

Roger D Hurst

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

3,814
citations

279487

23
h-index

123241

61
g-index

75
all docs

75
docs citations

75
times ranked

5309
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A Simple, Robust, and Convenient HPLC Assay for Urinary Lactulose and Mannitol in the Dual Sugar Absorption Test. <i>Molecules</i> , 2022, 27, 2677. | 1.7 | 2 |
| 2 | Different immune and functional effects of urban dust and diesel particulate matter inhalation in a mouse model of acute air pollution exposure. <i>Immunology and Cell Biology</i> , 2021, 99, 419-427. | 1.0 | 4 |
| 3 | Boysenberry and apple juice concentrate reduced acute lung inflammation and increased M2 macrophage-associated cytokines in an acute mouse model of allergic airways disease. <i>Food Science and Nutrition</i> , 2021, 9, 1491-1503. | 1.5 | 6 |
| 4 | Potential of Beetroot and Blackcurrant Compounds to Improve Metabolic Syndrome Risk Factors. <i>Metabolites</i> , 2021, 11, 338. | 1.3 | 10 |
| 5 | Dietary New Zealand propolis supplementation reduced proinflammatory cytokines in an acute mouse model of air pollution exposure, without impacting on immune cell infiltration or lung function. <i>Journal of Functional Foods</i> , 2021, 86, 104722. | 1.6 | 1 |
| 6 | Kiwifruit with high anthocyanin content modulates NF- κ B activation and reduces CCL11 secretion in human alveolar epithelial cells. <i>Journal of Functional Foods</i> , 2020, 65, 103734. | 1.6 | 13 |
| 7 | Anthocyanin-Rich New Zealand Blackcurrant Extract Supports the Maintenance of Forearm Blood-Flow During Prolonged Sedentary Sitting. <i>Frontiers in Nutrition</i> , 2020, 7, 74. | 1.6 | 11 |
| 8 | The effect of New Zealand Blackcurrant on sport performance and related biomarkers: a systematic review and meta-analysis. <i>Journal of the International Society of Sports Nutrition</i> , 2020, 17, 25. | 1.7 | 18 |
| 9 | Daily Consumption of an Anthocyanin-Rich Extract Made From New Zealand Blackcurrants for 5 Weeks Supports Exercise Recovery Through the Management of Oxidative Stress and Inflammation: A Randomized Placebo Controlled Pilot Study. <i>Frontiers in Nutrition</i> , 2020, 7, 16. | 1.6 | 29 |
| 10 | Timed consumption of a New Zealand blackcurrant juice support positive affective responses during a self-motivated moderate walking exercise in healthy sedentary adults. <i>Journal of the International Society of Sports Nutrition</i> , 2019, 16, 33. | 1.7 | 14 |
| 11 | Consumption of an Anthocyanin-Rich Extract Made From New Zealand Blackcurrants Prior to Exercise May Assist Recovery From Oxidative Stress and Maintains Circulating Neutrophil Function: A Pilot Study. <i>Frontiers in Nutrition</i> , 2019, 6, 73. | 1.6 | 18 |
| 12 | Suppression of CCL26 and CCL11 generation in human alveolar epithelial cells by apple extracts containing procyanidins. <i>Journal of Functional Foods</i> , 2017, 31, 141-151. | 1.6 | 10 |
| 13 | Blackcurrant anthocyanins modulate CCL11 secretion and suppress allergic airway inflammation. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600868. | 1.5 | 28 |
| 14 | RCT of the effect of berryfruit polyphenolic cultivar extract in mild steroid-naive asthma: a cross-over, placebo-controlled study. <i>BMJ Open</i> , 2017, 7, e013850. | 0.8 | 3 |
| 15 | The in vitro evaluation of isolated procyanidins as modulators of cytokine-induced eotaxin production in human alveolar epithelial cells. <i>Journal of Berry Research</i> , 2016, 6, 115-124. | 0.7 | 9 |
| 16 | Procyanidin A2 Modulates IL-4-Induced CCL26 Production in Human Alveolar Epithelial Cells. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1888. | 1.8 | 23 |
| 17 | Muscle Glycogen Depletion Following 75-km of Cycling Is Not Linked to Increased Muscle IL-6, IL-8, and MCP-1 mRNA Expression and Protein Content. <i>Frontiers in Physiology</i> , 2016, 7, 431. | 1.3 | 6 |
| 18 | Boysenberry ingestion supports fibrolytic macrophages with the capacity to ameliorate chronic lung remodeling. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L628-L638. | 1.3 | 12 |

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|----|---|-----|-----------|
| 19 | Predictors of Change in Plasma Cytokines and Muscle Cytokine mRNA and Protein After 75-km Cycling. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 816. | 0.2 | 0 |
| 20 | Post-Exercise Skeletal Muscle Glycogen Related to Plasma Cytokine but Not Muscle mRNA Expression. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 715. | 0.2 | 0 |
| 21 | Post-Exercise Skeletal Muscle Glycogen Related to Plasma Cytokines and Muscle IL-6 Protein Content, but not Muscle Cytokine mRNA Expression. <i>Frontiers in Nutrition</i> , 2015, 2, 27. | 1.6 | 22 |
| 22 | Assessment of the Effect of Intestinal Permeability Probes (Lactulose And Mannitol) and Other Liquids on Digesta Residence Times in Various Segments of the Gut Determined by Wireless Motility Capsule: A Randomised Controlled Trial. <i>PLoS ONE</i> , 2015, 10, e0143690. | 1.1 | 26 |
| 23 | Ascorbic Acid may Exacerbate Aspirin-Induced Increase in Intestinal Permeability. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2015, 117, 195-203. | 1.2 | 11 |
| 24 | Standardising the Lactulose Mannitol Test of Gut Permeability to Minimise Error and Promote Comparability. <i>PLoS ONE</i> , 2014, 9, e99256. | 1.1 | 88 |
| 25 | Differential trafficking of saccharidic probes following aspirin in clinical tests of intestinal permeability in young healthy women. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2014, 41, 107-117. | 0.9 | 12 |
| 26 | Blackcurrant cultivar polyphenolic extracts suppress CCL26 secretion from alveolar epithelial cells. <i>Food and Function</i> , 2014, 5, 671. | 2.1 | 21 |
| 27 | In vitro studies of modulation of pathogenic and probiotic bacterial proliferation and adhesion to intestinal cells by blackcurrant juices. <i>Journal of Functional Foods</i> , 2014, 8, 35-44. | 1.6 | 24 |
| 28 | Plant-derived Foods for the Attenuation of Allergic Airway Inflammation. <i>Current Pharmaceutical Design</i> , 2014, 20, 869-878. | 0.9 | 12 |
| 29 | Cognitive function and blood-brain barrier permeability during exercise in the heat: Effect of fitness and bovine colostrum supplementation. <i>Journal of Thermal Biology</i> , 2013, 38, 374-383. | 1.1 | 7 |
| 30 | Mucosal permeability testing: response. <i>Neurogastroenterology and Motility</i> , 2013, 25, 855-855. | 1.6 | 0 |
| 31 | Effect of New Zealand blueberry consumption on recovery from eccentric exercise-induced muscle damage. <i>Journal of the International Society of Sports Nutrition</i> , 2012, 9, 19. | 1.7 | 112 |
| 32 | Progress in Blueberry Research in New Zealand. <i>International Journal of Fruit Science</i> , 2012, 12, 304-315. | 1.2 | 4 |
| 33 | The effect of aspirin and smoking on urinary excretion profiles of lactulose and mannitol in young women: toward a dynamic, aspirin augmented, test of gut mucosal permeability. <i>Neurogastroenterology and Motility</i> , 2012, 24, e401-11. | 1.6 | 17 |
| 34 | Blueberry fruit polyphenolics suppress oxidative stress-induced skeletal muscle cell damage <i>in vitro</i> . <i>Molecular Nutrition and Food Research</i> , 2010, 54, 353-363. | 1.5 | 59 |
| 35 | Blackcurrant proanthocyanidins augment IFN- γ -induced suppression of IL-4 stimulated CCL26 secretion in alveolar epithelial cells. <i>Molecular Nutrition and Food Research</i> , 2010, 54, S159-70. | 1.5 | 35 |
| 36 | Evaluating the health benefits of fruits for physical fitness: A research platform. <i>Journal of Berry Research</i> , 2010, 1, 35-44. | 0.7 | 16 |

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|----|--|-----|-----------|
| 37 | Exercise-induced elevation in plasma oxidative generating capability augments the temporal inflammatory response stimulated by lipopolysaccharide. <i>European Journal of Applied Physiology</i> , 2009, 107, 61-72. | 1.2 | 9 |
| 38 | Post-mortem metmyoglobin reduction in fresh venison. <i>Meat Science</i> , 2007, 75, 53-60. | 2.7 | 25 |
| 39 | Enteric Glia Regulate Intestinal Barrier Function and Inflammation Via Release of S-Nitrosoglutathione. <i>Gastroenterology</i> , 2007, 132, 1344-1358. | 0.6 | 349 |
| 40 | Polyphenolic phytochemicals â€“ just antioxidants or much more?. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 2900-2916. | 2.4 | 457 |
| 41 | In vitro models for the bloodâ€“brain barrier. <i>Toxicology in Vitro</i> , 2005, 19, 299-334. | 1.1 | 365 |
| 42 | Peroxynitrite Mediates Nitric Oxideâ€“Induced Bloodâ€“Brain Barrier Damage. <i>Neurochemical Research</i> , 2004, 29, 579-587. | 1.6 | 68 |
| 43 | The Utility of the Nitric Oxide Electrochemical Sensor in Biomedical Research. <i>Sensors</i> , 2003, 3, 321-329. | 2.1 | 19 |
| 44 | Activated T cells mediate direct bloodâ€“brain barrier endothelial cell death and dysfunction. <i>NeuroReport</i> , 2002, 13, 2587-2591. | 0.6 | 5 |
| 45 | Hydrogen peroxide and nitric oxide as signalling molecules in plants. <i>Journal of Experimental Botany</i> , 2002, 53, 1237-1247. | 2.4 | 810 |
| 46 | Cell signalling following plant/pathogen interactions involves the generation of reactive oxygen and reactive nitrogen species. <i>Plant Physiology and Biochemistry</i> , 2002, 40, 611-617. | 2.8 | 94 |
| 47 | Preservation of extracellular glutathione by an astrocyte derived factor with properties comparable to extracellular superoxide dismutase. <i>Journal of Neurochemistry</i> , 2002, 83, 984-991. | 2.1 | 49 |
| 48 | Investigations into the Mechanism of Action of a Novel Nitric Oxide Generator on Cellular Respiration. <i>Journal of Neurochemistry</i> , 2002, 67, 1200-1207. | 2.1 | 20 |
| 49 | A comparison of the induction of immortalized endothelial cell impermeability by astrocytes. <i>NeuroReport</i> , 2001, 12, 1329-1334. | 0.6 | 49 |
| 50 | Nitric-oxide-induced inhibition of glyceraldehyde-3-phosphate dehydrogenase may mediate reduced endothelial cell monolayer integrity in an in vitro model bloodâ€“brain barrier. <i>Brain Research</i> , 2001, 894, 181-188. | 1.1 | 33 |
| 51 | A useful in vitro blood-brain barrier model. <i>NeuroReport</i> , 2000, 11, L1-L2. | 0.6 | 5 |
| 52 | NO way back: nitric oxide and programmed cell death in <i>Arabidopsis thaliana</i> suspension cultures. <i>Plant Journal</i> , 2000, 24, 667-677. | 2.8 | 406 |
| 53 | Astrocyte Nitric Oxide Causes Neuronal Mitochondrial Damage, but Antioxidant Release Limits Neuronal Cell Death. <i>Annals of the New York Academy of Sciences</i> , 1999, 893, 400-403. | 1.8 | 27 |
| 54 | Upregulation of intercellular adhesion molecule-1 expression on human endothelial cells by tumour necrosis factor- α in an in vitro model of the bloodâ€“brain barrier. <i>Brain Research</i> , 1999, 830, 330-336. | 1.1 | 79 |

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|----|---|-----|-----------|
| 55 | Butyric acid mediated induction of enhanced transendothelial resistance in an in vitro model blood-brain barrier system. <i>Neurochemistry International</i> , 1999, 35, 261-267. | 1.9 | 10 |
| 56 | Alterations in transendothelial electrical resistance by vasoactive agonists and cyclic AMP in a blood-brain barrier model system. <i>Neurochemical Research</i> , 1998, 23, 149-154. | 1.6 | 47 |
| 57 | Increased inducible nitric oxide synthase protein but limited nitric oxide formation occurs in astrocytes of the hph-1 (tetrahydrobiopterin deficient) mouse. <i>Brain Research</i> , 1998, 804, 1-6. | 1.1 | 20 |
| 58 | Decreased endothelial cell glutathione and increased sensitivity to oxidative stress in an in vitro blood-brain barrier model system. <i>Brain Research</i> , 1998, 802, 232-240. | 1.1 | 36 |
| 59 | 61 An Immortalized <i>In Vitro</i> Model of the Blood-Brain Barrier: Effects of Cellular Differentiating Agents. <i>Biochemical Society Transactions</i> , 1998, 26, S353-S353. | 1.6 | 0 |
| 60 | 119 An Immortalized In Vitro Model of the Blood-Brain Barrier: Glutathione Levels and Sensitivity to Oxidative Stress. <i>Biochemical Society Transactions</i> , 1998, 26, S354-S354. | 1.6 | 0 |
| 61 | Nitric Oxide-Induced Blood-Brain Barrier Dysfunction Is Not Mediated by Inhibition of Mitochondrial Respiratory Chain Activity and/or Energy Depletion. <i>Nitric Oxide - Biology and Chemistry</i> , 1997, 1, 121-129. | 1.2 | 33 |
| 62 | Investigations into the action of a novel nitric oxide donor on cellular respiration. <i>Biochemical Society Transactions</i> , 1996, 24, 460S-460S. | 1.6 | 1 |
| 63 | Nitric oxide-induced perturbations in a cell culture model of the blood-brain barrier. , 1996, 167, 89-94. | | 31 |
| 64 | Chloride is required for receptor-mediated divalent cation entry in mesangial cells. <i>Journal of Cellular Physiology</i> , 1995, 162, 15-25. | 2.0 | 13 |
| 65 | Glomerular mesangial cell altered contractility in high glucose is Ca ²⁺ independent. <i>Diabetes</i> , 1995, 44, 759-766. | 0.3 | 12 |
| 66 | Isolated rat glomerular cells demonstrate L-type Ca ²⁺ -channel activity. <i>Cell Calcium</i> , 1993, 14, 387-396. | 1.1 | 16 |
| 67 | Immunoprecipitation of a pertussis toxin substrate of the Go family from rat islets of Langerhans. <i>Bioscience Reports</i> , 1992, 12, 95-100. | 1.1 | 3 |
| 68 | Evidence for differential effects of noradrenaline and somatostatin on intracellular messenger systems in rat islets of Langerhans. <i>Journal of Molecular Endocrinology</i> , 1990, 4, 231-237. | 1.1 | 17 |
| 69 | Effects of benextramine on the adrenergic inhibition of insulin secretion in isolated rat pancreatic islets. <i>Journal of Molecular Endocrinology</i> , 1989, 2, 99-105. | 1.1 | 2 |
| 70 | Calcium handling by stimulated islets of Langerhans. <i>Biochemical Society Transactions</i> , 1989, 17, 64-66. | 1.6 | 1 |
| 71 | Intracellular events responsible for the inhibition of insulin secretion by somatostatin. <i>Biochemical Society Transactions</i> , 1989, 17, 1085-1086. | 1.6 | 2 |
| 72 | Dissociation between intracellular calcium mobilization and insulin secretion in isolated rat islets of Langerhans. <i>FEBS Letters</i> , 1988, 227, 153-156. | 1.3 | 3 |

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|----|---|-----|-----------|
| 73 | Effects of $\hat{1}\pm$ -adrenergic antagonists on insulin secretion from rat pancreatic islets. Biochemical Society Transactions, 1988, 16, 1005-1006. | 1.6 | 13 |
| 74 | Intracellular Ca^{2+} mobilization in isolated rat islets of Langerhans. Biochemical Society Transactions, 1987, 15, 939-940. | 1.6 | 0 |