Simon McArthur

List of Publications by Year
in descending order

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	A hostâ€“gut microbial amino acid co-metabolite, p-cresol glucuronide, promotes bloodâ€“brain barrier integrity in vivo. Tissue Barriers, 2023, 11, .	3.2	15
2	Exploiting formyl peptide receptor 2 to promote microglial resolution: a new approach to Alzheimerâ€™s disease treatment. FEBS Journal, 2022, 289, 1801-1822.	4.7	6
3	Impact of metabolic disorders on the structural, functional, and immunological integrity of the bloodâ€brain barrier: Therapeutic avenues. FASEB Journal, 2022, 36, e22107.	0.5	16
4	Analysis of circulating protein aggregates as a route of investigation into neurodegenerative disorders. Brain Communications, 2021, 3, fcab148.	3.3	10
5	Regulation of bloodâ€“brain barrier integrity by microbiome-associated methylamines and cognition by trimethylamine N-oxide. Microbiome, 2021, 9, 235.	11.1	65
6	Immune Escape in Glioblastoma Multiforme and the Adaptation of Immunotherapies for Treatment. Frontiers in Immunology, 2020, 11, 582106.	4.8	50
7	Immuno-metabolic impact of the multiple sclerosis patientsâ€™ sera on endothelial cells of the blood-brain barrier. Journal of Neuroinflammation, 2020, 17, 153.	7.2	20
8	Reversal of Î²-Amyloid-Induced Microglial Toxicity In Vitro by Activation of Fpr2/3. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-13.	4.0	10
9	Annexin A1 drives macrophage skewing to accelerate muscle regeneration through AMPK activation. Journal of Clinical Investigation, 2020, 130, 1156-1167.	8.2	112
10	Estrogen Promotes Pro-resolving Microglial Behavior and Phagocytic Cell Clearance Through the Actions of Annexin A1. Frontiers in Endocrinology, 2019, 10, 420.	3.5	28
11	Desmoglein-3 acts as a pro-survival protein by suppressing reactive oxygen species and doming whilst augmenting the tight junctions in MDCK cells. Mechanisms of Ageing and Development, 2019, 184, 111174.	4.6	8
12	Modeling Cardiac Dysfunction Following Traumatic Hemorrhage Injury: Impact on Myocardial Integrity. Frontiers in Immunology, 2019, 10, 2774.	4.8	19
13	Activin subfamily peptides predict chronological age in humans. Physiological Reports, 2018, 6, e13823.	1.7	10
14	Microbiomeâ€“host systems interactions: protective effects of propionate upon the bloodâ€“brain barrier. Microbiome, 2018, 6, 55.	11.1	324
15	Annexin A1 supplementation prevents the progression to fibrosis of nonalcoholic steatoepatitis (NASH). Journal of Hepatology, 2017, 66, S608.	3.7	2
16	Counteractive effects of antenatal glucocorticoid treatment on D1 receptor modulation of spatial working memory. Psychopharmacology, 2016, 233, 3751-3761.	3.1	5
17	The restorative role of annexin A1 at the bloodâ€“brain barrier. Fluids and Barriers of the CNS, 2016, 13, 17.	5.0	41
18	Sex-specific disruption of murine midbrain astrocytic and dopaminergic developmental trajectories following antenatal GC treatment. Brain Structure and Function, 2016, 221, 2459-2475.	2.3	8

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19	Estrogen protects the bloodâ€“brain barrier from inflammation-induced disruption and increased lymphocyte trafficking. Brain, Behavior, and Immunity, 2016, 51, 212-222.	4.1	111
20	Astroglial Plasticity Is Implicated in Hippocampal Remodelling in Adult Rats Exposed to Antenatal Dexamethasone. Neural Plasticity, 2015, 2015, 1-8.	2.2	7
21	Definition of a Novel Pathway Centered on Lysophosphatidic Acid To Recruit Monocytes during the Resolution Phase of Tissue Inflammation. Journal of Immunology, 2015, 195, 1139-1151.	0.8	60
22	Identification of a Novel Recycling Sequence in the C-tail of FPR2/ALX Receptor. Journal of Biological Chemistry, 2014, 289, 36166-36178.	3.4	18
23	Antenatal Glucocorticoid Treatment Induces Adaptations in Adult Midbrain Dopamine Neurons, which Underpin Sexually Dimorphic Behavioral Resilience. Neuropsychopharmacology, 2014, 39, 339-350.	5.4	28
24	Nonredundant protective properties of FPR2/ALX in polymicrobial murine sepsis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18685-18690.	7.1	106
25	Endogenous annexin A1 is a novel protective determinant in nonalcoholic steatohepatitis in mice. Hepatology, 2014, 60, 531-544.	7.3	85
26	Sex-dependent diversity in ventral tegmental dopaminergic neurons and developmental programing: A molecular, cellular and behavioral analysis. Neuroscience, 2014, 282, 69-85.	2.3	93
27	Chemerin15 inhibits neutrophilâ€mediated vascular inflammation and myocardial ischemiaâ€reperfusion injury through ChemR23. EMBO Reports, 2013, 14, 999-1007.	4.5	40
28	Prazosin, an Î±1-adrenoceptor antagonist, prevents memory deterioration in the APP23 transgenic mouse model of Alzheimer's disease. Neurobiology of Aging, 2013, 34, 1105-1115.	3.1	49
29	Oestrogen and immunomodulation: new mechanisms that impact on peripheral and central immunity. Current Opinion in Pharmacology, 2013, 13, 576-581.	3.5	91
30	Identification of an essential endogenous regulator of bloodâ€“brain barrier integrity, and its pathological and therapeutic implications. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 832-841.	7.1	175
31	Ligand-specific conformational change of the G-proteinâ€“coupled receptor ALX/FPR2 determines proresolving functional responses. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18232-18237.	7.1	252
32	Annexin A1 N-Terminal Derived Peptide Ac2-26 Exerts Chemokinetic Effects on Human Neutrophils. Frontiers in Pharmacology, 2012, 3, 28.	3.5	32
33	Peripheral vs. Central Sex Steroid Hormones in Experimental Parkinson?s Disease. Frontiers in Endocrinology, 2011, 2, 82.	3.5	9
34	Novel Ontogenetic Patterns of Sexual Differentiation in Arcuate Nucleus GHRH Neurons Revealed in GHRH-Enhanced Green Fluorescent Protein Transgenic Mice. Endocrinology, 2011, 152, 607-617.	2.8	10
35	Estrogen Actions in the Brain and the Basis for Differential Action in Men and Women: A Case for Sex-Specific Medicines. Pharmacological Reviews, 2010, 62, 155-198.	16.0	567
36	Annexin A1: A Central Player in the Anti-Inflammatory and Neuroprotective Role of Microglia. Journal of Immunology, 2010, 185, 6317-6328.	0.8	173

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37	Anti-allergic drugs and the Annexin-A1 system. Pharmacological Reports, 2010, 62, 511-517.	3.3	15
38	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. Hormones and Behavior, 2010, 57, 23-34.	2.1	72
39	Annexin A1 regulates hormone exocytosis through a mechanism involving actin reorganization. FASEB Journal, 2009, 23, 4000-4010.	0.5	34
40	Cromoglycate drugs suppress eicosanoid generation in U937 cells by promoting the release of Anx-A1. Biochemical Pharmacology, 2009, 77, 1814-1826.	4.4	31
41	Annexin A1 in the brain â€“ undiscovered roles?. Trends in Pharmacological Sciences, 2008, 29, 135-142.	8.7	76
42	The Size and Distribution of Midbrain Dopaminergic Populations are Permanently Altered by Perinatal Glucocorticoid Exposure in a Sex- Region- and Time-Specific Manner. Neuropsychopharmacology, 2007, 32, 1462-1476.	5.4	109
43	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. Journal of Neurochemistry, 2007, 100, 678-692.	3.9	53
44	Perinatal Glucocorticoid Treatment Disrupts the Hypothalamo-Lactotroph Axis in Adult Female, But Not Male, Rats. Endocrinology, 2006, 147, 1904-1915.	2.8	21
45	Altered Mesencephalic Dopaminergic Populations in Adulthood as a Consequence of Brief Perinatal Glucocorticoid Exposure. Journal of Neuroendocrinology, 2005, 17, 475-482.	2.6	76
46	Sex dimorphisms in the neuroprotective effects of estrogen in an animal model of Parkinson's disease. Pharmacology Biochemistry and Behavior, 2004, 78, 513-522.	2.9	109
47	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. Neuroscience, 2003, 116, 213-222.	2.3	162