

Wendy M Purcell

List of Publications by Year in descending order

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65
papers

1,874
citations

218677

26
h-index

265206

42
g-index

66
all docs

66
docs citations

66
times ranked

2076
citing authors

#	ARTICLE	IF	CITATIONS
1	Killing of cutaneous microbial species by photodynamic therapy. <i>British Journal of Dermatology</i> , 2001, 144, 274-278.	1.5	233
2	Mast cells in neuroimmune function: Neurotoxicological and neuropharmacological perspectives. <i>Neurochemical Research</i> , 1995, 20, 521-532.	3.3	113
3	Cytotoxic effects of antimicrobial photodynamic therapy on keratinocytes in vitro. <i>British Journal of Dermatology</i> , 2002, 146, 568-573.	1.5	94
4	Antimicrobial photodynamic therapy: assessment of genotoxic effects on keratinocytes in vitro. <i>British Journal of Dermatology</i> , 2003, 148, 229-232.	1.5	75
5	Reactive oxygen species generation and histamine release by activated mast cells: modulation by nitric oxide synthase inhibition. <i>British Journal of Pharmacology</i> , 1999, 128, 585-590.	5.4	74
6	Characterisation of some cytotoxic endpoints using rat liver and HepG2 spheroids as in vitro models and their application in hepatotoxicity studies. I. Glucose metabolism and enzyme release as cytotoxic markers. <i>Toxicology and Applied Pharmacology</i> , 2003, 189, 100-111.	2.8	70
7	Peroxynitrite Mediates Nitric Oxide-Induced Blood-Brain Barrier Damage. <i>Neurochemical Research</i> , 2004, 29, 579-587.	3.3	68
8	Functional three-dimensional HepG2 aggregate cultures generated from an ultrasound trap: Comparison with HepG2 spheroids. <i>Journal of Cellular Biochemistry</i> , 2007, 102, 1180-1189.	2.6	68
9	Direct Measurements of Oxygen Gradients in Spheroid Culture System Using Electron Parametric Resonance Oximetry. <i>PLoS ONE</i> , 2016, 11, e0149492.	2.5	63
10	Association of cytokine single nucleotide polymorphisms with B7 costimulatory molecules in kidney allograft recipients. <i>Pediatric Transplantation</i> , 2002, 6, 69-77.	1.0	53
11	Metabolic Profiling of the Effects of D-Galactosamine in Liver Spheroids Using ¹ H NMR and MAS-NMR Spectroscopy. <i>Chemical Research in Toxicology</i> , 2002, 15, 1351-1359.	3.3	48
12	INCREASED COSTIMULATORY RESPONSES IN AFRICAN-AMERICAN KIDNEY ALLOGRAFT RECIPIENTS. <i>Transplantation</i> , 2001, 71, 692-695.	1.0	44
13	Pharmaceutical Metabolism in Fish: Using a 3-D Hepatic In Vitro Model to Assess Clearance. <i>PLoS ONE</i> , 2017, 12, e0168837.	2.5	44
14	A microband lactate biosensor fabricated using a water-based screen-printed carbon ink. <i>Talanta</i> , 2009, 77, 1149-1154.	5.5	42
15	Towards a more representative in vitro method for fish ecotoxicology: morphological and biochemical characterisation of three-dimensional spheroidal hepatocytes. <i>Ecotoxicology</i> , 2012, 21, 2419-2429.	2.4	41
16	A novel source of mast cells: The human placenta. <i>Agents and Actions</i> , 1991, 33, 8-12.	0.7	40
17	Nociceptin/orphanin FQ modulates human T cell function in vitro. <i>Journal of Neuroimmunology</i> , 2004, 149, 110-120.	2.3	40
18	Characterisation of some cytotoxic endpoints using rat liver and HepG2 spheroids as in vitro models and their application in hepatotoxicity studies. II. Spheroid cell spreading inhibition as a new cytotoxic marker. <i>Toxicology and Applied Pharmacology</i> , 2003, 189, 112-119.	2.8	36

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19	Comparison of Histamine and 5-Hydroxytryptamine Content and Secretion in Rat Mast Cells Isolated from Different Anatomical Locations. <i>International Archives of Allergy and Immunology</i> , 1989, 90, 382-386.	2.1	32
20	Biochemical and functional changes of rat liver spheroids during spheroid formation and maintenance in culture: I. morphological maturation and kinetic changes of energy metabolism, albumin synthesis, and activities of some enzymes. <i>Journal of Cellular Biochemistry</i> , 2003, 90, 1166-1175.	2.6	32
21	Characterisation of a functional polyamine site on rat mast cells: association with a NMDA receptor macrocomplex. <i>Journal of Neuroimmunology</i> , 1996, 65, 49-53.	2.3	30
22	Peripheral blood antigen-presenting cells from African-Americans exhibit increased CD80 and CD86 expression. <i>Clinical and Experimental Immunology</i> , 1999, 118, 247-252.	2.6	30
23	Fabrication and characterisation of novel screen-printed tubular microband electrodes, and their application to the measurement of hydrogen peroxide. <i>Electrochimica Acta</i> , 2007, 52, 7248-7253.	5.2	30
24	Higher education and the COVID-19 pandemic: navigating disruption using the sustainable development goals. <i>Discover Sustainability</i> , 2021, 2, 6.	2.8	30
25	Internal carotid artery haemodynamics in women with polycystic ovaries. <i>Clinical Science</i> , 2000, 98, 661-665.	4.3	29
26	Internal carotid-artery response to 5% carbon dioxide in women with polycystic ovaries. <i>Lancet</i> , The, 2000, 356, 1166-1167.	13.7	28
27	Application of the rainbow trout derived intestinal cell line (RTgutGC) for ecotoxicological studies: molecular and cellular responses following exposure to copper. <i>Ecotoxicology</i> , 2017, 26, 1117-1133.	2.4	26
28	Uterine artery blood flow parameters in women with dysfunctional uterine bleeding and uterine fibroids: the effects of tranexamic acid. <i>Ultrasound in Obstetrics and Gynecology</i> , 1998, 11, 283-285.	1.7	25
29	Differential release of histamine and 5-hydroxytryptamine from rat mast cells: The contribution of amine uptake to the apparent pattern of secretion. <i>Agents and Actions</i> , 1990, 30, 38-40.	0.7	21
30	Evaluation of the role of P-glycoprotein in inflammation induced blood-brain barrier damage. <i>NeuroReport</i> , 2002, 13, 2593-2597.	1.2	21
31	New models for the In vitro assessment of neurotoxicity in the nervous system and the preliminary validation stages of a "tiered-test" model. <i>Toxicology in Vitro</i> , 1993, 7, 569-580.	2.4	19
32	Energy metabolism and biotransformation as endpoints to pre-screen hepatotoxicity using a liver spheroid model. <i>Toxicology and Applied Pharmacology</i> , 2006, 216, 293-302.	2.8	18
33	Biochemical and functional changes of rat liver spheroids during spheroid formation and maintenance in culture: II. nitric oxide synthesis and related changes. <i>Journal of Cellular Biochemistry</i> , 2003, 90, 1176-1185.	2.6	17
34	Nociceptin-induced modulation of human T cell function. <i>Peptides</i> , 2009, 30, 926-934.	2.4	17
35	Electrophysiological measurements in three-dimensional in vivo-mimetic organotypic cell cultures: Preliminary studies with hen embryo brain spheroids. <i>Neuroscience Letters</i> , 2006, 404, 33-38.	2.1	16
36	Contribution of Post-Secretory Mechanisms to the Observed Pattern of Histamine and 5-Hydroxytryptamine Secretion from Peritoneal Rat Mast Cells in Response to Compound 48/80. <i>International Archives of Allergy and Immunology</i> , 1989, 90, 387-394.	2.1	14

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37	Rat brain mast cells: an in vitro paradigm for assessing the toxic effects of neurotropic therapeutics. <i>NeuroToxicology</i> , 1996, 17, 845-50.	3.0	14
38	Catalyzing Transformational Partnerships for the SDGs: Effectiveness and Impact of the Multi-Stakeholder Initiative El dAa despuA@s. <i>Sustainability</i> , 2020, 12, 7189.	3.2	13
39	Optimizing the enzymatic determination of galactose in the culture medium of rat liver and HepG2 cell spheroids. <i>Analytical Biochemistry</i> , 2002, 311, 179-181.	2.4	12
40	Human placental mast cells: A role in pre-eclampsia?. <i>Medical Hypotheses</i> , 1992, 39, 281-283.	1.5	11
41	Manipulation of in vitro toxicant sensors in an ultrasonic standing wave. <i>Toxicology in Vitro</i> , 2004, 18, 115-120.	2.4	11
42	Human Placental Mast Cells as an In Vitro Model System in Aspects of Neuro-Immunotoxicity Testing. <i>Human and Experimental Toxicology</i> , 1994, 13, 429-433.	2.2	10
43	Cryopreservation of Organotypic Brain Spheroid Cultures. <i>ATLA Alternatives To Laboratory Animals</i> , 2003, 31, 563-573.	1.0	10
44	Disruption and distinctiveness in higher education. <i>Perspectives: Policy and Practice in Higher Education</i> , 2014, 18, 3-8.	0.6	10
45	Differentiation of English universities: the impact of policy reforms in driving a more diverse higher education landscape. <i>Perspectives: Policy and Practice in Higher Education</i> , 2016, 20, 24-33.	0.6	10
46	The activity of amitriptyline as a differential inhibitor of amine secretion from rat peritoneal mast cells: The contribution of amine uptake. <i>Agents and Actions</i> , 1990, 30, 41-43.	0.7	9
47	Pharmacokinetic Factors and Concentration-Time Threshold in m-Dinitrobenzene-Induced Neurotoxicity. <i>Toxicology and Applied Pharmacology</i> , 1999, 161, 267-273.	2.8	9
48	Preliminary characterisation of an in vitro paradigm for the study of the delayed effects of organophosphorus compounds: hen embryo brain spheroids. <i>Toxicology</i> , 2004, 195, 187-202.	4.2	8
49	Spheroid Size Does not Impact Metabolism of the β -blocker Propranolol in 3D Intestinal Fish Model. <i>Frontiers in Pharmacology</i> , 2018, 9, 947.	3.5	8
50	A Conceptual Framework of Leadership and Governance in Sustaining Entrepreneurial Universities Illustrated with Case Material from a Retrospective Review of a University's Strategic Transformation: The Enterprise University. , 2019, , 243-260.		8
51	Histamine release from mast cells by polyamines: an NMDA receptor-mediated event?. <i>Biochemical Society Transactions</i> , 1994, 22, 398S-398S.	3.4	7
52	In-vitro maintenance and functionality of primary renal tubules and their application in the study of relative renal toxicity of nephrotoxic drugs. <i>Journal of Pharmacological and Toxicological Methods</i> , 2013, 68, 269-274.	0.7	6
53	Activated T cells mediate direct blood-brain barrier endothelial cell death and dysfunction. <i>NeuroReport</i> , 2002, 13, 2587-2591.	1.2	5
54	Colony stimulating factors regulate nitric oxide and prostaglandin E2 production in rat cartilage chondrocytes. <i>International Journal of Tissue Reactions</i> , 1999, 21, 113-9.	0.2	4

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55	Neurotoxic Potentiation Is Related to a Metabolic Interaction between p-Bromophenylacetylurea and Phenylmethanesulfonyl Fluoride. <i>Toxicology and Applied Pharmacology</i> , 1999, 157, 222-226.	2.8	3
56	Avian whole-brain spheroid cultures: applications in pesticide toxicity. <i>Pest Management Science</i> , 2000, 56, 825-827.	3.4	3
57	Handling the health impacts of extreme climate events. <i>Environmental Sciences Europe</i> , 2022, 34, .	5.5	3
58	Rodent and human mast cells as an in vitro model in neuroimmunotoxicity testing. <i>Toxicology in Vitro</i> , 1994, 8, 627-630.	2.4	1
59	Application of the high-performance liquid chromatographic method for separation, purification and characterisation of p-bromophenylacetylurea and its metabolites. <i>Biomedical Applications</i> , 1999, 732, 349-356.	1.7	1
60	Granulocyte-colony stimulating factor decreases glycosaminoglycan concentration and increases nitric oxide production in rat articular cartilage. <i>Inflammation Research</i> , 1999, 48, 126-127.	4.0	1
61	Exploring a Culture of Health in the Auto Industry. <i>Sustainability</i> , 2021, 13, 3924.	3.2	1
62	Editorial from the Editor-in-Chief to Introduce the Journal. <i>Merits</i> , 2021, 1, 3-4.	0.8	1
63	Absorption, distribution, metabolism and excretion of p-bromophenylacetylurea in the female rat. <i>Xenobiotica</i> , 2000, 30, 307-315.	1.1	0
64	Editorial from the Editor-in-Chief: People Matter!. <i>Merits</i> , 2022, 2, 18-20.	0.8	0
65	Using the SDGs to Reset Travel and Tourism after COVID-19: Adopting a Culture of Health. , 2022, 15, .		0