate (SCN-) protects against myocardial ischaemia-reperfusion injury in rats**
Hall, L., Guo, C., Tandy, S., Broadhouse, K., Dona, A. C., Malle, E., Bartels, Emil Daniel, Christoffersen, Christina, Grieve, S. M., Figtree, G., Hawkins, Clare Louise & Davies, Michael J., 2021, I: Scientific Reports. 11, 1, 18 s., 12712.
62. **Oxidation of lysozyme induced by peroxy radicals involves amino acid modifications, loss of activity, and formation of specific crosslinks**
Fuentes Lemus, Eduardo, Mariotti, M., Hägglund, Per Mårten, Leinisch, F., Fierro, A., Silva, E., Davies, Michael J. & Lopez-Alarcon, C., 2021, I: Free Radical Biology and Medicine. 167, s. 258-270
63. **Oxidation of protein disulfide bonds by singlet oxygen gives rise to glutathionylated proteins**
Jiang, S., Carroll, L., Rasmussen, L. M. & Davies, Michael J., 2021, I: Redox Biology. 38, 16 s., 101822.
64. **Oxidative damage on proteins is enhanced in crowded environments**
Fuentes Lemus, Eduardo, Gamon, Luke Francis, Lopez-Alarcon, C. & Davies, Michael J., 2021, I: Free Radical Biology and Medicine. 177, Suppl. 1, s. S31-S32
65. **Phenotypic changes to vascular smooth muscle cells induced by extracellular matrix modification**
Jørgensen, Sara Marthedal, Chuang, Christine & Davies, Michael J., 2021, I: Free Radical Biology & Medicine. 165, Suppl. 1, s. 36-37 NC38.
66. **Phenotypic changes to vascular smooth muscle cells induced by oxidant-modified extracellular matrix**
Jørgensen, Sara Marthedal, Chuang, Christine & Davies, Michael J., 2021, I: Free Radical Biology and Medicine. 165, 1 s., NC38.
67. **Processed foods drive intestinal barrier permeability and microvascular diseases**
Snelson, M., Tan, S. M., Clarke, R. E., De Pasquale, C., Thallas-Bonke, V., Nguyen, T. V., Penfold, S. A., Harcourt, B. E., Sourris, K. C., Lindblom, R. S., Ziemann, M., Steer, D., El-Osta, A., Davies, M. J., Donnellan, L., Deo, P., Kellow, N. J., Cooper, M. E., Woodruff, T. M., Mackay, C. R. & 2 flere, Forbes, J. M. & Coughlan, M. T., 2021, I: Science Advances. 7, 14, eabe4841.

68. **Role of myeloperoxidase and oxidant formation in the extracellular environment in inflammation-induced tissue damage**
Hawkins, Clare Louise & Davies, Michael J., 2021, I: Free Radical Biology and Medicine. 172, s. 633-651
69. **Role of myeloperoxidase-derived oxidants in the induction of vascular smooth muscle cell damage**
Flouda, K., Mercer, J., Davies, Michael J. & Hawkins, Clare Louise, 2021, I: Free Radical Biology & Medicine. 166, s. 165-177
70. **Suppressive effect of 1,4-anhydro-4-seleno-D-talitol (SeTal) on atopic dermatitis-like skin lesions in mice through regulation of inflammatory mediators**
Voss, G. T., de Oliveira, R. L., Davies, Michael J., Domingues, W. B., Campos, V. F., Soares, M. P., Luchese, C., Schiesser, C. H. & Wilhelm, E. A., 2021, I: Journal of Trace Elements in Medicine and Biology. 67, 10 s., 126795.
71. **The role of RNA oxidation in islet dysfunction in Type 2 diabetes**
Sileikaite, I., Davies, Michael J., Mandrup-Poulsen, Thomas & Hawkins, Clare Louise, 2021, I: Free Radical Biology and Medicine. 177, Suppl. 1, s. S37-S38
72. **Tryptophan and Cysteine residues mediate chain reactions and propagation of oxidative damage in concentrated casein solutions**
Fuentes Lemus, Eduardo, Jiang, S., Hägglund, Per Mårten & Davies, Michael J., 2021, I: Free Radical Biology and Medicine. 177, Suppl. 1, s. 562 1 s.
73. **Oxidant-induced glutathionylation at protein disulfide bonds**
Carroll, L., Jiang, S., Irnstorfer, J., Beneyto, S., Ignasiak, M. T., Rasmussen, L. M., Rogowska-Wrzesinska, A. & Davies, Michael J., 20 nov. 2020, I: Free Radical Biology and Medicine. 160, s. 513-525 13 s.
74. **Absolute quantitative analysis of intact and oxidized amino acids by LC-MS without prior derivatization**
Gamon, Luke Francis, Guo, C., He, Jianfei, Hägglund, Per Mårten, Hawkins, Clare Louise & Davies, Michael J., sep. 2020, I: Redox Biology. 36, 9 s., 101586.
75. **Role of thiocyanate in the modulation of myeloperoxidase-derived oxidant induced damage to macrophages**
Guo, C., Davies, Michael J. & Hawkins, Clare Louise, sep. 2020, I: Redox Biology. 36, 14 s., 101666.
76. **The leucine-rich repeat domain of human peroxidase 1 promotes binding to laminin in basement membranes**
Sevcnikar, B., Schaffner, I., Chuang, Christine, Gamon, Luke Francis, Paumann-Page, M., Hofbauer, S., Davies, Michael J., Furtmüller, P. G. & Obinger, C., 15 aug. 2020, I: Archives of Biochemistry and Biophysics. 689, 7 s., 108443.
77. **Modification of Cys residues in human thioredoxin-1 by p-benzoquinone causes inhibition of its catalytic activity and activation of the ASK1/p38-MAPK signalling pathway**
Shu, N., Hägglund, Per Mårten, Cai, H., Hawkins, Clare Louise & Davies, Michael J., jan. 2020, I: Redox Biology. 29, UNSP 101400.
78. **Azocompounds as generators of defined radical species: Contributions and challenges for free radical research**
López-Alarcón, C., Fuentes-Lemus, E., Figueroa, J. D., Dorta, E., Schöneich, C. & Davies, Michael J., 2020, I: Free Radical Biology and Medicine. 160, s. 78-91
79. **Binding of myeloperoxidase to the extracellular matrix of smooth muscle cells and subsequent matrix modification**
Cai, H., Chuang, Christine, Hawkins, Clare Louise & Davies, Michael J., 2020, I: Scientific Reports. 13 s., 666.
80. **Characterization of disulfide (cystine) oxidation by HOCl in a model peptide: Evidence for oxygen addition, disulfide bond cleavage and adduct formation with thiols**
Karimi, M., Crossett, B., Cordwell, S. J., Pattison, David & Davies, Michael J., 2020, I: Free Radical Biology and Medicine. 154, s. 62-74 13 s.
81. **Dermal fibroblasts have different extracellular matrix profiles induced by TGF-beta, PDGF and IL-6 in a model for skin fibrosis**
Juhl, P., Bondesen, S., Hawkins, Clare Louise, Karsdal, M. A., Bay-Jensen, A., Davies, Michael J. & Siebuhr, A. S., 2020, I: Scientific Reports. 10, 1, 10 s., 17300.
82. **Effects of a novel selenium substituted-sugar (1,4-anhydro-4-seleno-D-talitol, SeTal) on human coronary artery cell lines and mouse aortic rings**
Zacharias, T., Flouda, K., Jepps, Thomas Andrew Qvistgaard, Gammelgaard, Bente, Schiesser, C. H. & Davies, Michael J., 2020, I: Biochemical Pharmacology. 173, 14 s., 113631.
83. **Endothelial nitric oxide synthase plays a protective role in endothelial cells and cardiomyocytes against myocardial infarction**
Gentile, C., Kesteven, S., Wu, J., Davies, Michael J., Bursill, C., Feneley, M. & Figtree, G., 2020, I: Journal of Molecular and Cellular Cardiology. 140, s. 31-31
84. **Formation and characterization of crosslinks, including Tyr-Trp species, on one electron oxidation of free Tyr and Trp residues by carbonate radical anion**
Figueroa, J. D., Zárate, A. M., Fuentes Lemus, Eduardo, Davies, Michael J. & López-Alarcón, C., 2020, I: RSC Advances. 10, 43, s. 25786-25800 15 s.

85. **Generation of Aggregates of α -Lactalbumin by UV-B Light Exposure**
Zhao, Z., Engholm-Keller, Kasper, Poojary, Mahesha Manjunatha, Boelt, S. G., Rogowska-Wrzesinska, A., Skibsted, Leif Horsfelt, Davies, Michael J. & Lund, Marianne N., 2020, I: Journal of Agricultural and Food Chemistry. 68, 24, s. 6701-6714 14 s.
86. **Inhibition and crosslinking of the selenoprotein thioredoxin reductase-1 by p-benzoquinone**
Shu, N., Cheng, Q., Arner, E. S. J. & Davies, Michael J., 2020, I: Redox Biology. 28, 9 s., 101335 .
87. **Interaction kinetics of selenium -containing compounds with oxidants**
Carroll, L., Gardiner, K., Ignasiak, M., Holmehave, J., Shimodaira, S., Breitenbach, T., Iwaoka, M., Ogilby, P. R., Pattison, David & Davies, Michael J., 2020, I: Free Radical Biology and Medicine. 155, s. 58-68
88. **Iodide modulates protein damage induced by the inflammation-associated heme enzyme myeloperoxidase**
Gamon, Luke Francis, Dieterich, S., Ignasiak, M. T., Schrameyer, V. & Davies, Michael J., 2020, I: Redox Biology. 28, 12 s., 101331.
89. **Myeloperoxidase Modulates Hydrogen Peroxide Mediated Cellular Damage in Murine Macrophages**
Guo, C., Sileikaite, I., Davies, Michael J. & Hawkins, Clare Louise, 2020, I: Antioxidants. 9, 12, 14 s., 1255.
90. **Myeloperoxidase-derived damage to human plasma fibronectin: Modulation by protein binding and thiocyanate ions (SCN⁻)**
Vanichkitrungruang, S., Chuang, Christine, Hawkins, Clare Louise & Davies, Michael J., 2020, I: Redox Biology. 36, 13 s., 101641.
91. **Peroxyntous acid (ONOOH) modifies the structure of anastellin and influences its capacity to polymerize fibronectin**
He, Jianfei, Becares, E. R., Thulstrup, Peter Waaben, Gamon, Luke Francis, Pedersen, J. N., Otzen, D., Gourdon, Pontus Emanuel, Davies, Michael J. & Hägglund, Per Mårten, 2020, I: Redox Biology. 36, 11 s., 101631.
92. **Photo -oxidation of lysozyme triggered by riboflavin is O 2-dependent, occurs via mixed type 1 and type 2 pathways, and results in inactivation, site-specific damage and intra- and inter -molecular crosslinks**
Fuentes-Lemus, E., Mariotti, M., Reyes, J., Leinisch, F., Hägglund, Per Mårten, Silva, E., Davies, Michael J. & Lopez-Alarcon, C., 2020, I: Free Radical Biology and Medicine. 152, s. 61-73
93. **Photobiocatalysis by a Lytic Polysaccharide Monooxygenase Using Intermittent Illumination**
Blossom, B. M., Russo, D. A., Singh, R. K., Van Oort, B., Keller, M. B., Simonsen, Tor Ivan, Perzon, A., Gamon, Luke Francis, Davies, Michael J., Cannella, D., Croce, R., Jensen, Poul Erik, Bjerrum, Morten Jannik & Felby, C., 2020, I: ACS Sustainable Chemistry & Engineering. 8, 25, s. 9301-9310 10 s.
94. **The Role of Myeloperoxidase in Biomolecule Modification, Chronic Inflammation, and Disease**
Davies, Michael J. & Hawkins, Clare Louise, 2020, I: Antioxidants & Redox Signaling. 32, 13, s. 957-981
95. **UV oxidation of cyclic AMP receptor protein, a global bacterial gene regulator, decreases DNA binding and cleaves DNA at specific sites**
Leinisch, F., Mariotti, M., Andersen, S. H., Lindemose, Søren, Hägglund, Per Mårten, Møllegaard, Niels Erik & Davies, Michael J., 2020, I: Scientific Reports. 10, 1, 11 s., 3106.
96. **Unexpected light emission from tyrosyl radicals as a probe for tyrosine oxidation**
Ignasiak, M., Frackowiak, K., Pedzinski, T., Davies, Michael J. & Marciniak, B., 2020, I: Free Radical Biology and Medicine. 153, s. 12-16 5 s.
97. **Iodide modulates myeloperoxidase-derived oxidative damage to extracellular matrix proteins: [Meeting Abstract]**
Gamon, Luke Francis, Ignasiak, M. T., Dieterich, S. D., Sauerland, Max Benjamin, Goll, S. T. & Davies, Michael J., 1 aug. 2019, I: Free Radical Biology and Medicine. 139, S1, s. S8-S8 2.
98. **Modification of Cys residues in thioredoxin by p-benzoquinone causes inhibition of its catalytic activity and activation of ASK1/p38-MAPK signalling pathway: [Meeting Abstract]**
Shu, N., Hägglund, Per Mårten & Davies, Michael J., 1 aug. 2019, I: Free Radical Biology and Medicine. 139, S1, s. S9-S9 8.
99. **Modification of selenocysteine residues in thioredoxin reductase and glutathione peroxidase by p-benzoquinone affects protein structure and function: [Meeting Abstract]**
Shu, N. & Davies, Michael J., 1 aug. 2019, I: Free Radical Biology and Medicine. 139, S1, s. S49-S49 168.
100. **1,4-Anhydro-4-seleno-d-talitol (SeTal): a remarkable selenium-containing therapeutic molecule**
Davies, Michael J. & Schiesser, C. H., 2019, I: New Journal of Chemistry. 43, 25, s. 9759-9765
101. **3-Hydroxykynurenine bound to eye lens proteins induces oxidative modifications in crystalline proteins through a type I photosensitizing mechanism**
Avila, F., Ravello, N., Zanoocco, A. L., Gamon, Luke Francis, Davies, Michael J. & Silva, E., 2019, I: Free Radical Biology and Medicine. 141, s. 103-114
102. **Absolute quantitative analysis of intact and oxidised amino acids by LCMS without prior derivatization: [Meeting Abstract]**
Gamon, Luke Francis & Davies, Michael J., 2019, I: Free Radical Biology and Medicine. 139, S1, s. S25-S25 70.
103. **Analysis of protein chlorination by mass spectrometry**
Nybo, T., Davies, Michael J. & Rogowska-Wrzesinska, A., 2019, I: Redox Biology. 26, 10 s., UNSP 101236.

104. **Binding of rose bengal to lysozyme modulates photooxidation and cross-linking reactions involving tyrosine and tryptophan**
Fuentes-Lemus, E., Mariotti, M., Hägglund, Per Mårten, Leinisch, F., Fierro, A., Silva, E., Lopez-Alarcon, C. & Davies, Michael J., 2019, I: Free Radical Biology and Medicine. 143, s. 375-386
105. **Carnosine and Carninine Derivatives Rapidly React with Hypochlorous Acid to Form Chloramines and Dichloramines**
Carroll, L., Karton, A., Radom, L., Davies, Michael J. & Pattison, D. I., 2019, I: Chemical Research in Toxicology. 32, 3, s. 513-525 13 s.
106. **Characterisation and quantification of protein oxidative modifications and amino acid racemisation in powdered infant milk formula**
Chen, Z., Leinisch, F., Greco, I., Zhang, W., Shu, N., Chuang, Christine, Lund, Marianne N. & Davies, Michael J., 2019, I: Free Radical Research. 53, 1, s. 68-81
107. **Chlorination and oxidation of the extracellular matrix protein laminin and basement membrane extracts by hypochlorous acid and myeloperoxidase**
Nybo, T., Dieterich, S., Gamon, Luke Francis, Chuang, Christine, Hammer, A., Hoefler, G., Malle, E., Rogowska-Wrzesinska, A. & Davies, Michael J., 2019, I: Redox Biology. 20, s. 496-513
108. **Copper ion / H₂O₂ oxidation of Cu/Zn-Superoxide dismutase: Implications for enzymatic activity and antioxidant action**
Tiwari, M. K., Hägglund, Per Mårten, Møller, I. M., Davies, Michael J. & Bjerrum, Morten Jannik, 2019, I: Redox Biology. 26, 15 s., 101262.
109. **Detection, identification, and quantification of oxidative protein modifications**
Hawkins, Clare Louise & Davies, Michael J., 2019, I: Journal of Biological Chemistry. 294, 51, s. 19683-19708
110. **Effect of Methylglyoxal-Induced Glycation on the Composition and Structure of β -Lactoglobulin and α -Lactalbumin**
Krämer, A. C. & Davies, Michael J., 2019, I: Journal of Agricultural and Food Chemistry. 67, 2, s. 699-710 12 s.
111. **Effects of Protein-Derived Amino Acid Modification Products Present in Infant Formula on Metabolic Function, Oxidative Stress, and Intestinal Permeability in Cell Models**
Chen, Z., Kondrashina, A., Greco, I., Gamon, Luke Francis, Lund, Marianne N., Giblin, L. & Davies, Michael J., 2019, I: Journal of Agricultural and Food Chemistry. 67, 19, s. 5634-5646
112. **FIBROSIS IS NOT JUST FIBROSIS - TGF-B AND PDGF INDUCE DIFFERENT EXTRACELLULAR MATRIX PROFILE: A MODEL OF DERMAL FIBROBLASTS WHICH MIMICS SYSTEMIC SCLEROSIS POTENTIAL FOR EVALUATION OF ANTI-FIBROTIC COMPOUNDS WITH TRANSLATIONAL BIOMARKERS [Meeting Abstract]**
Juhl, P., Bomdesen, S., Bay-Jensen, A., Karsdal, M., Davies, Michael J. & Siebuhr, A. S., 2019, I: Annals of the Rheumatic Diseases. 78, S2, s. 448-449 THU0335.
113. **Hypochlorous acid-modified extracellular matrix contributes to the behavioral switching of human coronary artery smooth muscle cells**
Cai, H., Chuang, Christine, Vanichkitrungruang, S., Hawkins, Clare Louise & Davies, Michael J., 2019, I: Free Radical Biology and Medicine. 134, s. 526-536
114. **Identification and quantification of sites of nitration and oxidation in the key matrix protein laminin and the structural consequences of these modifications**
Lorentzen, Lasse Gøbel, Chuang, Christine, Rogowska-Wrzesinska, A. & Davies, Michael J., 2019, I: Redox Biology. 24, UNSP 101226.
115. **Impact of myeloperoxidase-derived oxidants on vascular smooth muscle cell damage and death in atherosclerosis [Meeting Abstract]**
Flouda, K., Davies, Michael J. & Hawkins, C., 2019, I: Free Radical Biology and Medicine. 139, S1, s. S23-S24 64.
116. **Iodide anions show protective and damaging effects in oxidation of amino acids, peptides and proteins: [Meeting Abstract]**
Ignasiak-Kciuk, M., Shashikadze, B., Frackowiak, K., Gamon, Luke Francis, Davies, Michael J. & Marciniak, B., 2019, I: Free Radical Biology and Medicine. 139, S1, s. S30-S30 89.
117. **Oxidation of human plasma fibronectin by inflammatory oxidants perturbs endothelial cell function**
Vanichkitrungruang, S., Chuang, Christine, Hawkins, Clare Louise, Hammer, A., Hoefler, G., Malle, E. & Davies, Michael J., 2019, I: Free Radical Biology and Medicine. 136, s. 118-134
118. **Peroxyl radicals induce oxidative crosslinking of superoxide dismutase 1 through self-reaction of protein radicals [Meeting Abstract]**
Escobar, E., Fuentes-Lemus, E., Figueroa, J. D., Fuentealba, D., Denicola, A., Alvarez, B., Leinisch, F., Davies, Michael J. & Lopez-Alarcon, C., 2019, I: Free Radical Biology and Medicine. 139, S1, s. S21-S21 53.
119. **Personalized nutrition in ageing society: redox control of major-age related diseases through the NutRedOx Network (COST Action CA16112)**
Tur, J. A., Jacob, C., Chaimbault, P., Tadayyon, M., Richling, E., Hermans, N., dos Santos, C. N., Diederich, M., Giblin, L., Elhabiri, M., Gaucher, C., Andreoletti, P., Fernandes, A., Davies, Michael J., Bartoszek, A. & Cherkaoui-Malki, M., 2019, I: Free Radical Research. 53, S1, s. 1163-1170

120. **Quantification of carbonate radical formation by the bicarbonate-dependent peroxidase activity of superoxide dismutase 1 using pyrogallol red bleaching**
David Figueroa, J., Fuentes-Lemus, E., Dorta, E., Melin, V., Cortes-Rios, J., Faundez, M., Contreras, D., Denicola, A., Alvarez, B., Davies, Michael J. & Lopez-Alarcon, C., 2019, I: *Redox Biology*. 24, 9 s., 101207.
121. **Reaction of quinones with proteins: Kinetics of adduct formation, effects on enzymatic activity and protein structure, and potential reversibility of modifications**
Shu, N., Lorentzen, Lasse Gøbel & Davies, Michael J., 2019, I: *Free Radical Biology and Medicine*. 137, s. 169-180
122. **Riboflavin-induced Type 1 photo-oxidation of tryptophan using a high intensity 365 nm light emitting diode**
Silva, E., Barrias, P., Fuentes-Lemus, E., Tirapegui, C., Aspee, A., Carroll, L., Davies, Michael J. & Lopez-Alarcon, C., 2019, I: *Free Radical Biology and Medicine*. 131, s. 133-143
123. **Tempus fugit horizontal ellipsis**
Davies, Michael J., 2019, I: *Free Radical Research*. 53, 1, s. 1-1
124. **Whey proteins: targets of oxidation, or mediators of redox protection**
Giblin, L., Yalcin, A. S., Bicim, G., Kramer, A. C., Chen, Z., Callanan, M. J., Arranz, E. & Davies, Michael J., 2019, I: *Free Radical Research*. 53, S1, s. 1136–1152 17 s.
125. **Chlorination and oxidation of human plasma fibronectin by myeloperoxidase-derived oxidants, and its consequences for smooth muscle cell function**
Nybo, T., Cai, H., Chuang, Christine, Gamon, Luke Francis, Rogowska-Wrzesinska, A. & Davies, Michael J., okt. 2018, I: *Redox Biology*. 19, s. 388-400
126. **Structural and functional changes in RNase A originating from tyrosine and histidine cross-linking and oxidation induced by singlet oxygen and peroxy radicals**
Leinisch, F., Mariotti, M., Hägglund, Per Mårten & Davies, Michael J., okt. 2018, I: *Free Radical Biology and Medicine*. 126, s. 73-86
127. **Aggregation of alpha- and beta- caseins induced by peroxy radicals involves secondary reactions of carbonyl compounds as well as di-tyrosine and di-tryptophan formation**
Fuentes-Lemus, E., Silva, E., Barrias, P., Aspee, A., Escobar, E., Lorentzen, Lasse Gøbel, Carroll, L., Leinisch, F., Davies, Michael J. & Lopez-Alarcon, C., 20 aug. 2018, I: *Free Radical Biology and Medicine*. 124, s. 176-188
128. **alpha- and beta-casein aggregation induced by riboflavin-sensitized photo-oxidation occurs via di-tyrosine cross-links and is oxygen concentration dependent**
Fuentes-Lemus, E., Silva, E., Leinisch, F., Dorta, E., Lorentzen, Lasse Gøbel, Davies, Michael J. & Lopez-Alarcon, C., 1 aug. 2018, I: *Food Chemistry*. 256, s. 119-128
129. **Effects of a novel selenosugar on primary human vascular cells, mouse aortic rings and atherosclerosis in apoE-/- mice: [Meeting Abstract]**
Zacharias, T., Flouda, K., Jepps, T., Christoffersen, Christina, Pedersen, T., Gammelgaard, Bente, Schiesser, C. & Davies, Michael J., 20 maj 2018, I: *Free Radical Biology & Medicine*. 120, S1, s. S68-S68 P-79.
130. **Superoxide radicals react with peptide-derived tryptophan radicals with very high rate constants to give hydroperoxides as major products**
Carroll, L., Pattison, D. I., Davies, J. B., Anderson, R. F., Lopez-Alarcon, C. & Davies, Michael J., apr. 2018, I: *Free Radical Biology and Medicine*. 118, s. 126-136
131. **Synthesis and antioxidant capacity of novel stable 5-tellurofuranose derivatives**
Borges, E. L., Ignasiak, M. T., Velichenko, Y., Perin, G., Hutton, C. A., Davies, Michael J. & Schiesser, C. H., 25 mar. 2018, I: *Chemical Communications*. 54, 24, s. 2990-2993
132. **Exposure of tropoelastin to peroxynitrous acid gives high yields of nitrated tyrosine residues, di-tyrosine cross-links and altered protein structure and function**
Degendorfer, G., Chuang, Christine, Mariotti, M., Hammer, A., Hoeffler, G., Hägglund, Per Mårten, Malle, E., Wise, S. G. & Davies, Michael J., 1 feb. 2018, I: *Free Radical Biology & Medicine*. 115, S1, s. 202-214 13 s.
133. **Analysis of extracellular matrix protein chlorination and oxidation by mass spectrometry: [Meeting Abstract]**
Nybo, T., Davies, Michael J. & Rogowska-Wrzesinska, A., 2018, I: *Free Radical Biology and Medicine*. 120, S1, s. S56-S57 P-40.
134. **Cardiac spheroid co-cultures as a novel in vitro model to study human heart microenvironment**
Polonchuk, L., Chabria, M., Badi, L., Hoflack, J., Davies, Michael J., Figtree, G. & Gentile, C., 2018, I: *Journal of Pharmacological and Toxicological Methods*. 93, s. 167 1 s.
135. **Characterization and quantification of protein oxidative modifications and amino acid racemization in powdered infant milk formula: [Meeting Abstract]**
Chen, Z., Leinisch, F., Greco, I., Zhang, W., Shu, N., Chuang, Christine, Lund, Marianne N. & Davies, Michael J., 2018, I: *Free Radical Biology and Medicine*. 120, Supplement 1, s. S47 1 s., P-8.
136. **Chlorination and oxidation of human plasma fibronectin by myeloperoxidase-derived oxidants, and its consequences for smooth muscle cell function: [Meeting Abstract]**
Nybo, T., Cai, H., Chuang, Christine, Gamon, Luke Francis, Rogowska-Wrzesinska, A. & Davies, Michael J., 2018, I: *Free Radical Biology & Medicine*. 120, S1, s. S24-S24 P-41 .

137. **Early events in copper-ion catalyzed oxidation of α -synuclein**
Tiwari, M. K., Leinisch, F., Sahin, C., Møller, I. M., Otzen, D. E., Davies, Michael J. & Bjerrum, Morten Jannik, 2018, I: Free Radical Biology & Medicine. 121, s. 38-50 13 s.
138. **Effect of free cysteine on the denaturation and aggregation of holo α -lactalbumin**
Nielsen, L. R., Lund, Marianne N., Davies, Michael J., Nielsen, J. H. & Nielsen, S. B., 2018, I: International Dairy Journal. 79, s. 52-61 10 s.
139. **Exposure of tropoelastin to peroxy-nitrous acid gives high yields of nitrated tyrosine residues, di-tyrosine cross-links and altered protein structure and function: [Meeting Abstract]**
Degendorfer, G., Lorentzen, Lasse Gøbel, Chuang, Christine, Mariotti, M., Hammer, A., Hoefler, G., Haeggund, P., Malle, E., Wise, S. & Davies, Michael J., 2018, I: Free Radical Biology and Medicine. 120, S1, s. S102-S103 P-192
140. **Identification and characterization of protein cross-links induced by oxidative reactions**
Häggund, Per Mårten, Mariotti, M. & Davies, Michael J., 2018, I: Expert Review of Proteomics. 15, 8, s. 665-681
141. **Influence of O-2 on riboflavin-mediated photo-oxidation of lysozyme: [Meeting Abstract]**
Silva, E., Tirapegui, C., Fuentes-Lemus, E., Barrias, P., Aspee, A., Lorentzen, Lasse Gøbel, Carroll, L., Leinisch, F., Davies, Michael J. & Lopez-Alarcon, C., 2018, I: Free Radical Biology and Medicine. 120, S1, s. S58-S59 P-46.
142. **Kinetics and biological consequences of quinone-induced protein adduction: [Meeting Abstract]**
Shu, N., Lorentzen, Lasse Gøbel & Davies, Michael J., 2018, I: Free Radical Biology and Medicine. 120, S1, s. S55-S55 P-34.
143. **Mass-Spectrometry-Based Identification of Cross-Links in Proteins Exposed to Photo-Oxidation and Peroxyl Radicals Using ^{18}O Labeling and Optimized Tandem Mass Spectrometry Fragmentation**
Mariotti, M., Leinisch, F., Leeming, D. J., Svensson, B., Davies, Michael J. & Häggund, Per Mårten, 2018, I: Journal of Proteome Research. 17, 6, s. 2017-2027
144. **Mechanistic view of iodide in oxidative stress: [Meeting Abstract]**
Kciuk, M. I., Davies, Michael J. & Marciniak, B., 2018, I: Free Radical Biology and Medicine. 120, S1, s. S122-S122 P-254.
145. **Modification of the extracellular matrix of the arterial wall by myeloperoxidase contributes to atherosclerosis: [Meeting Abstract]**
Cai, H., Chuang, Christine & Davies, Michael J., 2018, I: International Journal of Experimental Pathology. 99, 6, s. A24-A24
146. **Nitration alters laminin polymerization: [Meeting Abstract]**
Lorentzen, Lasse Gøbel & Davies, Michael J., 2018, I: Free Radical Biology and Medicine. 120, S1, s. S127-S127 P-271.
147. **Role of di-tyrosine and di-tryptophan in alpha- and beta-casein cross-linking triggered by riboflavin-induced photo oxidation and peroxy radicals: [Meeting Abstract]**
Fuentes-Lemus, E., Silva, E., Barrias, P., Aspee, A., Lorentzen, Lasse Gøbel, Carroll, L., Leinisch, F., Davies, Michael J. & Lopez-Alarcon, C., 2018, I: Free Radical Biology and Medicine. 120, S1, s. S60-S60 P-50 .
148. **Special issue for the International Conference on Electron Paramagnetic Resonance Spectroscopy and Imaging of Biological Systems (EPR-2017)**
Khramtsov, V. V. & Davies, Michael J., 2018, I: Free Radical Research. 52, 3, s. 305-306
149. **Formation and detection of oxidant-generated tryptophan dimers in peptides and proteins**
Carroll, L., Pattison, D. I., Davies, J. B., Anderson, R. F., Lopez-Alarcon, C. & Davies, Michael J., dec. 2017, I: Free Radical Biology & Medicine. 113, s. 132-142 11 s.
150. **Selenium-containing indolyl compounds: Kinetics of reaction with inflammation-associated oxidants and protective effect against oxidation of extracellular matrix proteins**
Casaril, A. M., Ignasiak, M. T., Chuang, Christine, Vieira, B., Padilha, N. B., Carroll, L., Lenardão, E. J., Savegnago, L. & Davies, Michael J., dec. 2017, I: Free Radical Biology & Medicine. 113, s. 395-405 11 s.
151. **Unrestricted Mass Spectrometric Data Analysis for Identification, Localization, and Quantification of Oxidative Protein Modifications**
Rykær, M., Svensson, B., Davies, Michael J. & Häggund, Per Mårten, 3 nov. 2017, I: Journal of Proteome Research. 16, 11, s. 3978-3988 11 s.
152. **Peroxy radical- and photo-oxidation of glucose 6-phosphate dehydrogenase generates cross-links and functional changes via oxidation of tyrosine and tryptophan residues**
Leinisch, F., Mariotti, M., Rykær, M., López-Alarcón, C., Häggund, Per Mårten & Davies, Michael J., nov. 2017, I: Free Radical Biology & Medicine. 112, s. 240-252 13 s.
153. **The peroxy radical-induced oxidation of Escherichia coli FtsZ and its single tryptophan mutant (Y222W) modifies specific side-chains, generates protein cross-links and affects biological function**
Escobar-Álvarez, E., Leinisch, F., Araya, G., Monasterio, O., Lorentzen, Lasse Gøbel, Silva, E., Davies, Michael J. & López-Alarcón, C., nov. 2017, I: Free Radical Biology and Medicine. 112, s. 60-68 9 s.

154. **Cardiac spheroids as promising in vitro models to study the human heart microenvironment**
Polonchuk, L., Chabria, M., Badi, L., Hoflack, J., Figtree, G. A., Davies, Michael J. & Gentile, C., 1 aug. 2017, I: Scientific Reports. 7, 12 s., 7005.
155. **Regulation and control of nitric oxide (NO) in macrophages: Protecting the "professional killer cell" from its own cytotoxic arsenal via MRP1 and GSTP1**
Kovacevic, Z., Sahni, S., Lok, K. H., Davies, Michael J., Wink, D. A. & Richardson, D. R., maj 2017, I: B B A - Reviews on Cancer. 1861, 5 Pt A, s. 995-999 5 s.
156. **The structure of *Lactococcus lactis* thioredoxin reductase reveals molecular features of photo-oxidative damage**
Skjoldager, N., Blanner Bang, M., Rykaer, M., Björnberg, O., Davies, Michael J., Svensson, B., Harris, P. & Hägglund, Per Mårten, apr. 2017, I: Scientific Reports. 7, 10 s., 46282.
157. **A biotin enrichment strategy identifies novel carbonylated amino acids in proteins from human plasma**
Havelund, J. F., Wojdyla, K. I., Davies, Michael J., Jensen, O. N., Møller, I. M. & Rogowska-Wrzęsinska, A., 6 mar. 2017, I: Journal of Proteomics. 156, s. 40-51 12 s.
158. **Protein cysteine oxidation in redox signaling: Caveats on sulfenic acid detection and quantification**
Forman, H. J., Davies, Michael J., Krämer, A. C., Miotto, G., Zaccarin, M., Zhang, H. & Ursini, F., 1 mar. 2017, I: Archives of Biochemistry and Biophysics. 617, s. 26-37 12 s.
159. **1,4-Anhydro-4-seleno-d-talitol (SeTal) protects endothelial function in the mouse aorta by scavenging superoxide radicals under conditions of acute oxidative stress**
Ng, H. H., Leo, C. H., O'Sullivan, K., Alexander, S., Davies, Michael J., Schiesser, C. H. & Parry, L. J., mar. 2017, I: Biochemical Pharmacology. 128, s. 34-45 12 s.
160. **Peroxides and protein oxidation**
Davies, Michael J., 1 jan. 2017, *Hydrogen Peroxide Metabolism in Health and Disease*. CRC Press, s. 101-124
161. **Catalytic oxidant scavenging by selenium-containing compounds: Reduction of selenoxides and N-chloramines by thiols and redox enzymes**
Carroll, L., Pattison, D. I., Fu, S., Schiesser, C. H., Davies, Michael J. & Hawkins, Clare Louise, 2017, I: Redox Biology. 12, s. 872-882 12 s.
162. **Effect of Oxidation and Protein Unfolding on Cross-Linking of β -Lactoglobulin and α -Lactalbumin**
Krämer, A. C., Torreggiani, A. & Davies, Michael J., 2017, I: Journal of Agricultural and Food Chemistry. 65, 47, s. 10258-10269 12 s.
163. **Role of Mitochondrial Reactive Oxygen Species in the Activation of Cellular Signals, Molecules, and Function**
Indo, H. P., Hawkins, Clare Louise, Nakanishi, I., Matsumoto, K., Matsui, H., Suenaga, S., Davies, Michael J., St Clair, D. K., Ozawa, T. & Majima, H. J., 2017, *Pharmacology of Mitochondria*. Springer, Bind 240. s. 439-456 18 s. (Handbook of Experimental Pharmacology, Bind 240).
164. **The immunoproteasome is induced by cytokines and regulates apoptosis in human islets**
Lundh, M., Bugliani, M., Dahlby, T., Chou, D. H., Wagner, B., Ghiasi, S. M., De Tata, V., Chen, Z., Lund, Marianne N., Davies, Michael J., Marchetti, P. & Mandrup-Poulsen, Thomas, 2017, I: Journal of Endocrinology. 233, 3, s. 369-379 11 s.
165. **Changes in mitochondrial homeostasis and redox status in astronauts following long stays in space**
Indo, H. P., Majima, H. J., Terada, M., Suenaga, S., Tomita, K., Yamada, S., Higashibata, A., Ishioka, N., Kanekura, T., Nonaka, I., Hawkins, Clare Louise, Davies, Michael J., Clair, D. K. S. & Mukai, C., 16 dec. 2016, I: Scientific Reports. 6, 10 s., 39015.
166. **Reactivity of disulfide bonds is markedly affected by structure and environment: implications for protein modification and stability**
Karimi, M., Ignasiak, M. T., Chan, B., Croft, A. K., Radom, L., Schiesser, C. H., Pattison, D. I. & Davies, Michael J., 12 dec. 2016, I: Scientific Reports. 6, 12 s., 38572.
167. **Special issue for the 7th Biennial Meeting of Society for Free Radical Research-Asia (SFRR-Asia 2015 Thailand)**
Ungsurungsie, M., Surh, Y., Toyokuni, S. & Davies, Michael J., 2 okt. 2016, I: Free Radical Research. 50, 10, s. 1045-1046
168. **Cross-linking of lens crystallin proteins induced by tryptophan metabolites and metal ions: implications for cataract development**
Tweeddale, H. J., Hawkins, Clare Louise, Janmie, J. F., Truscott, R. J. W. & Davies, Michael J., okt. 2016, I: Free Radical Research. 50, 10, s. 1116-1130 15 s.
169. **Dietary advanced glycation end-products aggravate non-alcoholic fatty liver disease**
Leung, C., Herath, C. B., Jia, Z., Andrikopoulos, S., Brown, B. E., Davies, Michael J., Rivera, L. R., Furness, J. B., Forbes, J. M. & Angus, P. W., 21 sep. 2016, I: World Journal of Gastroenterology. 22, 35, s. 8026-8040 15 s.
170. **Peroxynitrite-mediated oxidation of plasma fibronectin**
Degendorfer, G., Chuang, Christine, Kawasaki, H., Hammer, A., Malle, E., Yamakura, F. & Davies, Michael J., aug. 2016, I: Free Radical Biology & Medicine. 97, s. 602-615 14 s.

171. **The myeloperoxidase-derived oxidant hypothiocyanous acid inhibits protein tyrosine phosphatases via oxidation of key cysteine residues**
Cook, N. L., Moeke, C. H., Fantoni, L. I., Pattison, D. I. & Davies, Michael J., 1 jan. 2016, I: *Free Radical Biology & Medicine*. 90, s. 195-205 11 s.
172. **Cellular targets of the myeloperoxidase-derived oxidant hypothiocyanous acid (HOSCN) and its role in the inhibition of glycolysis in macrophages**
Love, D., Barrett, T. J., White, M. Y., Cordwell, S. J., Davies, Michael J. & Hawkins, Clare Louise, 2016, I: *Free Radical Biology & Medicine*. 94, s. 88-98 11 s.
173. **Chasing Great Paths of Helmut "Oxidative Stress" Sies**
Majima, H., Indo, H., Nakanishi, I., Suenaga, S., Matsumoto, K., Matsui, H., Minamiyama, Y., Ichikawa, H., Yen, H., Hawkins, C., Davies, Michael J., Ozawa, T. & St. Clair, D., 2016, I: *Archives of Biochemistry and Biophysics*. 595, s. 54-60 7 s.
174. **Competitive kinetics as a tool to determine rate constants for reduction of ferrylmyoglobin by food components**
Jongberg, S., Lund, Marianne N., Pattison, David, Skibsted, Leif Horsfelt & Davies, Michael J., 2016, I: *Food Chemistry*. 199, s. 36-41 6 s.
175. **Detection and characterisation of radicals using electron paramagnetic resonance (EPR) spin trapping and related methods**
Davies, Michael J., 2016, I: *Methods*. 109, s. 21-30 10 s.
176. **Exposure of aconitase to smoking-related oxidants results in iron loss and increased iron response protein-1 activity: potential mechanisms for iron accumulation in human arterial cells**
Talib, J. & Davies, Michael J., 2016, I: *Journal of Biological Inorganic Chemistry*. 21, 3, s. 305-317 13 s.
177. **Key role of cysteine residues and sulfenic acids in thermal- and H₂O₂-mediated modification of β-lactoglobulin**
Krämer, A. C., Thulstrup, Peter Waaben, Lund, Marianne N. & Davies, Michael J., 2016, I: *Free Radical Biology & Medicine*. 97, 8, s. 544-555 12 s.
178. **Key role of cysteine residues in thermal- and H₂O₂-mediated modification of beta-lactoglobulin**
Krämer, A. C., Thulstrup, Peter Waaben, Lund, Marianne N. & Davies, Michael J., 2016, I: *Free Radical Biology & Medicine*. 96, Suppl. 1, s. S16 1 s.
179. **Oxidation of free, peptide and protein tryptophan residues mediated by AAPH-derived free radicals: role of alkoxy and peroxy radicals**
Fuentes-Lemus, E., Dorta, E., Escobar, E., Aspee, A., Pino, E., Abasq, M. L., Speisky, H., Silva, E., Lissi, E., Davies, Michael J. & Lopez-Alarcon, C., 2016, I: *RSC Advances*. 6, 63, s. 57948-57955 8 s.
180. **Protein oxidation and peroxidation**
Davies, Michael J., 2016, I: *Biochemical Journal*. 473, 7, s. 805-825 21 s.
181. **Quinone-induced protein modifications: kinetic preference for reaction of 1,2-benzoquinones with thiol groups in proteins**
Li, Y., Jongberg, S., Andersen, Mogens Larsen, Davies, Michael J. & Lund, Marianne N., 2016, I: *Free Radical Biology & Medicine*. 97, s. 148-157 10 s.
182. **Role of Myeloperoxidase Oxidants in the Modulation of Cellular Lysosomal Enzyme Function: A Contributing Factor to Macrophage Dysfunction in Atherosclerosis?**
Ismael, F. O., Barrett, T. J., Sheipouri, D., Brown, B. E., Davies, Michael J. & Hawkins, Clare Louise, 2016, I: *P L o S One*. 11, 12, 16 s., e0168844.
183. **Temperature Activated Diffusion of Radicals through Ion Implanted Polymers**
Wakelin, E. A., Davies, Michael J., Bilek, M. M. M. & McKenzie, D. R., 2 dec. 2015, I: *A C S Applied Materials and Interfaces*. 7, 47, s. 26340-26345 6 s.
184. **Kinetics of reaction of peroxyxynitrite with selenium- and sulfur-containing compounds: Absolute rate constants and assessment of biological significance**
Storkey, C., Pattison, D. I., Ignasiak, M. T., Schiesser, C. H. & Davies, Michael J., dec. 2015, I: *Free Radical Biology & Medicine*. 89, s. 1049-1056 8 s.
185. **Peroxyxynitrous acid induces structural and functional modifications to basement membranes and its key component, laminin**
Degendorfer, G., Chuang, Christine, Hammer, A., Malle, E. & Davies, Michael J., dec. 2015, I: *Free Radical Biology & Medicine*. 89, s. 721-733 13 s.
186. **Determination of protein carbonyls in plasma, cell extracts, tissue homogenates, isolated proteins: Focus on sample preparation and derivatization conditions**
Weber, D., Davies, Michael J. & Grune, T., 1 aug. 2015, I: *Redox Biology*. 5, s. 367-380 14 s.
187. **Manganese superoxide dismutase promotes interaction of actin, S100A4 and Talin and enhances rat gastric tumor cell invasion**
Indo, H. P., Matsui, H., Chen, J., Zhu, H., Hawkins, Clare Louise, Davies, Michael J., Yarana, C., Clair, D. K. S. & Majima, H. J., 1 jul. 2015, I: *Journal of Clinical Biochemistry and Nutrition*. 57, 1, s. 13-20 8 s.

188. **Reactivity of selenium-containing compounds with myeloperoxidase-derived chlorinating oxidants: Second-order rate constants and implications for biological damage**
Carroll, L., Pattison, D. I., Fu, S., Schiesser, C. H., Davies, Michael J. & Hawkins, Clare Louise, jul. 2015, I: Free Radical Biology & Medicine. 84, s. 279-288 10 s.
189. **Comparative reactivity of the myeloperoxidase-derived oxidants HOCl and HOSCN with low-density lipoprotein (LDL): implications for foam cell formation in atherosclerosis**
Ismael, F. O., Proudfoot, J. M., Brown, B. E., van Reyk, D. M., Croft, K. D., Davies, Michael J. & Hawkins, C. L., maj 2015, I: Archives of Biochemistry and Biophysics. 573, s. 40-51 12 s.
190. **The nitroxide radical TEMPOL prevents obesity, hyperlipidaemia, elevation of inflammatory cytokines, and modulates atherosclerotic plaque composition in apoE(-/-) mice**
Kim, C. H. J., Mitchell, J. B., Bursill, C. A., Sowers, A. L., Thetford, A., Cook, J. A., van Reyk, D. M. & Davies, Michael J., maj 2015, I: Atherosclerosis. 240, 1, s. 234-241 8 s.
191. **Exploring oxidative modifications of tyrosine: An update on mechanisms of formation, advances in analysis and biological consequences**
Houée-Lévin, C., Bobrowski, K., Horakova, L., Karademir, B., Schöneich, C., Davies, Michael J. & Spickett, C. M., apr. 2015, I: Free Radical Research. 49, 4, s. 347-73 27 s.
192. **Thiocyanate supplementation decreases atherosclerotic plaque in mice expressing human myeloperoxidase**
Morgan, P. E., Laura, R. P., Maki, R. A., Reynolds, W. F. & Davies, Michael J., 27 mar. 2015, I: Free Radical Research. 49, 6, s. 743-9 7 s.
193. **Bio-Activation of Polyether Ether Ketone Using Plasma Immersion Ion Implantation: A Kinetic Model**
Wakelin, E. A., Kondyurin, A. V., Wise, S. G., McKenzie, D. R., Davies, Michael J. & Bilek, M. M. M., 2015, I: Plasma Processes and Polymers.
194. **Low zinc and selenium concentrations in sepsis are associated with oxidative damage and inflammation**
Mertens, K., Lowes, D. A., Webster, N. R., Talib, J., Hall, L., Davies, Michael J., Beattie, J. H. & Galley, H. F., 2015, I: British Journal of Anaesthesia. 114, 6, s. 990-999 10 s.
195. **Prevention of degradation of the natural high potency sweetener (2R,4R)-monatin in mock beverage solutions**
Storkey, C., Pattison, David, Koehler, J. A., Gaspard, D. S., Evans, J. C., Hagestuen, E. D. & Davies, Michael J., 2015, I: Food Chemistry. 173, s. 645-651
196. **Reaction of low-molecular-mass organoselenium compounds (and their sulphur analogues) with inflammation-associated oxidants**
Carroll, L., Davies, Michael J. & Pattison, D. I., 2015, I: Free Radical Research. 49, 6, s. 750-767 18 s.
197. **Sulfur and selenium in oxidation protection**
Davies, Michael J., 2015, I: La chimica e l'industria, Chimica & Materiali. 2015, 6, s. 50-54
198. **Tryptophan oxidation in proteins exposed to thiocyanate-derived oxidants**
Bonifay, V., Barrett, T. J., Pattison, D. I., Davies, Michael J., Hawkins, Clare Louise & Ashby, M. T., 15 dec. 2014, I: Archives of Biochemistry and Biophysics. 564, s. 1-11 11 s.
199. **High plasma thiocyanate levels are associated with enhanced myeloperoxidase-induced thiol oxidation and long-term survival in subjects following a first myocardial infarction**
Nedoboy, P. E., Morgan, P. E., Mocatta, T. J., Richards, A. M., Winterbourn, C. C. & Davies, Michael J., okt. 2014, I: Free Radical Research. 48, 10, s. 1256-66 11 s.
200. **Oxidation and modification of extracellular matrix and its role in disease**
Chuang, Christine, Degendorfer, G. & Davies, Michael J., sep. 2014, I: Free Radical Research. 48, 9, s. 970-89 20 s.
201. **Reevaluation of the rate constants for the reaction of hypochlorous acid (HOCl) with cysteine, methionine, and peptide derivatives using a new competition kinetic approach**
Storkey, C., Davies, Michael J. & Pattison, D. I., aug. 2014, I: Free Radical Biology & Medicine. 73, s. 60-67 7 s.
202. **Inhibition of myeloperoxidase- and neutrophil-mediated oxidant production by tetraethyl and tetramethyl nitroxides**
Kajer, T. B., Fairfull-Smith, K. E., Yamasaki, T., Yamada, K., Fu, S., Bottle, S. E., Hawkins, Clare Louise & Davies, Michael J., maj 2014, I: Free Radical Biology & Medicine. 70, s. 96-105 10 s.
203. **Mechanisms of degradation of the natural high-potency sweetener (2R,4R)-monatin in mock beverage solutions**
Storkey, C., Pattison, D. I., Gaspard, D. S., Hagestuen, E. D. & Davies, Michael J., 16 apr. 2014, I: Journal of Agricultural and Food Chemistry. 62, 15, s. 3476-87 12 s.
204. **Oxidation modifies the structure and function of the extracellular matrix generated by human coronary artery endothelial cells**
Chuang, Christine, Degendorfer, G., Hammer, A., Whitelock, J. M., Malle, E. & Davies, Michael J., 15 apr. 2014, I: Biochemical Journal. 459, 2, s. 313-22 10 s.
205. **The role of vascular-derived perlecan in modulating cell adhesion, proliferation and growth factor signaling**
Lord, M. S., Chuang, Christine, Melrose, J., Davies, Michael J., Iozzo, R. V. & Whitelock, J. M., apr. 2014, I: Matrix Biology. 35, s. 112-22 11 s.

206. **A critical role for thioredoxin-interacting protein in diabetes-related impairment of angiogenesis**
Dunn, L. L., Simpson, P. J. L., Prosser, H. C., Lecce, L., Yuen, G. S. C., Buckle, A., Sieveking, D. P., Vanags, L. Z., Lim, P. R., Chow, R. W. Y., Lam, Y. T., Clayton, Z., Bao, S., Davies, Michael J., Stadler, N., Celermajer, D. S., Stocker, R., Bursill, C. A., Cooke, J. P. & Ng, M. K. C., feb. 2014, I: *Diabetes*. 63, 2, s. 675-87 13 s.
207. **Detection and characterisation of radicals in biological materials using EPR methodology**
Hawkins, Clare Louise & Davies, Michael J., feb. 2014, I: *B B A - Reviews on Cancer*. 1840, 2, s. 708-21 14 s.
208. **Detection, quantification, and total synthesis of novel 3-hydroxykynurenine glucoside-derived metabolites present in human lenses**
Gad, N. A., Mizdrak, J., Pattison, D. I., Davies, Michael J., Truscott, R. J. W. & Jamie, J. F., feb. 2014, I: *Investigative Ophthalmology & Visual Science*. 55, 2, s. 849-55 7 s.
209. **Supplementation with carnosine decreases plasma triglycerides and modulates atherosclerotic plaque composition in diabetic apo E(-/-) mice**
Brown, B. E., Kim, C. H. J., Torpy, F. R., Bursill, C. A., McRobb, L. S., Heather, A. K., Davies, Michael J. & van Reyk, D. M., feb. 2014, I: *Atherosclerosis*. 232, 2, s. 403-9 7 s.
210. **Increasing capacity to deliver diabetes self-management education: Results of the DESMOND lay educator non-randomized controlled equivalence trial**
Carey, M. E., Mandalia, P. K., Daly, H., Gray, L. J., Hale, R., Martin Stacey, L., Taub, N., Skinner, Timothy, Stone, M., Heller, S., Khunti, K. & Davies, Michael J., 1 jan. 2014, I: *Diabetic Medicine*. 31, 11, s. 1431-1438 8 s.
211. **The smoking-associated oxidant hypothiocyanous acid induces endothelial nitric oxide synthase dysfunction**
Talib, J., Kwan, J., Suryo Rahmanto, A., Witting, P. K. & Davies, Michael J., 1 jan. 2014, I: *Biochemical Journal*. 457, 1, s. 89-97 9 s.
212. **A Novel Method for Isolating and Culturing Human Cardiomyocytes from Cryopreserved Tissues**
Gentile, C., Kuehn, B., Davies, Michael J. & dos Remedios, C. G., 2014, I: *Biophysical Journal*.
213. **Competitive reduction of perferrylmyoglobin radicals by protein thiols and plant phenols**
Jongberg, S., Lund, Marianne N., Skibsted, Leif Horsfelt & Davies, Michael J., 2014, I: *Journal of Agricultural and Food Chemistry*. 62, 46, s. 11279-11288 10 s.
214. **Glutathionylation mediates angiotensin II-induced eNOS uncoupling, amplifying NADPH oxidase-dependent endothelial dysfunction**
Galougahi, K. K., Liu, C., Gentile, C., Kok, C., Nunez, A., Garcia, A., Fry, N. A. S., Davies, Michael J., Hawkins, Clare Louise, Rasmussen, H. H. & Figtree, G. A., 2014, I: *American Heart Association. Journal. Cardiovascular and Cerebrovascular Disease*. 3, 2, s. e000731
215. **MODULATION OF ENDOTHELIAL CELL FUNCTION BY THE MYELOPEROXIDASE-DERIVED OXIDANT HYPOCHLOROUS ACID (HOCl) AND ITS CONTRIBUTION TO ATHEROSCLEROSIS**
Rayner, B. S., Lloyd, M. M., Summers, F. A., Davies, Michael J. & Hawkins, Clare Louise, 2014, I: *Hypertension*.
216. **Perturbation of human coronary artery endothelial cell redox state and NADPH generation by methylglyoxal**
Morgan, P. E., Sheahan, P. J. & Davies, Michael J., 2014, I: *PloS one*. 9, 1, 11 s., e86564.
217. **Comparative reactivity of the myeloperoxidase-derived oxidants hypochlorous acid and hypothiocyanous acid with human coronary artery endothelial cells**
Lloyd, M. M., Grima, M. A., Rayner, B. S., Hadfield, K. A., Davies, Michael J. & Hawkins, Clare Louise, dec. 2013, I: *Free Radical Biology & Medicine*. 65, s. 1352-62 11 s.
218. **Superoxide radicals have a protective role during H₂O₂ stress**
Thorpe, G. W., Reodica, M., Davies, Michael J., Heeren, G., Jarolim, S., Pillay, B., Breitenbach, M., Higgins, V. J. & Dawes, I. W., sep. 2013, I: *Molecular Biology of the Cell*. 24, 18, s. 2876-84 9 s.
219. **Biomarkers of oxidative stress study V: ozone exposure of rats and its effect on lipids, proteins, and DNA in plasma and urine**
Kadiiska, M. B., Basu, S., Brot, N., Cooper, C., Saari Csallany, A., Davies, Michael J., George, M. M., Murray, D. M., Jackson Roberts, L., Shigenaga, M. K., Sohal, R. S., Stocker, R., Van Thiel, D. H., Wiswedel, I., Hatch, G. E. & Mason, R. P., aug. 2013, I: *Free Radical Biology & Medicine*. 61, s. 408-15 8 s.
220. **Methylglyoxal-induced modification of arginine residues decreases the activity of NADPH-generating enzymes**
Morgan, P. E., Sheahan, P. J., Pattison, D. I. & Davies, Michael J., aug. 2013, I: *Free Radical Biology & Medicine*. 61, s. 229-42 14 s.
221. **The modern pharmacology of paracetamol: therapeutic actions, mechanism of action, metabolism, toxicity and recent pharmacological findings**
Graham, G. G., Davies, Michael J., Day, R. O., Mohamudally, A. & Scott, K. F., jun. 2013, I: *Inflammopharmacology*. 21, 3, s. 201-32 32 s.
222. **Chemical modification of lysozyme, glucose 6-phosphate dehydrogenase, and bovine eye lens proteins induced by peroxy radicals: role of oxidizable amino acid residues**
Arenas, A., López-Alarcón, C., Kogan, M., Lissi, E., Davies, Michael J. & Silva, E., 18 jan. 2013, I: *Chemical Research in Toxicology*. 26, 1, s. 67-77 11 s.

223. **Myeloperoxidase-derived oxidants modify apolipoprotein A-I and generate dysfunctional high-density lipoproteins: comparison of hypothiocyanous acid (HOSCN) with hypochlorous acid (HOCl)**
Hadfield, K. A., Pattison, D. I., Brown, B. E., Hou, L., Rye, K., Davies, Michael J. & Hawkins, Clare Louise, 15 jan. 2013, I: *Biochemical Journal*. 449, 2, s. 531-42 12 s.
224. **Targeting the AGE-RAGE axis improves renal function in the context of a healthy diet low in advanced glycation end-product content**
Thallas-Bonke, V., Coughlan, M. T., Tan, A. L., Harcourt, B. E., Morgan, P. E., Davies, Michael J., Bach, L. A., Cooper, M. E. & Forbes, J. M., jan. 2013, I: *Nephrology*. 18, 1, s. 47-56 10 s.
225. **Apolipoprotein A-I glycation by glucose and reactive aldehydes alters phospholipid affinity but not cholesterol export from lipid-laden macrophages**
Brown, B. E., Nobecourt, E., Zeng, J., Jenkins, A. J., Rye, K. & Davies, Michael J., 2013, I: *PLOS ONE*. 8, 5, s. e65430
226. **Myeloperoxidase-derived oxidants rapidly oxidize and disrupt zinc-cysteine/histidine clusters in proteins**
Cook, N. L., Pattison, D. I. & Davies, Michael J., 1 dec. 2012, I: *Free Radical Biology & Medicine*. 53, 11, s. 2072-80 9 s.
227. **Computational design of effective, bioinspired HOCl antioxidants: the role of intramolecular Cl⁻ and H⁺ shifts**
Karton, A., O'Reilly, R. J., Pattison, D. I., Davies, Michael J. & Radom, L., 21 nov. 2012, I: *Journal of the American Chemical Society*. 134, 46, s. 19240-5 6 s.
228. **Preventing protein oxidation with sugars: scavenging of hypohalous acids by 5-selenopyranose and 4-selenofuranose derivatives**
Storkey, C., Pattison, D. I., White, J. M., Schiesser, C. H. & Davies, Michael J., 19 nov. 2012, I: *Chemical Research in Toxicology*. 25, 11, s. 2589-99 11 s.
229. **The nitroxide TEMPO is an efficient scavenger of protein radicals: cellular and kinetic studies**
Pattison, D. I., Lam, M., Shinde, S. S., Anderson, R. F. & Davies, Michael J., 1 nov. 2012, I: *Free Radical Biology & Medicine*. 53, 9, s. 1664-74 11 s.
230. **Selenium-containing amino acids as direct and indirect antioxidants**
Rahmanto, A. S. & Davies, Michael J., nov. 2012, I: *I U B M B Life*. 64, 11, s. 863-71 9 s.
231. **Photo-oxidation-induced inactivation of the selenium-containing protective enzymes thioredoxin reductase and glutathione peroxidase**
Suryo Rahmanto, A., Pattison, D. I. & Davies, Michael J., 15 sep. 2012, I: *Free Radical Biology & Medicine*. 53, 6, s. 1308-16 9 s.
232. **Reactions and reactivity of myeloperoxidase-derived oxidants: differential biological effects of hypochlorous and hypothiocyanous acids**
Pattison, D. I., Davies, Michael J. & Hawkins, Clare Louise, aug. 2012, I: *Free Radical Research*. 46, 8, s. 975-95 21 s.
233. **High plasma thiocyanate levels modulate protein damage induced by myeloperoxidase and perturb measurement of 3-chlorotyrosine**
Talib, J., Pattison, D. I., Harmer, J. A., Celermajer, D. S. & Davies, Michael J., 1 jul. 2012, I: *Free Radical Biology & Medicine*. 53, 1, s. 20-9 10 s.
234. **Inhibition of lysosomal function in macrophages incubated with elevated glucose concentrations: a potential contributory factor in diabetes-associated atherosclerosis**
Moheimani, F., Kim, C. H. J., Rahmanto, A. S., van Reyk, D. M. & Davies, Michael J., jul. 2012, I: *Atherosclerosis*. 223, 1, s. 144-51 8 s.
235. **Effectiveness of a diabetes education and self management programme (DESMOND) for people with newly diagnosed type 2 diabetes mellitus: Three year follow-up of a cluster randomised controlled trial in primary care**
Khunti, K., Gray, L. J., Skinner, Timothy, Carey, M. E., Realf, K., Dallosso, H., Fisher, H., Campbell, M., Heller, S. & Davies, Michael J., 9 jun. 2012, I: *BMJ (Online)*. 344, 7860, e2333.
236. **Is protein methylation in the human lens a result of non-enzymatic methylation by S-adenosylmethionine?**
Truscott, R. J. W., Mizdrak, J., Friedrich, M. G., Hooi, M. Y., Lyons, B., Jamie, J. F., Davies, Michael J., Wilmarth, P. A. & David, L. L., jun. 2012, I: *Experimental Eye Research*. 99, s. 48-54 7 s.
237. **Reduced metal ion concentrations in atherosclerotic plaques from subjects with type 2 diabetes mellitus**
Stadler, N., Heeneman, S., Vöö, S., Stanley, N., Giles, G. I., Gang, B. P., Croft, K. D., Mori, T. A., Vacata, V., Daemen, M. J. A. P., Waltenberger, J. & Davies, Michael J., jun. 2012, I: *Atherosclerosis*. 222, 2, s. 512-8 7 s.
238. **Inactivation of thiol-dependent enzymes by hypothiocyanous acid: role of sulfenyl thiocyanate and sulfenic acid intermediates**
Barrett, T. J., Pattison, D. I., Leonard, S. E., Carroll, K. S., Davies, Michael J. & Hawkins, Clare Louise, 15 mar. 2012, I: *Free Radical Biology & Medicine*. 52, 6, s. 1075-85 11 s.
239. **Myeloperoxidase-derived oxidants inhibit sarco/endoplasmic reticulum Ca²⁺-ATPase activity and perturb Ca²⁺ homeostasis in human coronary artery endothelial cells**
Cook, N. L., Viola, H. M., Sharov, V. S., Hool, L. C., Schöneich, C. & Davies, Michael J., 1 mar. 2012, I: *Free Radical Biology & Medicine*. 52, 5, s. 951-61 11 s.

240. **Quantification of hydroxyl radical-derived oxidation products in peptides containing glycine, alanine, valine, and proline**
Morgan, P. E., Pattison, D. I. & Davies, Michael J., 15 jan. 2012, I: *Free Radical Biology & Medicine*. 52, 2, s. 328-39 12 s.
241. **Selenium-containing amino acids are targets for myeloperoxidase-derived hypothiocyanous acid: determination of absolute rate constants and implications for biological damage**
Skaff, O., Pattison, D. I., Morgan, P. E., Bachana, R., Jain, V. K., Priyadarsini, K. I. & Davies, Michael J., 1 jan. 2012, I: *Biochemical Journal*. 441, 1, s. 305-16 12 s.
242. **Free Radical Research origins**
Davies, Michael J., jan. 2012, I: *Free Radical Research*. 46, 1, s. 1
243. **Photo-oxidation of proteins**
Pattison, D. I., Rahmanto, A. S. & Davies, Michael J., jan. 2012, I: *Photochemical & Photobiological Sciences*. 11, 1, s. 38-53 16 s.
244. **Myeloperoxidase-Derived Oxidants Rapidly and Efficiently Oxidise Protein Zinc-Thiol Clusters**
Cook, N. L., Pattison, David & Davies, Michael J., 2012, I: *Free Radical Biology and Medicine*. 53, Supl. 2, s. S146 1 s., 355.
245. **Catalytic activity of selenomethionine in removing amino acid, peptide, and protein hydroperoxides**
Suryo Rahmanto, A. & Davies, Michael J., 15 dec. 2011, I: *Free Radical Biology & Medicine*. 51, 12, s. 2288-99 12 s.
246. **High plasma thiocyanate levels in smokers are a key determinant of thiol oxidation induced by myeloperoxidase**
Morgan, P. E., Pattison, D. I., Talib, J., Summers, F. A., Harmer, J. A., Celermajer, D. S., Hawkins, Clare Louise & Davies, Michael J., 1 nov. 2011, I: *Free Radical Biology & Medicine*. 51, 9, s. 1815-22 8 s.
247. **Mechanisms and consequences of oxidative damage to extracellular matrix**
Kennett, E. C., Chuang, Christine, Degendorfer, G., Whitelock, J. M. & Davies, Michael J., okt. 2011, I: *Biochemical Society Transactions*. 39, 5, s. 1279-87 9 s.
248. **Synthesis and antioxidant capacity of 5-selenopyranose derivatives**
Storkey, C., Davies, Michael J., White, J. M. & Schiesser, C. H., 14 sep. 2011, I: *Chemical communications (Cambridge, England)*. 47, 34, s. 9693-5 3 s.
249. **Multifactorial intervention in individuals with type 2 diabetes and microalbuminuria: The Microalbuminuria Education and Medication Optimisation (MEMO) study**
Crasto, W., Jarvis, J., Khunti, K., Skinner, Timothy, Gray, L. J., Brelva, J., Troughton, J., Daly, H., Lawrence, I. G., McNally, P. G., Carey, M. E. & Davies, Michael J., 1 sep. 2011, I: *Diabetes Research and Clinical Practice*. 93, 3, s. 328-336 9 s.
250. **Peroxidase catalysed cross-linking of an intrinsically unstructured protein via dityrosine bonds in the oocyst wall of the apicomplexan parasite, *Eimeria maxima***
Mai, K., Smith, N. C., Feng, Z., Katrib, M., Slapeta, J., Slapetova, I., Wallach, M. G., Luxford, C., Davies, Michael J., Zhang, X., Norton, R. S. & Belli, S. I., sep. 2011, I: *International Journal for Parasitology (Online)*. 41, 11, s. 1157-64 8 s.
251. **Dityrosine, 3,4-dihydroxyphenylalanine (DOPA), and radical formation from tyrosine residues on milk proteins with globular and flexible structures as a result of riboflavin-mediated photo-oxidation**
Dalsgaard, T. K., Nielsen, J. H., Brown, B. E., Stadler, N. & Davies, Michael J., 27 jul. 2011, I: *Journal of Agricultural and Food Chemistry*. 59, 14, s. 7939-47 9 s.
252. **The association between anxiety and measures of glycaemia in a population-based diabetes screening programme**
Aujla, N., Davies, Michael J., Skinner, Timothy, Gray, L. J., Webb, D. R., Srinivasan, B. & Khunti, K., 1 jul. 2011, I: *Diabetic Medicine*. 28, 7, s. 785-788 4 s.
253. **One-electron reduction of N-chlorinated and N-brominated species is a source of radicals and bromine atom formation**
Pattison, D. I., O'Reilly, R. J., Skaff, O., Radom, L., Anderson, R. F. & Davies, Michael J., 21 mar. 2011, I: *Chemical Research in Toxicology*. 24, 3, s. 371-82 12 s.
254. **Comparison of illness representations dimensions and illness representation clusters in predicting outcomes in the first year following diagnosis of type 2 diabetes: Results from the DESMOND trial**
Skinner, Timothy, Carey, M. E., Craddock, S., Dallosso, H. M., Dalyb, H., Davies, Michael J., Doherty, Y., Heller, S., Khunti, K. & Oliver, L., 1 mar. 2011, I: *Psychology and Health*. 26, 3, s. 321-335 15 s.
255. **Amino acid, peptide, and protein hydroperoxides and their decomposition products modify the activity of the 26S proteasome**
Gracanin, M., Lam, M. A., Morgan, P. E., Rodgers, K. J., Hawkins, Clare Louise & Davies, Michael J., 15 jan. 2011, I: *Free Radical Biology & Medicine*. 50, 2, s. 389-99 11 s.
256. **Myeloperoxidase-derived oxidation: mechanisms of biological damage and its prevention**
Davies, Michael J., jan. 2011, I: *Journal of Clinical Biochemistry and Nutrition*. 48, 1, s. 8-19 12 s.

257. **Effect of exposure of human monocyte-derived macrophages to high, versus normal, glucose on subsequent lipid accumulation from glycated and acetylated low-density lipoproteins**
Moheimani, F., Tan, J. T. M., Brown, B. E., Heather, A. K., van Reyk, D. M. & Davies, Michael J., 2011, I: *Journal of Diabetes Research*. 2011, s. 851280
258. **Removal of amino acid, peptide and protein hydroperoxides by reaction with peroxiredoxins 2 and 3**
Peskin, A. V., Cox, A. G., Nagy, P., Morgan, P. E., Hampton, M. B., Davies, Michael J. & Winterbourn, C. C., 1 dec. 2010, I: *Biochemical Journal*. 432, 2, s. 313-21 9 s.
259. **Screening for type 2 diabetes in a multiethnic setting using known risk factors to identify those at high risk: A cross-sectional study**
Gray, L. J., Tringham, J. R., Davies, Michael J., Webb, D. R., Jarvis, J., Skinner, Timothy, Farooqi, A. M. & Khunti, K., 1 dec. 2010, I: *Vascular Health and Risk Management*. 6, 1, s. 837-842 6 s.
260. **Cellular effects of photogenerated oxidants and long-lived, reactive, hydroperoxide photoproducts**
Rahmanto, A. S., Morgan, P. E., Hawkins, Clare Louise & Davies, Michael J., 30 nov. 2010, I: *Free Radical Biology & Medicine*. 49, 10, s. 1505-15 11 s.
261. **Ethnic differences in the prevalence and recognition of depression in a primary care population with and without type 2 diabetes**
Ali, S., Taub, N. A., Stone, M. A., Davies, Michael J., Skinner, Timothy & Khunti, K., 1 sep. 2010, *Diabetologia*.
262. **Delivering the diabetes education and self management for ongoing and newly diagnosed (DESMOND) programme for people with newly diagnosed type 2 diabetes: Cost effectiveness analysis**
Gillett, M., Dallosso, H. M., Dixon, S., Brennan, A., Carey, M. E., Campbell, M. J., Heller, S., Khunti, K., Skinner, Timothy & Davies, Michael J., 26 aug. 2010, I: *BMJ (Online)*. 341, 7770, c4093.
263. **The myeloperoxidase-derived oxidant HOSCN inhibits protein tyrosine phosphatases and modulates cell signalling via the mitogen-activated protein kinase (MAPK) pathway in macrophages**
Lane, A. E., Tan, J. T. M., Hawkins, Clare Louise, Heather, A. K. & Davies, Michael J., 15 aug. 2010, I: *Biochemical Journal*. 430, 1, s. 161-9 9 s.
264. **Depressive symptoms in the first year from diagnosis of Type 2 diabetes: Results from the DESMOND trial**
Skinner, Timothy, Carey, M. E., Cradock, S., Dallosso, H. M., Daly, H., Davies, Michael J., Doherty, Y., Heller, S., Khunti, K. & Oliver, L., 1 aug. 2010, I: *Diabetic Medicine*. 27, 8, s. 965-967 3 s.
265. **The prevalence of depressive symptoms in a white European and South Asian population with impaired glucose regulation and screen-detected Type 2 diabetes mellitus: A comparison of two screening tools**
Aujla, N., Skinner, Timothy, Khunti, K. & Davies, Michael J., 1 aug. 2010, I: *Diabetic Medicine*. 27, 8, s. 896-905 10 s.
266. **Peroxynitrite modifies the structure and function of the extracellular matrix proteoglycan perlecan by reaction with both the protein core and the heparan sulfate chains**
Kennett, E. C., Rees, M. D., Malle, E., Hammer, A., Whitelock, J. M. & Davies, Michael J., 15 jul. 2010, I: *Free Radical Biology & Medicine*. 49, 2, s. 282-93 12 s.
267. **Deleterious effects of reactive aldehydes and glycated proteins on macrophage proteasomal function: possible links between diabetes and atherosclerosis**
Moheimani, F., Morgan, P. E., van Reyk, D. M. & Davies, Michael J., jun. 2010, I: *B B A - Reviews on Cancer*. 1802, 6, s. 561-71 11 s.
268. **Acetaminophen (paracetamol) inhibits myeloperoxidase-catalyzed oxidant production and biological damage at therapeutically achievable concentrations**
Koelsch, M., Mallak, R., Graham, G. G., Kajer, T., Milligan, M. K., Nguyen, L. Q., Newsham, D. W., Keh, J. S., Kettle, A. J., Scott, K. F., Ziegler, J. B., Pattison, D. I., Fu, S., Hawkins, Clare Louise, Rees, M. D. & Davies, Michael J., 15 apr. 2010, I: *Biochemical Pharmacology*. 79, 8, s. 1156-64 9 s.
269. **Cellular effects of peptide and protein hydroperoxides**
Rahmanto, A. S., Morgan, P. E., Hawkins, Clare Louise & Davies, Michael J., 15 apr. 2010, I: *Free Radical Biology & Medicine*. 48, 8, s. 1071-8 8 s.
270. **Screening for the metabolic syndrome using simple anthropometric measurements in south Asian and white Europeans: A population-based screening study. The Leicester Ethnic Atherosclerosis and Diabetes Risk (LEADER) Study**
Khunti, K., Taub, N., Tringham, J., Jarvis, J., Farooqi, A., Skinner, Timothy & Davies, Michael J., 1 apr. 2010, I: *Primary Care Diabetes*. 4, 1, s. 25-32 8 s.
271. **Nonenzymatic glycation impairs the antiinflammatory properties of apolipoprotein A-I**
Nobécourt, E., Tabet, F., Lambert, G., Puranik, R., Bao, S., Yan, L., Davies, Michael J., Brown, B. E., Jenkins, A. J., Dusting, G. J., Bonnet, D. J., Curtiss, L. K., Barter, P. J. & Rye, K., apr. 2010, I: *Arteriosclerosis, Thrombosis, and Vascular Biology*. 30, 4, s. 766-72 7 s.
272. **The association between depression and health-related quality of life in people with type 2 diabetes: A systematic literature review**
Ali, S., Stone, M., Skinner, Timothy, Robertson, N., Davies, Michael J. & Khunti, K., 1 feb. 2010, I: *Diabetes/Metabolism Research and Reviews*. 26, 2, s. 75-89 15 s.

273. **Site-specific hypochlorous acid-induced oxidation of recombinant human myoglobin affects specific amino acid residues and the rate of cytochrome b5-mediated heme reduction**
Szuchman-Sapir, A. J., Pattison, D. I., Davies, Michael J. & Witting, P. K., 1 jan. 2010, I: *Free Radical Biology & Medicine*. 48, 1, s. 35-46 12 s.
274. **Myeloperoxidase-derived oxidants selectively disrupt the protein core of the heparan sulfate proteoglycan perlecan**
Rees, M. D., Whitelock, J. M., Malle, E., Chuang, Christine, Iozzo, R. V., Nilasaroya, A. & Davies, Michael J., jan. 2010, I: *Matrix Biology*. 29, 1, s. 63-73 11 s.
275. **Modulation of the cellular expression of circulating advanced glycation end-product receptors in type 2 diabetic nephropathy**
Sourris, K. C., Harcourt, B. E., Penfold, S. A., Yap, F. Y. T., Morley, A. L., Morgan, P. E., Davies, Michael J., Baker, S. T., Jerums, G. & Forbes, J. M., 2010, I: *Journal of Diabetes Research*. 2010, s. 974681
276. **The prevalence of depression in White-European and South-Asian people with impaired glucose regulation and screen-detected type 2 diabetes mellitus**
Aujla, N., Abrams, K. R., Davies, Michael J., Taub, N., Skinner, Timothy & Khunti, K., 9 nov. 2009, I: *PLoS ONE*. 4, 11, e7755.
277. **Glycosaminoglycans are fragmented by hydroxyl, carbonate, and nitrogen dioxide radicals in a site-selective manner: implications for peroxynitrite-mediated damage at sites of inflammation**
Kennett, E. C. & Davies, Michael J., 15 aug. 2009, I: *Free Radical Biology & Medicine*. 47, 4, s. 389-400 12 s.
278. **Hypothiocyanous acid reactivity with low-molecular-mass and protein thiols: absolute rate constants and assessment of biological relevance**
Skaff, O., Pattison, D. I. & Davies, Michael J., 15 aug. 2009, I: *Biochemical Journal*. 422, 1, s. 111-7 7 s.
279. **Inhibition of myeloperoxidase-mediated hypochlorous acid production by nitroxides**
Rees, M. D., Bottle, S. E., Fairfull-Smith, K. E., Malle, E., Whitelock, J. M. & Davies, Michael J., 1 jul. 2009, I: *Biochemical Journal*. 421, 1, s. 79-86 8 s.
280. **Singlet-oxygen-mediated amino acid and protein oxidation: formation of tryptophan peroxides and decomposition products**
Gracanin, M., Hawkins, Clare Louise, Pattison, D. I. & Davies, Michael J., 1 jul. 2009, I: *Free Radical Biology & Medicine*. 47, 1, s. 92-102 11 s.
281. **What are the plasma targets of the oxidant hypochlorous acid? A kinetic modeling approach**
Pattison, D. I., Hawkins, Clare Louise & Davies, Michael J., maj 2009, I: *Chemical Research in Toxicology*. 22, 5, s. 807-17 11 s.
282. **Quantification of protein modification by oxidants**
Hawkins, Clare Louise, Morgan, P. E. & Davies, Michael J., 15 apr. 2009, I: *Free Radical Biology & Medicine*. 46, 8, s. 965-88 24 s.
283. **Hypobromous acid and bromamine production by neutrophils and modulation by superoxide**
Chapman, A. L. P., Skaff, O., Senthilmohan, R., Kettle, A. J. & Davies, Michael J., 1 feb. 2009, I: *Biochemical Journal*. 417, 3, s. 773-81 9 s.
284. **Evidence for chronically elevated serum protein oxidation in systemic lupus erythematosus patients**
Morgan, P. E., Sturgess, A. D. & Davies, Michael J., feb. 2009, I: *Free Radical Research*. 43, 2, s. 117-27 11 s.
285. **Tryptophan residues are targets in hypothiocyanous acid-mediated protein oxidation**
Hawkins, Clare Louise, Pattison, D. I., Stanley, N. R. & Davies, Michael J., 15 dec. 2008, I: *Biochemical Journal*. 416, 3, s. 441-52 12 s.
286. **Biomedical, lifestyle and psychosocial characteristics of people newly diagnosed with type 2 diabetes: Baseline data from the DESMOND randomized controlled trial**
Khunti, K., Skinner, Timothy, Heller, S., Carey, M. E., Dallosso, H. M. & Davies, Michael J., 1 dec. 2008, I: *Diabetic Medicine*. 25, 12, s. 1454-1461 8 s.
287. **Separation, detection, and quantification of hydroperoxides formed at side-chain and backbone sites on amino acids, peptides, and proteins**
Morgan, P. E., Pattison, D. I., Hawkins, Clare Louise & Davies, Michael J., 1 nov. 2008, I: *Free Radical Biology & Medicine*. 45, 9, s. 1279-89 11 s.
288. **Nitric oxide and nitroxides can act as efficient scavengers of protein-derived free radicals**
Lam, M. A., Pattison, D. I., Bottle, S. E., Keddle, D. J. & Davies, Michael J., nov. 2008, I: *Chemical Research in Toxicology*. 21, 11, s. 2111-9 9 s.
289. **Hypochlorous acid oxidizes methionine and tryptophan residues in myoglobin**
Szuchman-Sapir, A. J., Pattison, D. I., Ellis, N. A., Hawkins, Clare Louise, Davies, Michael J. & Witting, P. K., 15 sep. 2008, I: *Free Radical Biology & Medicine*. 45, 6, s. 789-98 10 s.
290. **'Educator talk' and patient change: Some insights from the DESMOND (Diabetes Education and Self Management for Ongoing and Newly Diagnosed) randomized controlled trial**
Skinner, Timothy, Carey, M. E., Craddock, S., Dallosso, H. M., Daly, H., Davies, Michael J., Doherty, Y., Heller, S., Khunti, K. & Oliver, L., 1 sep. 2008, I: *Diabetic Medicine*. 25, 9, s. 1117-1120 4 s.

291. **Degradation of extracellular matrix by peroxyxynitrite/ peroxyxynitrous acid**
Kennett, E. C. & Davies, Michael J., 1 sep. 2008, I: Free Radical Biology & Medicine. 45, 5, s. 716-25 10 s.
292. **Hypothiocyanous acid is a more potent inducer of apoptosis and protein thiol depletion in murine macrophage cells than hypochlorous acid or hypobromous acid**
Lloyd, M. M., van Reyk, D. M., Davies, Michael J. & Hawkins, Clare Louise, 1 sep. 2008, I: Biochemical Journal. 414, 2, s. 271-80 10 s.
293. **Identification of plasma proteins that are susceptible to thiol oxidation by hypochlorous acid and N-chloramines**
Summers, F. A., Morgan, P. E., Davies, Michael J. & Hawkins, Clare Louise, sep. 2008, I: Chemical Research in Toxicology. 21, 9, s. 1832-40 9 s.
294. **The vinyl ether linkages of plasmalogens are favored targets for myeloperoxidase-derived oxidants: a kinetic study**
Skaff, O., Pattison, D. I. & Davies, Michael J., 5 aug. 2008, I: Biochemistry. 47, 31, s. 8237-45 9 s.
295. **Waiting for diabetes: Perceptions of people with pre-diabetes: A qualitative study**
Troughton, J., Jarvis, J., Skinner, Timothy, Robertson, N., Khunti, K. & Davies, Michael J., 1 jul. 2008, I: Patient Education and Counseling. 72, 1, s. 88-93 6 s.
296. **Mammalian heme peroxidases: from molecular mechanisms to health implications**
Davies, Michael J., Hawkins, Clare Louise, Pattison, D. I. & Rees, M. D., jul. 2008, I: Antioxidants & Redox Signaling. 10, 7, s. 1199-234 36 s.
297. **Oxidative damage to extracellular matrix and its role in human pathologies**
Rees, M. D., Kennett, E. C., Whitelock, J. M. & Davies, Michael J., 15 jun. 2008, I: Free Radical Biology & Medicine. 44, 12, s. 1973-2001 29 s.
298. **Effects of cross-link breakers, glycation inhibitors and insulin sensitisers on HDL function and the non-enzymatic glycation of apolipoprotein A-I**
Nobecourt, E., Zeng, J., Davies, Michael J., Brown, B. E., Yadav, S., Barter, P. J. & Rye, K. -, jun. 2008, I: Diabetologia. 51, 6, s. 1008-1017 10 s.
299. **Accumulation of zinc in human atherosclerotic lesions correlates with calcium levels but does not protect against protein oxidation**
Stadler, N., Stanley, N., Heeneman, S., Vacata, V., Daemen, M. J. A. P., Bannon, P. G., Waltenberger, J. & Davies, Michael J., maj 2008, I: Arteriosclerosis, Thrombosis, and Vascular Biology. 28, 5, s. 1024-30 7 s.
300. **Tryptophan-derived ultraviolet filter compounds covalently bound to lens proteins are photosensitizers of oxidative damage**
Mizdrak, J., Hains, P. G., Truscott, R. J. W., Jamie, J. F. & Davies, Michael J., 15 mar. 2008, I: Free Radical Biology & Medicine. 44, 6, s. 1108-19 12 s.
301. **Effectiveness of the diabetes education and self management for ongoing and newly diagnosed (DESMOND) programme for people with newly diagnosed type 2 diabetes: Cluster randomised controlled trial**
Davies, Michael J., Heller, S., Skinner, Timothy, Campbell, M. J., Carey, M. E., Craddock, S., Dallosso, H. M., Daly, H., Doherty, Y., Eaton, S., Fox, C., Oliver, L., Rantell, K., Rayman, G. & Khunti, K., 1 mar. 2008, I: BMJ. 336, 7642, s. 491-495 5 s.
302. **The DESMOND educational intervention**
Davies, Michael J., Heller, S., Khunti, K. & Skinner, Timothy, 1 mar. 2008, I: Chronic Illness. 4, 1, s. 38-40 3 s.
303. **Oxidation of myosin by haem proteins generates myosin radicals and protein cross-links**
Lund, Marianne N., Luxford, C., Skibsted, Leif Horsfelt & Davies, Michael J., 2008, I: Biochemical Journal. 410, 3, s. 565-574
304. **Kinetics of hypobromous acid-mediated oxidation of lipid components and antioxidants**
Skaff, O., Pattison, D. I. & Davies, Michael J., dec. 2007, I: Chemical Research in Toxicology. 20, 12, s. 1980-8 9 s.
305. **Serum protein oxidation and apolipoprotein CIII levels in people with systemic lupus erythematosus with and without nephritis**
Morgan, P. E., Sturgess, A. D., Hennessy, A. & Davies, Michael J., dec. 2007, I: Free Radical Research. 41, 12, s. 1301-12 12 s.
306. **Oxidation and inactivation of SERCA by selective reaction of cysteine residues with amino acid peroxides**
Dremina, E. S., Sharov, V. S., Davies, Michael J. & Schöneich, C., okt. 2007, I: Chemical Research in Toxicology. 20, 10, s. 1462-9 8 s.
307. **Hypochlorous acid-mediated protein oxidation: how important are chloramine transfer reactions and protein tertiary structure?**
Pattison, D. I., Hawkins, Clare Louise & Davies, Michael J., 28 aug. 2007, I: Biochemistry. 46, 34, s. 9853-64 12 s.
308. **Reversible binding of kynurenine to lens proteins: potential protection by glutathione in young lenses**
Parker, N. R., Korlimbinis, A., Jamie, J. F., Davies, Michael J. & Truscott, R. J. W., aug. 2007, I: Investigative Ophthalmology & Visual Science. 48, 8, s. 3705-13 9 s.
309. **Inhibition of protein tyrosine phosphatases by amino acid, peptide, and protein hydroperoxides: potential modulation of cell signaling by protein oxidation products**
Gracanin, M. & Davies, Michael J., 15 maj 2007, I: Free Radical Biology & Medicine. 42, 10, s. 1543-51 9 s.

310. **Degradation of matrix glycosaminoglycans by peroxynitrite/peroxynitrous acid: evidence for a hydroxyl-radical-like mechanism**
Kennett, E. C. & Davies, Michael J., 15 apr. 2007, I: Free Radical Biology & Medicine. 42, 8, s. 1278-89 12 s.
311. **Carnosine and its constituents inhibit glycation of low-density lipoproteins that promotes foam cell formation in vitro**
Rashid, I., van Reyk, D. M. & Davies, Michael J., 6 mar. 2007, I: FEBS Letters. 581, 5, s. 1067-70 4 s.
312. **Glycation of low-density lipoprotein results in the time-dependent accumulation of cholesteryl esters and apolipoprotein B-100 protein in primary human monocyte-derived macrophages**
Brown, B. E., Rashid, I., van Reyk, D. M. & Davies, Michael J., mar. 2007, I: F E B S Journal. 274, 6, s. 1530-41 12 s.
313. **The impact of glycation on apolipoprotein A-I structure and its ability to activate lecithin: cholesterol acyltransferase**
Nobecourt, E., Davies, Michael J., Brown, B. E., Curtiss, L. K., Bonnet, D. J., Charlton, F., Januszewski, A. S., Jenkins, A. J., Barter, P. J. & Rye, K. -, mar. 2007, I: Diabetologia. 50, 3, s. 643-653 11 s.
314. **Degradation of extracellular matrix and its components by hypobromous acid**
Rees, M. D., McNiven, T. N. & Davies, Michael J., 15 jan. 2007, I: Biochemical Journal. 401, 2, s. 587-96 10 s.
315. **Diabetes education and self-management for ongoing and newly diagnosed (DESMOND): Process modelling of pilot study**
Skinner, Timothy, Carey, M. E., Craddock, S., Daly, H., Davies, Michael J., Doherty, Y., Heller, S., Khunti, K. & Oliver, L., 1 dec. 2006, I: Patient Education and Counseling. 64, 1-3, s. 369-377 9 s.
316. **Protein and low molecular mass thiols as targets and inhibitors of glycation reactions**
Zeng, J. & Davies, Michael J., dec. 2006, I: Chemical Research in Toxicology. 19, 12, s. 1668-76 9 s.
317. **Evidence for inactivation of cysteine proteases by reactive carbonyls via glycation of active site thiols**
Zeng, J., Dunlop, R. A., Rodgers, K. J. & Davies, Michael J., 1 sep. 2006, I: Biochemical Journal. 398, 2, s. 197-206 10 s.
318. **Effect of side chains on competing pathways for beta-scission reactions of peptide-backbone alkoxy radicals**
Wood, G. P. F., Easton, C. J., Rauk, A., Davies, Michael J. & Radom, L., 31 aug. 2006, I: Journal of Physical Chemistry Part A: Molecules, Spectroscopy, Kinetics, Environment and General Theory. 110, 34, s. 10316-23 8 s.
319. **Evidence for rapid inter- and intramolecular chlorine transfer reactions of histamine and carnosine chloramines: implications for the prevention of hypochlorous-acid-mediated damage**
Pattison, D. I. & Davies, Michael J., 4 jul. 2006, I: Biochemistry. 45, 26, s. 8152-62 11 s.
320. **Concentrations of iron correlate with the extent of protein, but not lipid, oxidation in advanced human atherosclerotic lesions**
Stanley, N., Stadler, N., Bannon, P. G., Woods, A. A. & Davies, Michael J., 1 maj 2006, I: Free Radical Biology & Medicine. 40, 9, s. 1636-43 8 s.
321. **Inhibition of cathepsins and related proteases by amino acid, peptide, and protein hydroperoxides**
Headlam, H. A., Gracanin, M., Rodgers, K. J. & Davies, Michael J., 1 maj 2006, I: Free Radical Biology & Medicine. 40, 9, s. 1539-48 10 s.
322. **Modification of low-density lipoprotein by myeloperoxidase-derived oxidants and reagent hypochlorous acid**
Malle, E., Marsche, G., Arnhold, J. & Davies, Michael J., apr. 2006, I: B B A - Reviews on Cancer. 1761, 4, s. 392-415 24 s.
323. **Heparan sulfate degradation via reductive homolysis of its N-chloro derivatives**
Rees, M. D. & Davies, Michael J., 8 mar. 2006, I: Journal of the American Chemical Society. 128, 9, s. 3085-97 13 s.
324. **Sensitizer-mediated photooxidation of histidine residues: evidence for the formation of reactive side-chain peroxides**
Agon, V. V., Bubb, W. A., Wright, A., Hawkins, Clare Louise & Davies, Michael J., 15 feb. 2006, I: Free Radical Biology & Medicine. 40, 4, s. 698-710 13 s.
325. **Actions of ultraviolet light on cellular structures**
Pattison, D. I. & Davies, Michael J., 2006, I: E X S. 96, s. 131-57 27 s.
326. **Reactions of myeloperoxidase-derived oxidants with biological substrates: Gaining chemical insight into human inflammatory diseases**
Pattison, David & Davies, Michael J., 2006, I: Current Medicinal Chemistry. 13, 27, s. 3271-3290 20 s.
327. **Diabetes screening anxiety and beliefs**
Skinner, Timothy, Davies, Michael J., Farooqi, A. M., Jarvis, J., Tringham, J. R. & Khunti, K., 1 nov. 2005, I: Diabetic Medicine. 22, 11, s. 1497-1502 6 s.
328. **The role of aromatic amino acid oxidation, protein unfolding, and aggregation in the hypobromous acid-induced inactivation of trypsin inhibitor and lysozyme**
Hawkins, Clare Louise & Davies, Michael J., nov. 2005, I: Chemical Research in Toxicology. 18, 11, s. 1669-77 9 s.
329. **Oxidation of heparan sulphate by hypochlorite: role of N-chloro derivatives and dichloramine-dependent fragmentation**
Rees, M. D., Pattison, D. I. & Davies, Michael J., 1 okt. 2005, I: Biochemical Journal. 391, Pt 1, s. 125-34 10 s.

330. **The role of reactive N-bromo species and radical intermediates in hypobromous acid-induced protein oxidation**
Hawkins, Clare Louise & Davies, Michael J., 1 okt. 2005, I: *Free Radical Biology & Medicine*. 39, 7, s. 900-12 13 s.
331. **Inactivation of protease inhibitors and lysozyme by hypochlorous acid: role of side-chain oxidation and protein unfolding in loss of biological function**
Hawkins, Clare Louise & Davies, Michael J., okt. 2005, I: *Chemical Research in Toxicology*. 18, 10, s. 1600-10 11 s.
332. **Neuroprotectant effects of iso-osmolar D-mannitol to prevent Pacific ciguatoxin-1 induced alterations in neuronal excitability: a comparison with other osmotic agents and free radical scavengers**
Birinyi-Strachan, L. C., Davies, Michael J., Lewis, R. J. & Nicholson, G. M., okt. 2005, I: *Neuropharmacology*. 49, 5, s. 669-86 18 s.
333. **Protein oxidation injury occurs during pediatric cardiopulmonary bypass**
Sheil, M. L., Luxford, C., Davies, Michael J., Peat, J. K., Nunn, G. & Celermajer, D. S., okt. 2005, I: *Journal of Thoracic and Cardiovascular Surgery*. 130, 4, s. 1054-61 8 s.
334. **Evidence for the formation of adducts and S-(carboxymethyl)cysteine on reaction of alpha-dicarbonyl compounds with thiol groups on amino acids, peptides, and proteins**
Zeng, J. & Davies, Michael J., aug. 2005, I: *Chemical Research in Toxicology*. 18, 8, s. 1232-41 10 s.
335. **Increased levels of serum protein oxidation and correlation with disease activity in systemic lupus erythematosus**
Morgan, P. E., Sturgess, A. D. & Davies, Michael J., jul. 2005, I: *Arthritis & Rheumatism*. 52, 7, s. 2069-79 11 s.
336. **Guanine-specific DNA damage induced by gamma-irradiated histone**
Furukawa, A., Hiraku, Y., Oikawa, S., Luxford, C., Davies, Michael J. & Kawanishi, S., 15 jun. 2005, I: *Biochemical Journal*. 388, Pt 3, s. 813-8 6 s.
337. **Kinetic analysis of the role of histidine chloramines in hypochlorous acid mediated protein oxidation**
Pattison, D. I. & Davies, Michael J., 17 maj 2005, I: *Biochemistry*. 44, 19, s. 7378-87 10 s.
338. **Glycation of low-density lipoproteins by methylglyoxal and glycolaldehyde gives rise to the in vitro formation of lipid-laden cells**
Brown, B. E., Dean, R. T. & Davies, Michael J., feb. 2005, I: *Diabetologia*. 48, 2, s. 361-9 9 s.
339. **The oxidative environment and protein damage**
Davies, Michael J., 17 jan. 2005, I: *B B A - Reviews on Cancer*. 1703, 2, s. 93-109 17 s.
340. **The illness beliefs of people newly diagnosed with type 2 diabetes: results from the DESMOND pilot study**
Heller, S., Davies, Michael J., Khunti, K., Skinner, Timothy & James, P., 1 jan. 2005, *Diabetologia*.
341. **Utility of risk factors when screening for diabetes mellitus**
Tringham, J. R., Davies, Michael J., Jarvis, J., Skinner, Timothy, Farooqi, A. M. & Khunti, K., 1 jan. 2005, *Diabetes*.
342. **Protein-bound kynurenine is a photosensitizer of oxidative damage**
Parker, N. R., Jamie, J. F., Davies, Michael J. & Truscott, R. J. W., 1 nov. 2004, I: *Free Radical Biology & Medicine*. 37, 9, s. 1479-89 11 s.
343. **Hypochlorite and superoxide radicals can act synergistically to induce fragmentation of hyaluronan and chondroitin sulphates**
Rees, M. D., Hawkins, Clare Louise & Davies, Michael J., 1 jul. 2004, I: *Biochemical Journal*. 381, Pt 1, s. 175-84 10 s.
344. **Requirements for superoxide-dependent tyrosine hydroperoxide formation in peptides**
Winterbourn, C. C., Parsons-Mair, H. N., Gebicki, S., Gebicki, J. M. & Davies, Michael J., 1 jul. 2004, I: *Biochemical Journal*. 381, Pt 1, s. 241-8 8 s.
345. **Kinetic analysis of the reactions of hypobromous acid with protein components: implications for cellular damage and use of 3-bromotyrosine as a marker of oxidative stress**
Pattison, D. I. & Davies, Michael J., 27 apr. 2004, I: *Biochemistry*. 43, 16, s. 4799-809 11 s.
346. **Protective mechanisms against peptide and protein peroxides generated by singlet oxygen**
Morgan, P. E., Dean, R. T. & Davies, Michael J., 15 feb. 2004, I: *Free Radical Biology & Medicine*. 36, 4, s. 484-96 13 s.
347. **Reactive species formed on proteins exposed to singlet oxygen**
Davies, Michael J., jan. 2004, I: *Photochemical & Photobiological Sciences*. 3, 1, s. 17-25 9 s.
348. **Direct detection and quantification of transition metal ions in human atherosclerotic plaques: evidence for the presence of elevated levels of iron and copper**
Stadler, N., Lindner, R. A. & Davies, Michael J., 2004, I: *Arteriosclerosis, Thrombosis, and Vascular Biology*. 24, 5, s. 949-54 6 s.
349. **EPR spin trapping of protein radicals**
Davies, Michael J. & Hawkins, Clare Louise, 2004, I: *Free Radical Biology & Medicine*. 36, 9, s. 1072-86 15 s.
350. **Markers of protein oxidation: different oxidants give rise to variable yields of bound and released carbonyl products**
Headlam, H. A. & Davies, Michael J., 2004, I: *Free Radical Biology & Medicine*. 36, 9, s. 1175-84 10 s.

351. **Hypochlorite-induced oxidation of amino acids, peptides and proteins**
Hawkins, C. L., Pattison, D. I. & Davies, Michael J., dec. 2003, I: *Amino Acids*. 25, 3-4, s. 259-74 16 s.
352. **Fragmentation of extracellular matrix by hypochlorous acid**
Woods, A. A. & Davies, Michael J., 15 nov. 2003, I: *Biochemical Journal*. 376, Pt 1, s. 219-27 9 s.
353. **Hypochlorite-mediated fragmentation of hyaluronan, chondroitin sulfates, and related N-acetyl glycosamines: evidence for chloramide intermediates, free radical transfer reactions, and site-specific fragmentation**
Rees, M. D., Hawkins, Clare Louise & Davies, Michael J., 12 nov. 2003, I: *Journal of the American Chemical Society*. 125, 45, s. 13719-33 15 s.
354. **Glycation and glycooxidation of low-density lipoproteins by glucose and low-molecular mass aldehydes. Formation of modified and oxidized particles**
Knott, H. M., Brown, B. E., Davies, Michael J. & Dean, R. T., sep. 2003, I: *European Journal of Biochemistry*. 270, 17, s. 3572-82 11 s.
355. **Singlet oxygen-mediated damage to proteins and its consequences**
Davies, Michael J., 6 jun. 2003, I: *Molecular Cell Biology Research Communications*. 305, 3, s. 761-70 10 s.
356. **Radical chemistry of epigallocatechin gallate and its relevance to protein damage**
Hagerman, A. E., Dean, R. T. & Davies, Michael J., 1 jun. 2003, I: *Nitric Oxide: Biology and Chemistry*. 414, 1, s. 115-20 6 s.
357. **Roles of tyrosine-rich precursor glycoproteins and dityrosine- and 3,4-dihydroxyphenylalanine-mediated protein cross-linking in development of the oocyst wall in the coccidian parasite Eimeria maxima**
Belli, S. I., Wallach, M. G., Luxford, C., Davies, Michael J. & Smith, N. C., jun. 2003, I: *Eukaryotic Cell (Online Edition)*. 2, 3, s. 456-64 9 s.
358. **Hypochlorous acid-mediated oxidation of lipid components and antioxidants present in low-density lipoproteins: absolute rate constants, product analysis, and computational modeling**
Pattison, D. I., Hawkins, Clare Louise & Davies, Michael J., apr. 2003, I: *Chemical Research in Toxicology*. 16, 4, s. 439-49 11 s.
359. **Photo-oxidation of cells generates long-lived intracellular protein peroxides**
Wright, A., Hawkins, Clare Louise & Davies, Michael J., 15 mar. 2003, I: *Free Radical Biology & Medicine*. 34, 6, s. 637-47 11 s.
360. **Detection of HOCl-mediated protein oxidation products in the extracellular matrix of human atherosclerotic plaques**
Woods, A. A., Linton, S. M. & Davies, Michael J., 1 mar. 2003, I: *Biochemical Journal*. 370, Pt 2, s. 729-35 7 s.
361. **Cell-mediated reduction of protein and peptide hydroperoxides to reactive free radicals**
Headlam, H. A. & Davies, Michael J., 1 jan. 2003, I: *Free Radical Biology & Medicine*. 34, 1, s. 44-55 12 s.
362. **The retina: oxidative stress and diabetes**
van Reyk, D. M., Gillies, M. C. & Davies, Michael J., 2003, I: *Redox Report (Online)*. 8, 4, s. 187-92 6 s.
363. **Inactivation of cellular caspases by peptide-derived tryptophan and tyrosine peroxides**
Hampton, M. B., Morgan, P. E. & Davies, Michael J., 11 sep. 2002, I: *FEBS Letters*. 527, 1-3, s. 289-92 4 s.
364. **Oxidation of DNA, proteins and lipids by DOPA, protein-bound DOPA, and related catechol(amine)s**
Pattison, D. I., Dean, R. T. & Davies, Michael J., 1 aug. 2002, I: *Toxicology*. 177, 1, s. 23-37 15 s.
365. **Reaction of protein chloramines with DNA and nucleosides: evidence for the formation of radicals, protein-DNA cross-links and DNA fragmentation**
Hawkins, Clare Louise, Pattison, D. I. & Davies, Michael J., 1 aug. 2002, I: *Biochemical Journal*. 365, Pt 3, s. 605-15 11 s.
366. **Inactivation of cellular enzymes by carbonyls and protein-bound glycation/glycooxidation products**
Morgan, P. E., Dean, R. T. & Davies, Michael J., 15 jul. 2002, I: *Archives of Biochemistry and Biophysics*. 403, 2, s. 259-69 11 s.
367. **Reaction between protein radicals and other biomolecules**
Østdal, H., Davies, Michael J. & Andersen, H. J., 15 jul. 2002, I: *Free Radical Biology & Medicine*. 33, 2, s. 201-9 9 s.
368. **Singlet oxygen-mediated protein oxidation: evidence for the formation of reactive side chain peroxides on tyrosine residues**
Wright, A., Bubb, W. A., Hawkins, Clare Louise & Davies, Michael J., jul. 2002, I: *Photochemistry and Photobiology*. 76, 1, s. 35-46 12 s.
369. **Beta-scission of side-chain alkoxy radicals on peptides and proteins results in the loss of side-chains as aldehydes and ketones**
Headlam, H. A. & Davies, Michael J., 1 jun. 2002, I: *Free Radical Biology & Medicine*. 32, 11, s. 1171-84 14 s.
370. **Comparative time-courses of copper-ion-mediated protein and lipid oxidation in low-density lipoprotein**
Knott, H. M., Baoutina, A., Davies, Michael J. & Dean, R. T., 15 apr. 2002, I: *Archives of Biochemistry and Biophysics*. 400, 2, s. 223-32 10 s.

371. **Inhibition of glyceraldehyde-3-phosphate dehydrogenase by peptide and protein peroxides generated by singlet oxygen attack**
Morgan, P. E., Dean, R. T. & Davies, Michael J., apr. 2002, I: *European Journal of Biochemistry*. 269, 7, s. 1916-25 10 s.
372. **Superoxide radicals can act synergistically with hypochlorite to induce damage to proteins**
Hawkins, Clare Louise, Rees, M. D. & Davies, Michael J., 2 jan. 2002, I: *FEBS Letters*. 510, 1-2, s. 41-4 4 s.
373. **Hypochlorite-induced damage to DNA, RNA, and polynucleotides: formation of chloramines and nitrogen-centered radicals**
Hawkins, Clare Louise & Davies, Michael J., jan. 2002, I: *Chemical Research in Toxicology*. 15, 1, s. 83-92 10 s.
374. **Analysis of aliphatic amino acid alcohols in oxidized proteins**
Morin, B., Fu, S., Wang, H., Davies, Michael J. & Dean, R. T., 2002, I: *Methods in molecular biology (Clifton, N.J.)*. 186, s. 101-10 10 s.
375. **Induction of DNA damage by oxidised amino acids and proteins**
Luxford, C., Dean, R. T. & Davies, Michael J., 2002, I: *Biogerontology*. 3, 1-2, s. 95-102 8 s.
376. **Hypochlorite- and hypobromite-mediated radical formation and its role in cell lysis**
Hawkins, C. L., Brown, B. E. & Davies, Michael J., 15 nov. 2001, I: *Archives of Biochemistry and Biophysics*. 395, 2, s. 137-45 9 s.
377. **Protein oxidation and ageing**
Linton, S., Davies, Michael J. & Dean, R. T., sep. 2001, I: *Experimental Gerontology*. 36, 9, s. 1503-18 16 s.
378. **Hypochlorite-induced damage to nucleosides: formation of chloramines and nitrogen-centered radicals**
Hawkins, C. L. & Davies, Michael J., aug. 2001, I: *Chemical Research in Toxicology*. 14, 8, s. 1071-81 11 s.
379. **Generation and propagation of radical reactions on proteins**
Hawkins, C. L. & Davies, Michael J., 2 apr. 2001, I: *B B A - Reviews on Cancer*. 1504, 2-3, s. 196-219 24 s.
380. **An investigation of the chromium oxidation state of a monoanionic chromium tris(catecholate) complex by X-ray absorption and EPR spectroscopies**
Pattison, D. I., Levina, A., Davies, Michael J. & Lay, P. A., 15 jan. 2001, I: *Inorganic Chemistry*. 40, 2, s. 214-7 4 s.
381. **Absolute rate constants for the reaction of hypochlorous acid with protein side chains and peptide bonds**
Pattison, D. I. & Davies, Michael J., 2001, I: *Chemical Research in Toxicology*. 14, 10, s. 1453-64 12 s.
382. **Chromium(VI) reduction by catechol(amine)s results in DNA cleavage in vitro: relevance to chromium genotoxicity**
Pattison, D. I., Davies, Michael J., Levina, A., Dixon, N. E. & Lay, P. A., 2001, I: *Chemical Research in Toxicology*. 14, 5, s. 500-10 11 s.
383. **Photo-oxidation of proteins and its role in cataractogenesis**
Davies, Michael J. & Truscott, R. J., 2001, I: *Journal of Photochemistry and Photobiology, B: Biology*. 63, 1-3, s. 114-25 12 s.
384. **Hypochlorite-induced oxidation of thiols: formation of thyl radicals and the role of sulfenyl chlorides as intermediates**
Davies, Michael J. & Hawkins, C. L., dec. 2000, I: *Free Radical Research*. 33, 6, s. 719-29 11 s.
385. **beta-Scission of C-3 (beta-carbon) alkoxy radicals on peptides and proteins: a novel pathway which results in the formation of alpha-carbon radicals and the loss of amino acid side chains**
Headlam, H. A., Mortimer, A., Easton, C. J. & Davies, Michael J., nov. 2000, I: *Chemical Research in Toxicology*. 13, 11, s. 1087-95 9 s.
386. **Radicals derived from histone hydroperoxides damage nucleobases in RNA and DNA**
Luxford, C., Dean, R. T. & Davies, Michael J., jul. 2000, I: *Chemical Research in Toxicology*. 13, 7, s. 665-72 8 s.
387. **EPR studies of chromium(V) intermediates generated via reduction of chromium(VI) by DOPA and related catecholamines: potential role for oxidized amino acids in chromium-induced cancers**
Pattison, D. I., Lay, P. A. & Davies, Michael J., 26 jun. 2000, I: *Inorganic Chemistry*. 39, 13, s. 2729-39 11 s.
388. **Formation of hydroxyl radicals in the human lens is related to the severity of nuclear cataract**
Garner, B., Davies, Michael J. & Truscott, R. J., jan. 2000, I: *Experimental Eye Research*. 70, 1, s. 81-8 8 s.
389. **An investigation into the genotoxic species generated during reduction of chromium(VI) by catechol(amine)s**
Pattison, D. I., Lay, P. A. & Davies, Michael J., 2000, I: *Redox Report (Online)*. 5, 2-3, s. 130-2 3 s.
390. **Hypochlorite-induced damage to red blood cells: evidence for the formation of nitrogen-centred radicals**
Hawkins, C. L. & Davies, Michael J., 2000, I: *Redox Report (Online)*. 5, 1, s. 57-9 3 s.
391. **Singlet oxygen-mediated protein oxidation: evidence for the formation of reactive peroxides**
Wright, A., Hawkins, C. L. & Davies, Michael J., 2000, I: *Redox Report (Online)*. 5, 2-3, s. 159-61 3 s.
392. **Lipid oxidation in human low-density lipoprotein induced by metmyoglobin/H2O2: involvement of alpha-tocopheroxyl and phosphatidylcholine alkoxy radicals**
Witting, P. K., Willhite, C. A., Davies, Michael J. & Stocker, R., dec. 1999, I: *Chemical Research in Toxicology*. 12, 12, s. 1173-81 9 s.

393. **Stable markers of oxidant damage to proteins and their application in the study of human disease**
Davies, Michael J., Fu, S., Wang, H. & Dean, R. T., dec. 1999, I: Free Radical Biology & Medicine. 27, 11-12, s. 1151-63 13 s.
394. **Histone H1- and other protein- and amino acid-hydroperoxides can give rise to free radicals which oxidize DNA**
Luxford, C., Morin, B., Dean, R. T. & Davies, Michael J., 15 nov. 1999, I: Biochemical Journal. 344 Pt 1, s. 125-34 10 s.
395. **Hypochlorite-induced oxidation of proteins in plasma: formation of chloramines and nitrogen-centred radicals and their role in protein fragmentation**
Hawkins, C. L. & Davies, Michael J., 1 jun. 1999, I: Biochemical Journal. 340 (Pt 2), s. 539-48 10 s.
396. **Formation of long-lived radicals on proteins by radical transfer from heme enzymes—a common process?**
Ostdal, H., Andersen, H. J. & Davies, Michael J., 1 feb. 1999, I: Archives of Biochemistry and Biophysics. 362, 1, s. 105-12 8 s.
397. **Myoglobin-induced oxidative damage: evidence for radical transfer from oxidized myoglobin to other proteins and antioxidants**
Irwin, J. A., Ostdal, H. & Davies, Michael J., 1 feb. 1999, I: Archives of Biochemistry and Biophysics. 362, 1, s. 94-104 11 s.
398. **Secondary radicals derived from chloramines of apolipoprotein B-100 contribute to HOCl-induced lipid peroxidation of low-density lipoproteins**
Hazell, L. J., Davies, Michael J. & Stocker, R., 1999, I: Biochemical Journal. 339 (Pt 3), s. 489-95 7 s.
399. **3-Hydroxylysine, a potential marker for studying radical-induced protein oxidation**
Morin, B., Bubbs, W. A., Davies, Michael J., Dean, R. T. & Fu, S., nov. 1998, I: Chemical Research in Toxicology. 11, 11, s. 1265-73 9 s.
400. **The cytoplasmic Cu,Zn superoxide dismutase of saccharomyces cerevisiae is required for resistance to freeze-thaw stress. Generation of free radicals during freezing and thawing**
Park, J. I., Grant, C. M., Davies, Michael J. & Dawes, I. W., 4 sep. 1998, I: The Journal of Biological Chemistry. 273, 36, s. 22921-8 8 s.
401. **Evidence for roles of radicals in protein oxidation in advanced human atherosclerotic plaque**
Fu, S., Davies, Michael J., Stocker, R. & Dean, R. T., 1 aug. 1998, I: Biochemical Journal. 333 (Pt 3), s. 519-25 7 s.
402. **Hypochlorite-induced damage to proteins: formation of nitrogen-centred radicals from lysine residues and their role in protein fragmentation**
Hawkins, C. L. & Davies, Michael J., 15 jun. 1998, I: Biochemical Journal. 332 (Pt 3), s. 617-25 9 s.
403. **Degradation of hyaluronic acid, poly- and monosaccharides, and model compounds by hypochlorite: evidence for radical intermediates and fragmentation**
Hawkins, C. L. & Davies, Michael J., jun. 1998, I: Free Radical Biology & Medicine. 24, 9, s. 1396-410 15 s.
404. **Photodynamically generated bovine serum albumin radicals: evidence for damage transfer and oxidation at cysteine and tryptophan residues**
Silvester, J. A., Timmins, G. S. & Davies, Michael J., 15 mar. 1998, I: Free Radical Biology & Medicine. 24, 5, s. 754-66 13 s.
405. **The protein oxidation product 3,4-dihydroxyphenylalanine (DOPA) mediates oxidative DNA damage**
Morin, B., Davies, Michael J. & Dean, R. T., 15 mar. 1998, I: Biochemical Journal. 330 (Pt 3), s. 1059-67 9 s.
406. **Protein hydroperoxides and carbonyl groups generated by porphyrin-induced photo-oxidation of bovine serum albumin**
Silvester, J. A., Timmins, G. S. & Davies, Michael J., 15 feb. 1998, I: Archives of Biochemistry and Biophysics. 350, 2, s. 249-58 10 s.
407. **Direct detection of radicals in intact soybean nodules: presence of nitric oxide-leghemoglobin complexes**
Mathieu, C., Moreau, S., Frenco, P., Puppo, A. & Davies, Michael J., 1998, I: Free Radical Biology & Medicine. 24, 7-8, s. 1242-9 8 s.
408. **Oxidation and antioxidation of human low-density lipoprotein and plasma exposed to 3-morpholinopyridone and reagent peroxytrite**
Thomas, S. R., Davies, Michael J. & Stocker, R., 1998, I: Chemical Research in Toxicology. 11, 5, s. 484-94 11 s.
409. **A kinetic and ESR investigation of iron(II) oxalate oxidation by hydrogen peroxide and dioxygen as a source of hydroxyl radicals**
Park, J. S., Wood, P. M., Davies, Michael J., Gilbert, B. C. & Whitwood, A. C., nov. 1997, I: Free Radical Research. 27, 5, s. 447-58 12 s.
410. **Absence of synproportionation between oxy and ferryl leghemoglobin. off**
Mathieu, C., Swaraj, K., Davies, Michael J., Trinchant, J. C. & Puppo, A., aug. 1997, I: Free Radical Research. 27, 2, s. 165-71 7 s.
411. **Oxidative damage to collagen and related substrates by metal ion/hydrogen peroxide systems: random attack or site-specific damage?**
Hawkins, C. L. & Davies, Michael J., 27 feb. 1997, I: B B A - Reviews on Cancer. 1360, 1, s. 84-96 13 s.

412. **Biochemistry and pathology of radical-mediated protein oxidation**
Dean, R. T., Fu, S., Stocker, R. & Davies, Michael J., 1997, I: Biochemical Journal. 324 (Pt 1), s. 1-18 18 s.
413. **Leghemoglobin-derived radicals. Evidence for multiple protein-derived radicals and the initiation of peribacteroid membrane damage**
Moreau, S., Davies, Michael J., Mathieu, C., Hérouart, D. & Puppo, A., 20 dec. 1996, I: The Journal of Biological Chemistry. 271, 51, s. 32557-62 6 s.
414. **Protein and peptide alkoxyl radicals can give rise to C-terminal decarboxylation and backbone cleavage**
Davies, Michael J., 1 dec. 1996, I: Archives of Biochemistry and Biophysics. 336, 1, s. 163-72 10 s.
415. **Benzoyl peroxide-induced damage to DNA and its components: direct evidence for the generation of base adducts, sugar radicals, and strand breaks**
Hazlewood, C. & Davies, Michael J., 1 aug. 1996, I: Archives of Biochemistry and Biophysics. 332, 1, s. 79-91 13 s.
416. **Effect of propofol and thiopentone on free radical mediated oxidative stress of the erythrocyte**
Murphy, P. G., Davies, Michael J., Columb, M. O. & Stratford, N., apr. 1996, I: British Journal of Anaesthesia. 76, 4, s. 536-43 8 s.
417. **Novel monohydroxamate drugs attenuate myocardial reperfusion-induced arrhythmias**
Collis, C. S., Rice-Evans, C. & Davies, Michael J., apr. 1996, I: International Journal of Biochemistry & Cell Biology. 28, 4, s. 405-13 9 s.
418. **Xanthine oxidase activity and free radical generation in patients with sepsis syndrome**
Galley, H. F., Davies, Michael J. & Webster, N. R., 1996, I: Critical Care Medicine. 24, 10, s. 1649-53 5 s.
419. **Reaction of ferric leghemoglobin with H₂O₂: formation of heme-protein cross-links and dimeric species**
Moreau, S., Davies, Michael J. & Puppo, A., 16 aug. 1995, I: Biochimica et biophysica acta. 1251, 1, s. 17-22 6 s.
420. **A hydrogen-donating monohydroxamate scavenges ferryl myoglobin radicals**
Cooper, C. E., Green, E. S., Rice-Evans, C. A., Davies, Michael J. & Wrigglesworth, J. M., apr. 1994, I: Free Radical Research. 20, 4, s. 219-27 9 s.

Aktiviteter

President-Elect, Society for Free Radical Research - Europe

Davies, Michael J. (Deltager)
2017 → 2018

Society for Free Radical Research - Europe (Ekstern organisation)

Davies, Michael J. (Medlem)
2017 → 2018

President, Society for Free Radical Research International (Ekstern organisation)

Davies, Michael J. (Formand)
2013 → 2014

Redox Biology (Tidsskrift)

Davies, Michael J. (Medlem af redaktionsgruppen)
2013 → ...

Biomedical Spectroscopy and Imaging (Tidsskrift)

Davies, Michael J. (Medlem af redaktionsgruppen)
2012 → ...

Director and Board Member, Heart Research Institute (Ekstern organisation)

Davies, Michael J. (Bestyrelsesmedlem)
2012 → 2014

Toxicology Research (Tidsskrift)

Davies, Michael J. (Medlem af redaktionsgruppen)
2012 → ...

President-Elect, Society for Free Radical Research International (Ekstern organisation)

Davies, Michael J. (Formand)

2011 → 2012

Chairperson, Biomedical Science and Biotechnology Committee, Australian Institute of Nuclear Science and Engineering (Ekstern organisation)

Davies, Michael J. (Formand)
2010 → 2014

Associate Editor, Photochemistry and Photobiology (Tidsskrift)

Davies, Michael J. (Redaktør)
1 jan. 2009 → ...

Biochemical Journal (Tidsskrift)

Davies, Michael J. (Redaktør)
1 jan. 2009 → ...

Editor in Chief, Free Radical Research (Tidsskrift)

Davies, Michael J. (Redaktør)
1 jan. 2009 → ...

Australian Research Council Professorial Fellowship

Davies, Michael J. (Prismodtager)
2009 → 2013

Vice-President, International EPR Society (Ekstern organisation)

Davies, Michael J. (Bestyrelsesmedlem)
2008 → 2011

Secretary-General, Society for Free Radical Research International (Ekstern organisation)

Davies, Michael J. (Sekretær)
2007 → 2010

Journal of Clinical Biochemistry and Nutrition (Tidsskrift)

Davies, Michael J. (Medlem af redaktionsgruppen)
2006 → ...

Council member, American Society for Photobiology (Ekstern organisation)

Davies, Michael J. (Bestyrelsesmedlem)
2005 → 2008

International Committee member, Oxygen Club of California (Ekstern organisation)

Davies, Michael J. (Medlem)
2005 → ...

Management Committee, Australian Research Council Centre of Excellence in Free Radical Chemistry and Biotechnology (Ekstern organisation)

Davies, Michael J. (Bestyrelsesmedlem)
2005 → 2013

Chemical Research in Toxicology (Tidsskrift)

Davies, Michael J. (Medlem af redaktionsgruppen)
2003 → 2005

Secretary and Public Officer, Mutagenesis and Experimental Pathology Society Australasia (Ekstern organisation)

Davies, Michael J. (Sekretær)
2003 → 2005

Council member, Mutagenesis and Experimental Pathology Society Australasia (Ekstern organisation)

Davies, Michael J. (Bestyrelsesmedlem)

2002 → 2007

Deputy Director, The Heart Research Institute (Ekstern organisation)

Davies, Michael J. (Bestyrelsesmedlem)

2001 → 2012

President, Society for Free Radical Research (Australasia) (Ekstern organisation)

Davies, Michael J. (Formand)

2001 → 2003

Spectroscopy (Tidsskrift)

Davies, Michael J. (Medlem af redaktionsgruppen)

2001 → 2012

Australian Research Council Senior Fellowship

Davies, Michael J. (Prismodtager)

2000 → 2005

Free Radical Biology and Medicine (Tidsskrift)

Davies, Michael J. (Medlem af redaktionsgruppen)

2000 → ...

Free Radical Research (Tidsskrift)

Davies, Michael J. (Medlem af redaktionsgruppen)

2000 → ...

President-Elect, Society for Free Radical Research (Australasia) (Ekstern organisation)

Davies, Michael J. (Formand)

1999 → 2001

Biochemical Journal (Tidsskrift)

Davies, Michael J. (Medlem af redaktionsgruppen)

1 jan. 1998 → ...

Australian Research Council Queen Elizabeth 2 Fellowship

Davies, Michael J. (Prismodtager)

1996 → 2000

Redox Report (Online) (Tidsskrift)

Davies, Michael J. (Medlem af redaktionsgruppen)

1994 → ...

Royal Society of Chemistry, ESR/EPR Specialist Periodical Reports (Tidsskrift)

Davies, Michael J. (Redaktør)

1993 → 2008

Royal Society of Chemistry, ESR Group Committee (Ekstern organisation)

Davies, Michael J. (Medlem)

1992 → 1995

Society for Free Radical Research, European Committee (Ekstern organisation)

Davies, Michael J. (Bestyrelsesmedlem)

1992 → 1994