

David M Van Reyk

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

920
citations

471371

17
h-index

501076

28
g-index

29
all docs

29
docs citations

29
times ranked

1424
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | The retina: oxidative stress and diabetes. <i>Redox Report</i> , 2003, 8, 187-192. | 1.4 | 85 |
| 2 | Oxysterols in biological systems: sources, metabolism and pathophysiological relevance. <i>Redox Report</i> , 2006, 11, 255-262. | 1.4 | 81 |
| 3 | Hypothiocyanous acid is a more potent inducer of apoptosis and protein thiol depletion in murine macrophage cells than hypochlorous acid or hypobromous acid. <i>Biochemical Journal</i> , 2008, 414, 271-280. | 1.7 | 76 |
| 4 | Carnosine and its constituents inhibit glycation of low-density lipoproteins that promotes foam cell formation in vitro. <i>FEBS Letters</i> , 2007, 581, 1067-1070. | 1.3 | 75 |
| 5 | Evidence of Biomass Smoke Exposure as a Causative Factor for the Development of COPD. <i>Toxics</i> , 2017, 5, 36. | 1.6 | 58 |
| 6 | Supplementation with carnosine decreases plasma triglycerides and modulates atherosclerotic plaque composition in diabetic apoE ^{-/-} mice. <i>Atherosclerosis</i> , 2014, 232, 403-409. | 0.4 | 54 |
| 7 | Direct Copper Reduction by Macrophages. <i>Journal of Biological Chemistry</i> , 1997, 272, 6927-6935. | 1.6 | 45 |
| 8 | The intracellular oxidation of 2,7-dichlorofluorescein in murine T lymphocytes. <i>Free Radical Biology and Medicine</i> , 2001, 30, 82-88. | 1.3 | 45 |
| 9 | The nitroxide radical TEMPOL prevents obesity, hyperlipidaemia, elevation of inflammatory cytokines, and modulates atherosclerotic plaque composition in apoE ^{-/-} mice. <i>Atherosclerosis</i> , 2015, 240, 234-241. | 0.4 | 42 |
| 10 | Modulation of neural regulators of energy homeostasis, and of inflammation, in the pups of mice exposed to e-cigarettes. <i>Neuroscience Letters</i> , 2018, 684, 61-66. | 1.0 | 38 |
| 11 | Deleterious effects of reactive aldehydes and glycated proteins on macrophage proteasomal function: Possible links between diabetes and atherosclerosis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010, 1802, 561-571. | 1.8 | 37 |
| 12 | Low-density lipoprotein modified by myeloperoxidase oxidants induces endothelial dysfunction. <i>Redox Biology</i> , 2017, 13, 623-632. | 3.9 | 33 |
| 13 | Batch-To-Batch Variation of Chelex-100 Confounds Metal-Catalysed Oxidation. Leaching of Inhibitory Compounds from A Batch of Chelex-100 and Their Removal by a Pre-Washing Procedure. <i>Free Radical Research</i> , 1995, 23, 533-535. | 1.5 | 32 |
| 14 | 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. <i>FEBS Journal</i> , 2007, 274, 1530-1541. | 2.2 | 32 |
| 15 | The macrophage in atherosclerosis: modulation of cell function by sterols. <i>Journal of Leukocyte Biology</i> , 1999, 66, 557-561. | 1.5 | 29 |
| 16 | Comparative reactivity of the myeloperoxidase-derived oxidants HOCl and HOSCN with low-density lipoprotein (LDL): Implications for foam cell formation in atherosclerosis. <i>Archives of Biochemistry and Biophysics</i> , 2015, 573, 40-51. | 1.4 | 24 |
| 17 | Inhibition of in vitro lymphoproliferation by three novel iron chelators of the pyridoxal and salicyl aldehyde hydrazone classes. <i>Biochemical Pharmacology</i> , 2000, 60, 581-587. | 2.0 | 17 |
| 18 | The use of simulation as a novel experiential learning module in undergraduate science pathophysiology education. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2016, 40, 335-341. | 0.8 | 17 |

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|----|--|-----|-----------|
| 19 | The Iron-Selective Chelator Desferal Can Reduce Chelated Copper. <i>Free Radical Research</i> , 1996, 24, 55-60. | 1.5 | 16 |
| 20 | Prooxidant and Antioxidant Activities of Macrophages in Metal-Mediated LDL Oxidation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999, 19, 1119-1124. | 1.1 | 16 |
| 21 | A pivotal role for NF- κ B in the macrophage inflammatory response to the myeloperoxidase oxidant hypothiocyanous acid. <i>Archives of Biochemistry and Biophysics</i> , 2018, 642, 23-30. | 1.4 | 14 |
| 22 | Human macrophages limit oxidation products in low density lipoprotein. <i>Lipids in Health and Disease</i> , 2005, 4, 6. | 1.2 | 12 |
| 23 | Inhibition of lysosomal function in macrophages incubated with elevated glucose concentrations: A potential contributory factor in diabetes-associated atherosclerosis. <i>Atherosclerosis</i> , 2012, 223, 144-151. | 0.4 | 12 |
| 24 | Effect of Exposure of Human Monocyte-Derived Macrophages to High, versus Normal, Glucose on Subsequent Lipid Accumulation from Glycated and Acetylated Low-Density Lipoproteins. <i>Experimental Diabetes Research</i> , 2011, 2011, 1-10. | 3.8 | 11 |
| 25 | Short term exendin-4 treatment reduces markers of metabolic disorders in female offspring of obese rat dams. <i>International Journal of Developmental Neuroscience</i> , 2015, 46, 67-75. | 0.7 | 9 |
| 26 | A comparison of attitudes toward remote learning during the COVID-19 pandemic between students attending a Chinese and an Australian campus. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2022, 46, 297-308. | 0.8 | 5 |
| 27 | Perceptions of Video Scenarios to Learn Human Pathophysiology Among Undergraduate Science Students. <i>Journal of Science Education and Technology</i> , 2020, 29, 597-604. | 2.4 | 1 |
| 28 | Extracellular Matrix Oxidised by the Granulocyte Oxidants Hypochlorous and Hypobromous Acid Reduces Lung Fibroblast Adhesion and Proliferation In Vitro. <i>Cells</i> , 2021, 10, 3351. | 1.8 | 1 |