Carlos Fitzsimons

List of Publications by Year
in descending order

Version: 2024-02-01

75 papers	3,218 citations	136950 32 h-index	161849 54 g-index
79 all docs	79 docs citations	79 times ranked	4682 citing authors

#	Article	IF	Citations
1	An emerging role for microglia in stressâ€effects on memory. European Journal of Neuroscience, 2022, 55, 2491-2518.	2.6	23
2	Astrocyte-targeted gene delivery of interleukin 2 specifically increases brain-resident regulatory T cell numbers and protects against pathological neuroinflammation. Nature Immunology, 2022, 23, 878-891.	14.5	59
3	Early life stress decreases cell proliferation and the number of putative adult neural stem cells in the adult hypothalamus. Stress, 2021, 24, 189-195.	1.8	13
4	The continued need for animals to advance brain research. Neuron, 2021, 109, 2374-2379.	8.1	36
5	Glucocorticoids Promote Fear Generalization by Increasing the Size of a Dentate Gyrus Engram Cell Population. Biological Psychiatry, 2021, 90, 494-504.	1.3	35
6	Neurogenesis in the adult hypothalamus: A distinct form of structural plasticity involved in metabolic and circadian regulation, with potential relevance for human pathophysiology. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2021, 179, 125-140.	1.8	17
7	Antihistamines Potentiate Dexamethasone Anti-Inflammatory Effects. Impact on Glucocorticoid Receptor-Mediated Expression of Inflammation-Related Genes. Cells, 2021, 10, 3026.	4.1	6
8	Adult Neural Stem Cell Regulation by Small Non-coding RNAs: Physiological Significance and Pathological Implications. Frontiers in Cellular Neuroscience, 2021, 15, 781434.	3.7	7
9	Circadian glucocorticoid oscillations preserve a population of adult hippocampal neural stem cells in the aging brain. Molecular Psychiatry, 2020, 25, 1382-1405.	7.9	58
10	Adult neurogenesis, human after all (again): Classic, optimized, and future approaches. Behavioural Brain Research, 2020, 381, 112458.	2.2	69
11	How the COVID-19 pandemic highlights the necessity of animal research. Current Biology, 2020, 30, R1014-R1018.	3.9	26
12	Editorial: Functional Adult Neurogenesis. Frontiers in Neuroscience, 2020, 14, 885.	2.8	0
13	Editorial: Glial and Neural Stem Cells as New Therapeutic Targets for Neurodegenerative Disorders. Frontiers in Cellular Neuroscience, 2020, 14, 71.	3.7	5
14	Azelastine potentiates antiasthmatic dexamethasone effect on a murine asthma model. Pharmacology Research and Perspectives, 2019, 7, e00531.	2.4	8
15	Insult-induced aberrant hippocampal neurogenesis: Functional consequences and possible therapeutic strategies. Behavioural Brain Research, 2019, 372, 112032.	2.2	33
16	Co-administration of Anti microRNA-124 and -137 Oligonucleotides Prevents Hippocampal Neural Stem Cell Loss Upon Non-convulsive Seizures. Frontiers in Molecular Neuroscience, 2019, 12, 31.	2.9	17
17	A Model of Glucocorticoid Receptor Interaction With Coregulators Predicts Transcriptional Regulation of Target Genes. Frontiers in Pharmacology, 2019, 10, 214.	3.5	13
18	The orphan nuclear receptor TLX: an emerging master regulator of cross-talk between microglia and neural precursor cells. Neuronal Signaling, 2019, 3, NS20180208.	3.2	5

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19	Glucocorticoidâ€mediated modulation of morphological changes associated with aging in microglia. Aging Cell, 2018, 17, e12790.	6.7	30
20	Configurations of the Reâ€scan Confocal Microscope (RCM) for biomedical applications. Journal of Microscopy, 2017, 266, 166-177.	1.8	14
21	Transcription factor oscillations in neural stem cells: Implications for accurate control of gene expression. Neurogenesis (Austin, Tex), 2017, 4, e1262934.	1.5	8
22	Gene regulation in adult neural stem cells. Current challenges and possible applications. Advanced Drug Delivery Reviews, 2017, 120, 118-132.	13.7	24
23	miRNA-Mediated Regulation of Adult Hippocampal Neurogenesis; Implications for Epilepsy. Brain Plasticity, 2017, 3, 43-59.	3.5	33
24	A Standardized Protocol for Stereotaxic Intrahippocampal Administration of Kainic Acid Combined with Electroencephalographic Seizure Monitoring in Mice. Frontiers in Neuroscience, 2017, 11, 160.	2.8	27
25	microRNA-Mediated Regulation of Adult Hippocampal Neurogenesis; Implications for Hippocampus-dependent Cognition and Related Disorders?. , 2017, , 155-176.		0
26	Epigenetic Mechanisms Regulating the Transition from Embryonic Stem Cells Towards a Differentiated Neural Progeny. , 2016, , 151-173.		0
27	Circadian and ultradian glucocorticoid rhythmicity: Implications for the effects of glucocorticoids on neural stem cells and adult hippocampal neurogenesis. Frontiers in Neuroendocrinology, 2016, 41, 44-58.	5.2	46
28	Multi-omics profile of the mouse dentate gyrus after kainic acid-induced status epilepticus. Scientific Data, 2016, 3, 160068.	5.3	24
29	MicroRNA-124 and -137 cooperativity controls caspase-3 activity through BCL2L13 in hippocampal neural stem cells. Scientific Reports, 2015, 5, 12448.	3.3	63
30	Effects of histamine H1 receptor signaling on glucocorticoid receptor activity. Role of canonical and non-canonical pathways. Scientific Reports, 2015, 5, 17476.	3.3	14
31	Regulation of Adult Neurogenesis and Plasticity by (Early) Stress, Glucocorticoids, and Inflammation. Cold Spring Harbor Perspectives in Biology, 2015, 7, a021303.	5.5	123
32	Applying Information Theory to Neuronal Networks: From Theory to Experiments. Entropy, 2014, 16, 5721-5737.	2.2	6
33	Environmental Control of Adult Neurogenesis: From Hippocampal Homeostasis to Behavior and Disease. Neural Plasticity, 2014, 2014, 1-3.	2.2	12
34	Different subsets of newborn granule cells: a possible role in epileptogenesis?. European Journal of Neuroscience, 2014, 39, 1-11.	2.6	48
35	Epigenetically regulated microRNAs in Alzheimer's disease. Neurobiology of Aging, 2014, 35, 731-745.	3.1	105
36	Epigenetic regulation of adult neural stem cells: implications for Alzheimerâ€™s disease. Molecular Neurodegeneration, 2014, 9, 25.	10.8	55

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37	Imaging Dendritic Spines of Rat Primary Hippocampal Neurons using Structured Illumination Microscopy. Journal of Visualized Experiments, 2014, , .	0.3	6
38	Antihistaminergics and inverse agonism: Potential therapeutic applications. European Journal of Pharmacology, 2013, 715, 26-32.	3.5	19
39	Perinatal programming of adult hippocampal structure and function; emerging roles of stress, nutrition and epigenetics. Trends in Neurosciences, 2013, 36, 621-631.	8.6	157
40	microRNAs and the regulation of neuronal plasticity under stress conditions. Neuroscience, 2013, 241, 188-205.	2.3	58
41	Stressing new neurons into depression?. Molecular Psychiatry, 2013, 18, 396-397.	7.9	26
42	Knockdown of the glucocorticoid receptor alters functional integration of newborn neurons in the adult hippocampus and impairs fear-motivated behavior. Molecular Psychiatry, 2013, 18, 993-1005.	7.9	129
43	Silencing of Doublecortin-Like (DCL) Results in Decreased Mitochondrial Activity and Delayed Neuroblastoma Tumor Growth. PLoS ONE, 2013, 8, e75752.	2.5	11
44	Inhibition of adult neurogenesis through ERK5 knockdown impairs complex hippocampus-dependent spatial memory tasks. Future Neurology, 2012, 7, 531-535.	0.5	2
45	Combining Doublecortin-Like Kinase Silencing and Vinca Alkaloids Results in a Synergistic Apoptotic Effect in Neuroblastoma Cells. Journal of Pharmacology and Experimental Therapeutics, 2012, 342, 119-130.	2.5	9
46	Early-life stress mediated modulation of adult neurogenesis and behavior. Behavioural Brain Research, 2012, 227, 400-409.	2.2	167
47	New Neurons in Aging Brains: Molecular Control by Small Non-Coding RNAs. Frontiers in Neuroscience, 2012, 6, 25.	2.8	61
48	Nuclear receptors and microRNAs: Who regulates the regulators in neural stem cells?. FEBS Letters, 2011, 585, 717-722.	2.8	16
49	Neuroblastoma therapy: what is in the pipeline?. Endocrine-Related Cancer, 2011, 18, R213-R231.	3.1	25
50	An adeno-associated viral vector transduces the rat hypothalamus and amygdala more efficient than a lentiviral vector. BMC Neuroscience, 2010, 11, 81.	1.9	11
51	Silencing of the microtubule-associated proteins doublecortin-like and doublecortin-like kinase-long induces apoptosis in neuroblastoma cells. Endocrine-Related Cancer, 2010, 17, 399-414.	3.1	33
52	The Doublecortin Gene Family and Disorders of Neuronal Structure. Central Nervous System Agents in Medicinal Chemistry, 2010, 10, 32-46.	1.1	59
53	MicroRNA 18 and 124a Down-Regulate the Glucocorticoid Receptor: Implications for Glucocorticoid Responsiveness in the Brain. Endocrinology, 2009, 150, 2220-2228.	2.8	234
54	Antiglucocorticoids, Neurogenesis and Depression. Mini-Reviews in Medicinal Chemistry, 2009, 9, 249-264.	2.4	17

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55	The Human Cytomegalovirusâ€“Encoded Chemokine Receptor US28 Promotes Angiogenesis and Tumor Formation via Cyclooxygenase-2. Cancer Research, 2009, 69, 2861-2869.	0.9	139
56	Lentivirus-mediated transgene delivery to the hippocampus reveals sub-field specific differences in expression. BMC Neuroscience, 2009, 10, 2.	1.9	34
57	Identification of new Nerve Growth Factor-responsive immediate-early genes. Brain Research, 2009, 1249, 19-33.	2.2	50
58	Glucocorticoid signaling and stress-related limbic susceptibility pathway: About receptors, transcription machinery and microRNA. Brain Research, 2009, 1293, 129-141.	2.2	112
59	Immunomodulation by herpesvirus U51A chemokine receptor via CCL5 and FOGâ€2 downâ€regulation plus XCR1 and CCR7 mimicry in human leukocytes. European Journal of Immunology, 2008, 38, 763-777.	2.9	37
60	Temporal and functional dynamics of the transcriptome during nerve growth factorâ€induced differentiation. Journal of Neurochemistry, 2008, 105, 2388-2403.	3.9	37
61	The Microtubule-Associated Protein Doublecortin-Like Regulates the Transport of the Glucocorticoid Receptor in Neuronal Progenitor Cells. Molecular Endocrinology, 2008, 22, 248-262.	3.7	46
62	Noncompetitive Antagonism and Inverse Agonism as Mechanism of Action of Nonpeptidergic Antagonists at Primate and Rodent CXCR3 Chemokine Receptors. Journal of Pharmacology and Experimental Therapeutics, 2008, 325, 544-555.	2.5	57
63	Doublecortinâ€like, a microtubuleâ€associated protein expressed in radial glia, is crucial for neuronal precursor division and radial process stability. European Journal of Neuroscience, 2007, 25, 635-648.	2.6	65
64	A potential role for calciumâ€Š/â€Šcalmodulinâ€dependent protein kinaseâ€related peptide in neuronal apoptosis: inâ€ƒvivo and inâ€ƒvitro evidence. European Journal of Neuroscience, 2007, 26, 3411-3420.	2.6	17
65	Chemokine-Directed Trafficking of Receptor Stimulus to Different G Proteins: Selective Inducible and Constitutive Signaling by Human Herpesvirus 6-Encoded Chemokine Receptor U51. Molecular Pharmacology, 2006, 69, 888-898.	2.3	33
66	Mepyramine, a Histamine H1 Receptor Inverse Agonist, Binds Preferentially to a G Protein-coupled Form of the Receptor and Sequesters G Protein. Journal of Biological Chemistry, 2004, 279, 34431-34439.	3.4	57
67	Differential Activation of Murine Herpesvirus 68- and Kaposi's Sarcoma-Associated Herpesvirus-Encoded ORF74 G Protein-Coupled Receptors by Human and Murine Chemokines. Journal of Virology, 2004, 78, 3343-3351.	3.4	46
68	Constitutive Signaling of the Human Cytomegalovirus-encoded Receptor UL33 Differs from That of Its Rat Cytomegalovirus Homolog R33 by Promiscuous Activation of G Proteins of the Gq, Gi, and Gs Classes. Journal of Biological Chemistry, 2003, 278, 50010-50023.	3.4	85
69	Regulation of phospholipase C activation by the number of H2 receptors during Ca2+-induced differentiation of mouse keratinocytes. Biochemical Pharmacology, 2002, 63, 1785-1796.	4.4	29
70	Inhibition of human primary melanoma cell proliferation by histamine is enhanced by interleukin-6. European Journal of Clinical Investigation, 2002, 32, 743-749.	3.4	38
71	Histamine deficiency induces tissue-specific down-regulation of histamine H2 receptor expression in histidine decarboxylase knockout mice. FEBS Letters, 2001, 508, 245-248.	2.8	26
72	Histamine as an autocrine growth factor: an unusual role for a widespread mediator. Seminars in Cancer Biology, 2000, 10, 15-23.	9.6	88

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73	Atypical association of H 1 and H 2 histamine receptors with signal transduction pathways during multistage mouse skin carcinogenesis. Inflammation Research, 1997, 46, 292-298.	4.0	20
74	Histamine as an autocrine growth factor in experimental mammary carcinomas. Agents and Actions, 1994, 43, 17-20.	0.7	61
75	Effect of histamine on growth and differentiation of the rat mammary gland. Agents and Actions, 1994, 41, C115-C117.	0.7	27