Roger D Hurst

List of Publications by Year
in descending order

74	3,814	279798	123424
papers	citations	23 h-index	61 g-index

75	75	75	5309
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Simple, Robust, and Convenient HPLC Assay for Urinary Lactulose and Mannitol in the Dual Sugar Absorption Test. Molecules, 2022, 27, 2677.	3.8	2
2	Different immune and functional effects of urban dust and diesel particulate matter inhalation in a mouse model of acute air pollution exposure. Immunology and Cell Biology, 2021, 99, 419-427.	2.3	4
3	Boysenberry and apple juice concentrate reduced acute lung inflammation and increased M2 macrophageâ€associated cytokines in an acute mouse model of allergic airways disease. Food Science and Nutrition, 2021, 9, 1491-1503.	3.4	6
4	Potential of Beetroot and Blackcurrant Compounds to Improve Metabolic Syndrome Risk Factors. Metabolites, 2021, 11, 338.	2.9	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. Journal of Functional Foods, 2021, 86, 104722.	3.4	1
6	Kiwifruit with high anthocyanin content modulates NF-Î¹B activation and reduces CCL11 secretion in human alveolar epithelial cells. Journal of Functional Foods, 2020, 65, 103734.	3.4	13
7	Anthocyanin-Rich New Zealand Blackcurrant Extract Supports the Maintenance of Forearm Blood-Flow During Prolonged Sedentary Sitting. Frontiers in Nutrition, 2020, 7, 74.	3.7	11
8	The effect of New ZealandÂblackcurrant on sport performance and related biomarkers: a systematic review and meta-analysis. Journal of the International Society of Sports Nutrition, 2020, 17, 25.	3.9	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. Frontiers in Nutrition, 2020, 7, 16.	3.7	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. Journal of the International Society of Sports Nutrition, 2019, 16, 33.	3.9	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. Frontiers in Nutrition, 2019, 6, 73.	3.7	18
12	Suppression of CCL26 and CCL11 generation in human alveolar epithelial cells by apple extracts containing procyanidins. Journal of Functional Foods, 2017, 31, 141-151.	3.4	10
13	Blackcurrant anthocyanins modulate CCL11 secretion and suppress allergic airway inflammation. Molecular Nutrition and Food Research, 2017, 61, 1600868.	3.3	28
14	RCT of the effect of berryfruit polyphenolic cultivar extract in mild steroid-naive asthma: a cross-over, placebo-controlled study. BMJ Open, 2017, 7, e013850.	1.9	3
15	The in vitro evaluation of isolated procyanidins as modulators of cytokine-induced eotaxin production in human alveolar epithelial cells. Journal of Berry Research, 2016, 6, 115-124.	1.4	9
16	Procyanidin A2 Modulates IL-4-Induced CCL26 Production in Human Alveolar Epithelial Cells. International Journal of Molecular Sciences, 2016, 17, 1888.	4.1	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. Frontiers in Physiology, 2016, 7, 431.	2.8	6
18	Boysenberry ingestion supports fibrolytic macrophages with the capacity to ameliorate chronic lung remodeling. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L628-L638.	2.9	12

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19	Predictors of Change in Plasma Cytokines and Muscle Cytokine mRNA and Protein After 75-km Cycling. Medicine and Science in Sports and Exercise, 2016, 48, 816.	0.4	0
20	Post-Exercise Skeletal Muscle Glycogen Related to Plasma Cytokine but Not Muscle mRNA Expression. Medicine and Science in Sports and Exercise, 2015, 47, 715.	0.4	0
21	Post-Exercise Skeletal Muscle Glycogen Related to Plasma Cytokines and Muscle IL-6 Protein Content, but not Muscle Cytokine mRNA Expression. Frontiers in Nutrition, 2015, 2, 27.	3.7	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. PLoS ONE, 2015, 10, e0143690.	2.5	26
23	Ascorbic Acid may Exacerbate Aspirinâ€induced Increase in Intestinal Permeability. Basic and Clinical Pharmacology and Toxicology, 2015, 117, 195-203.	2.5	11
24	Standardising the Lactulose Mannitol Test of Gut Permeability to Minimise Error and Promote Comparability. PLoS ONE, 2014, 9, e99256.	2.5	88
25	Differential trafficking of saccharidic probes following aspirin in clinical tests of intestinal permeability in young healthy women. Clinical and Experimental Pharmacology and Physiology, 2014, 41, 107-117.	1.9	12
26	Blackcurrant cultivar polyphenolic extracts suppress CCL26 secretion from alveolar epithelial cells. Food and Function, 2014, 5, 671.	4.6	21
27	In vitro studies of modulation of pathogenic and probiotic bacterial proliferation and adhesion to intestinal cells by blackcurrant juices. Journal of Functional Foods, 2014, 8, 35-44.	3.4	24
28	Plant-derived Foods for the Attenuation of Allergic Airway Inflammation. Current Pharmaceutical Design, 2014, 20, 869-878.	1.9	12
29	Cognitive function and blood-brain barrier permeability during exercise in the heat: Effect of fitness and bovine colostrum supplementation. Journal of Thermal Biology, 2013, 38, 374-383.	2.5	7
30	Mucosal permeability testing: response. Neurogastroenterology and Motility, 2013, 25, 855-855.	3.0	0
31	Effect of New Zealand blueberry consumption on recovery from eccentric exercise-induced muscle damage. Journal of the International Society of Sports Nutrition, 2012, 9, 19.	3.9	112
32	Progress in Blueberry Research in New Zealand. International Journal of Fruit Science, 2012, 12, 304-315.	2.4	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. Neurogastroenterology and Motility, 2012, 24, e401-11.	3.0	17
34	Blueberry fruit polyphenolics suppress oxidative stressâ€induced skeletal muscle cell damage in vitro. Molecular Nutrition and Food Research, 2010, 54, 353-363.	3.3	59
35	Blackcurrant proanthocyanidins augment IFNâ€Îłâ€induced suppression of ILâ€4 stimulated CCL26 secretion in alveolar epithelial cells. Molecular Nutrition and Food Research, 2010, 54, S159-70.	3.3	35
36	Evaluating the health benefits of fruits for physical fitness: A research platform. Journal of Berry Research, 2010, 1, 35-44.	1.4	16

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37	Exercise-induced elevation in plasma oxidative generating capability augments the temporal inflammatory response stimulated by lipopolysaccharide. European Journal of Applied Physiology, 2009, 107, 61-72.	2.5	9
38	Post-mortem metmyoglobin reduction in fresh venison. Meat Science, 2007, 75, 53-60.	5.5	25
39	Enteric Glia Regulate Intestinal Barrier Function and Inflammation Via Release of S-Nitrosoglutathione. Gastroenterology, 2007, 132, 1344-1358.	1.3	349
40	Polyphenolic phytochemicals â€“ just antioxidants or much more?. Cellular and Molecular Life Sciences, 2007, 64, 2900-2916.	5.4	457
41	In vitro models for the bloodâ€“brain barrier. Toxicology in Vitro, 2005, 19, 299-334.	2.4	365
42	Peroxynitrite Mediates Nitric Oxideâ€“Induced Bloodâ€“Brain Barrier Damage. Neurochemical Research, 2004, 29, 579-587.	3.3	68
43	The Utility of the Nitric Oxide Electrochemical Sensor in Biomedical Research. Sensors, 2003, 3, 321-329.	3.8	19
44	Activated T cells mediate direct bloodâ€“brain barrier endothelial cell death and dysfunction. NeuroReport, 2002, 13, 2587-2591.	1.2	5
45	Hydrogen peroxide and nitric oxide as signalling molecules in plants. Journal of Experimental Botany, 2002, 53, 1237-1247.	4.8	810
46	Cell signalling following plant/pathogen interactions involves the generation of reactive oxygen and reactive nitrogen species. Plant Physiology and Biochemistry, 2002, 40, 611-617.	5.8	94
47	Preservation of extracellular glutathione by an astrocyte derived factor with properties comparable to extracellular superoxide dismutase. Journal of Neurochemistry, 2002, 83, 984-991.	3.9	49
48	Investigations into the Mechanism of Action of a Novel Nitric Oxide Generator on Cellular Respiration. Journal of Neurochemistry, 2002, 67, 1200-1207.	3.9	20
49	A comparison of the induction of immortalized endothelial cell impermeability by astrocytes. NeuroReport, 2001, 12, 1329-1334.	1.2	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. Brain Research, 2001, 894, 181-188.	2.2	33
51	A useful in vitro blood-brain barrier model. NeuroReport, 2000, 11, L1-L2.	1.2	5
52	NO way back: nitric oxide and programmed cell death in Arabidopsis thaliana suspension cultures. Plant Journal, 2000, 24, 667-677.	5.7	406
53	Astrocyte Nitric Oxide Causes Neuronal Mitochondrial Damage, but Antioxidant Release Limits Neuronal Cell Death. Annals of the New York Academy of Sciences, 1999, 893, 400-403.	3.8	27
54	Upregulation of intercellular adhesion molecule-1 expression on human endothelial cells by tumour necrosis factor-Î± in an in vitro model of the bloodâ€“brain barrier. Brain Research, 1999, 830, 330-336.	2.2	79

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55	Butyric acid mediated induction of enhanced transendothelial resistance in an in vitro model bloodâ€“brain barrier system. Neurochemistry International, 1999, 35, 261-267.	3.8	10
56	Alterations in transendothelial electrical resistance by vasoactive agonists and cyclic AMP in a blood-brain barrier model system. Neurochemical Research, 1998, 23, 149-154.	3.3	47
57	Increased inducible nitric oxide synthase protein but limited nitric oxide formation occurs in astrocytes of the hph-1 (tetrahydrobiopterin deficient) mouse. Brain Research, 1998, 804, 1-6.	2.2	20
58	Decreased endothelial cell glutathione and increased sensitivity to oxidative stress in an in vitro bloodâ€“brain barrier model system. Brain Research, 1998, 802, 232-240.	2.2	36
59	61 An Immortalized In Vitro Model of the Blood-Brain Barrier: Effects of Cellular Differentiating Agents. Biochemical Society Transactions, 1998, 26, S353-S353.	3.4	0
60	119 An Immortalized In Vitro Model of the Blood-Brain Barrier: Glutathione Levels and Sensitivity to Oxidative Stress. Biochemical Society Transactions, 1998, 26, S354-S354.	3.4	0
61	Nitric Oxide-Induced Bloodâ€“Brain Barrier Dysfunction Is Not Mediated by Inhibition of Mitochondrial Respiratory Chain Activity and/or Energy Depletion. Nitric Oxide - Biology and Chemistry, 1997, 1, 121-129.	2.7	33
62	Investigations into the action of a novel nitric oxide donor on cellular respiration. Biochemical Society Transactions, 1996, 24, 460S-460S.	3.4	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. Journal of Cellular Physiology, 1995, 162, 15-25.	4.1	13
65	Glomerular mesangial cell altered contractility in high glucose is Ca2+ independent. Diabetes, 1995, 44, 759-766.	0.6	12
66	Isolated rat glomerular cells demonstrate L-type Ca2+-channel activity. Cell Calcium, 1993, 14, 387-396.	2.4	16
67	Immunoprecipitation of a pertussis toxin substrate of the Go family from rat islets of Langerhans. Bioscience Reports, 1992, 12, 95-100.	2.4	3
68	Evidence for differential effects of noradrenaline and somatostatin on intracellular messenger systems in rat islets of Langerhans. Journal of Molecular Endocrinology, 1990, 4, 231-237.	2.5	17
69	Effects of benextramine on the adrenergic inhibition of insulin secretion in isolated rat pancreatic islets. Journal of Molecular Endocrinology, 1989, 2, 99-105.	2.5	2
70	Calcium handling by stimulated islets of Langerhans. Biochemical Society Transactions, 1989, 17, 64-66.	3.4	1
71	Intracellular events responsible for the inhibition of insulin secretion by somatostatin. Biochemical Society Transactions, 1989, 17, 1085-1086.	3.4	2
72	Dissociation between intracellular calcium mobilization and insulin secretion in isolated rat islets of Langerhans. FEBS Letters, 1988, 227, 153-156.	2.8	3

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73	Effects of Î±-adrenergic antagonists on insulin secretion from rat pancreatic islets. Biochemical Society Transactions, 1988, 16, 1005-1006.	3.4	13
74	Intracellular Ca2+ mobilization in isolated rat islets of Langerhans. Biochemical Society Transactions, 1987, 15, 939-940.	3.4	0