

Simon McArthur

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

3,437
citations

201674

27
h-index

206112

48
g-index

57
all docs

57
docs citations

57
times ranked

4982
citing authors

#	ARTICLE	IF	CITATIONS
1	Estrogen Actions in the Brain and the Basis for Differential Action in Men and Women: A Case for Sex-Specific Medicines. <i>Pharmacological Reviews</i> , 2010, 62, 155-198.	16.0	567
2	Microbiome–host systems interactions: protective effects of propionate upon the blood–brain barrier. <i>Microbiome</i> , 2018, 6, 55.	11.1	324
3	Ligand-specific conformational change of the G-protein–coupled receptor ALX/FPR2 determines proresolving functional responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18232-18237.	7.1	252
4	Identification of an essential endogenous regulator of blood–brain barrier integrity, and its pathological and therapeutic implications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 832-841.	7.1	175
5	Annexin A1: A Central Player in the Anti-Inflammatory and Neuroprotective Role of Microglia. <i>Journal of Immunology</i> , 2010, 185, 6317-6328.	0.8	173
6	Dose- and sex-dependent effects of the neurotoxin 6-hydroxydopamine on the nigrostriatal dopaminergic pathway of adult rats: differential actions of estrogen in males and females. <i>Neuroscience</i> , 2003, 116, 213-222.	2.3	162
7	Annexin A1 drives macrophage skewing to accelerate muscle regeneration through AMPK activation. <i>Journal of Clinical Investigation</i> , 2020, 130, 1156-1167.	8.2	112
8	Estrogen protects the blood–brain barrier from inflammation-induced disruption and increased lymphocyte trafficking. <i>Brain, Behavior, and Immunity</i> , 2016, 51, 212-222.	4.1	111
9	Sex dimorphisms in the neuroprotective effects of estrogen in an animal model of Parkinson's disease. <i>Pharmacology Biochemistry and Behavior</i> , 2004, 78, 513-522.	2.9	109
10	The Size and Distribution of Midbrain Dopaminergic Populations are Permanently Altered by Perinatal Glucocorticoid Exposure in a Sex- Region- and Time-Specific Manner. <i>Neuropsychopharmacology</i> , 2007, 32, 1462-1476.	5.4	109
11	Nonredundant protective properties of FPR2/ALX in polymicrobial murine sepsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18685-18690.	7.1	106
12	Sex-dependent diversity in ventral tegmental dopaminergic neurons and developmental programming: A molecular, cellular and behavioral analysis. <i>Neuroscience</i> , 2014, 282, 69-85.	2.3	93
13	Oestrogen and immunomodulation: new mechanisms that impact on peripheral and central immunity. <i>Current Opinion in Pharmacology</i> , 2013, 13, 576-581.	3.5	91
14	Endogenous annexin A1 is a novel protective determinant in nonalcoholic steatohepatitis in mice. <i>Hepatology</i> , 2014, 60, 531-544.	7.3	85
15	Altered Mesencephalic Dopaminergic Populations in Adulthood as a Consequence of Brief Perinatal Glucocorticoid Exposure. <i>Journal of Neuroendocrinology</i> , 2005, 17, 475-482.	2.6	76
16	Annexin A1 in the brain – undiscovered roles?. <i>Trends in Pharmacological Sciences</i> , 2008, 29, 135-142.	8.7	76
17	Independent influences of sex steroids of systemic and central origin in a rat model of Parkinson's disease: A contribution to sex-specific neuroprotection by estrogens. <i>Hormones and Behavior</i> , 2010, 57, 23-34.	2.1	72
18	Regulation of blood–brain barrier integrity by microbiome-associated methylamines and cognition by trimethylamine N-oxide. <i>Microbiome</i> , 2021, 9, 235.	11.1	65

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19	Definition of a Novel Pathway Centered on Lysophosphatidic Acid To Recruit Monocytes during the Resolution Phase of Tissue Inflammation. <i>Journal of Immunology</i> , 2015, 195, 1139-1151.	0.8	60
20	Striatal susceptibility to a dopaminergic neurotoxin is independent of sex hormone effects on cell survival and DAT expression but is exacerbated by central aromatase inhibition. <i>Journal of Neurochemistry</i> , 2007, 100, 678-692.	3.9	53
21	Immune Escape in Glioblastoma Multiforme and the Adaptation of Immunotherapies for Treatment. <i>Frontiers in Immunology</i> , 2020, 11, 582106.	4.8	50
22	Prazosin, an α_1 -adrenoceptor antagonist, prevents memory deterioration in the APP23 transgenic mouse model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2013, 34, 1105-1115.	3.1	49
23	The restorative role of annexin A1 at the blood-brain barrier. <i>Fluids and Barriers of the CNS</i> , 2016, 13, 17.	5.0	41
24	Chemerin15 inhibits neutrophil-mediated vascular inflammation and myocardial ischemia-reperfusion injury through ChemR23. <i>EMBO Reports</i> , 2013, 14, 999-1007.	4.5	40
25	Annexin A1 regulates hormone exocytosis through a mechanism involving actin reorganization. <i>FASEB Journal</i> , 2009, 23, 4000-4010.	0.5	34
26	Annexin A1 N-Terminal Derived Peptide Ac2-26 Exerts Chemokinetic Effects on Human Neutrophils. <i>Frontiers in Pharmacology</i> , 2012, 3, 28.	3.5	32
27	Cromoglycate drugs suppress eicosanoid generation in U937 cells by promoting the release of Anx-A1. <i>Biochemical Pharmacology</i> , 2009, 77, 1814-1826.	4.4	31
28	Antenatal Glucocorticoid Treatment Induces Adaptations in Adult Midbrain Dopamine Neurons, which Underpin Sexually Dimorphic Behavioral Resilience. <i>Neuropsychopharmacology</i> , 2014, 39, 339-350.	5.4	28
29	Estrogen Promotes Pro-resolving Microglial Behavior and Phagocytic Cell Clearance Through the Actions of Annexin A1. <i>Frontiers in Endocrinology</i> , 2019, 10, 420.	3.5	28
30	Perinatal Glucocorticoid Treatment Disrupts the Hypothalamo-Lactotroph Axis in Adult Female, But Not Male, Rats. <i>Endocrinology</i> , 2006, 147, 1904-1915.	2.8	21
31	Immuno-metabolic impact of the multiple sclerosis patients' sera on endothelial cells of the blood-brain barrier. <i>Journal of Neuroinflammation</i> , 2020, 17, 153.	7.2	20
32	Modeling Cardiac Dysfunction Following Traumatic Hemorrhage Injury: Impact on Myocardial Integrity. <i>Frontiers in Immunology</i> , 2019, 10, 2774.	4.8	19
33	Identification of a Novel Recycling Sequence in the C-tail of FPR2/ALX Receptor. <i>Journal of Biological Chemistry</i> , 2014, 289, 36166-36178.	3.4	18
34	Impact of metabolic disorders on the structural, functional, and immunological integrity of the blood-brain barrier: Therapeutic avenues. <i>FASEB Journal</i> , 2022, 36, e22107.	0.5	16
35	Anti-allergic drugs and the Annexin-A1 system. <i>Pharmacological Reports</i> , 2010, 62, 511-517.	3.3	15
36	A host-gut microbial amino acid co-metabolite, p-cresol glucuronide, promotes blood-brain barrier integrity <i>in vivo</i> . <i>Tissue Barriers</i> , 2023, 11, .	3.2	15

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37	Novel Ontogenetic Patterns of Sexual Differentiation in Arcuate Nucleus GHRH Neurons Revealed in GHRH-Enhanced Green Fluorescent Protein Transgenic Mice. <i>Endocrinology</i> , 2011, 152, 607-617.	2.8	10
38	Activin subfamily peptides predict chronological age in humans. <i>Physiological Reports</i> , 2018, 6, e13823.	1.7	10
39	Reversal of β -Amyloid-Induced Microglial Toxicity <i>In Vitro</i> by Activation of Fpr2/3. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-13.	4.0	10
40	Analysis of circulating protein aggregates as a route of investigation into neurodegenerative disorders. <i>Brain Communications</i> , 2021, 3, fcab148.	3.3	10
41	Peripheral vs. Central Sex Steroid Hormones in Experimental Parkinson's Disease. <i>Frontiers in Endocrinology</i> , 2011, 2, 82.	3.5	9
42	Sex-specific disruption of murine midbrain astrocytic and dopaminergic developmental trajectories following antenatal GC treatment. <i>Brain Structure and Function</i> , 2016, 221, 2459-2475.	2.3	8
43	Desmoglein-3 acts as a pro-survival protein by suppressing reactive oxygen species and doming whilst augmenting the tight junctions in MDCK cells. <i>Mechanisms of Ageing and Development</i> , 2019, 184, 111174.	4.6	8
44	Astroglial Plasticity Is Implicated in Hippocampal Remodelling in Adult Rats Exposed to Antenatal Dexamethasone. <i>Neural Plasticity</i> , 2015, 2015, 1-8.	2.2	7
45	Exploiting formyl peptide receptor 2 to promote microglial resolution: a new approach to Alzheimer's disease treatment. <i>FEBS Journal</i> , 2022, 289, 1801-1822.	4.7	6
46	Counteractive effects of antenatal glucocorticoid treatment on D1 receptor modulation of spatial working memory. <i>Psychopharmacology</i> , 2016, 233, 3751-3761.	3.1	5
47	Annexin A1 supplementation prevents the progression to fibrosis of nonalcoholic steatohepatitis (NASH). <i>Journal of Hepatology</i> , 2017, 66, S608.	3.7	2