

Carlos Fitzsimons

List of Publications by Year in descending order

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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	MicroRNA 18 and 124a Down-Regulate the Glucocorticoid Receptor: Implications for Glucocorticoid Responsiveness in the Brain. <i>Endocrinology</i> , 2009, 150, 2220-2228.	2.8	234
2	Early-life stress mediated modulation of adult neurogenesis and behavior. <i>Behavioural Brain Research</i> , 2012, 227, 400-409.	2.2	167
3	Perinatal programming of adult hippocampal structure and function; emerging roles of stress, nutrition and epigenetics. <i>Trends in Neurosciences</i> , 2013, 36, 621-631.	8.6	157
4	The Human Cytomegalovirus-Encoded Chemokine Receptor US28 Promotes Angiogenesis and Tumor Formation via Cyclooxygenase-2. <i>Cancer Research</i> , 2009, 69, 2861-2869.	0.9	139
5	Knockdown of the glucocorticoid receptor alters functional integration of newborn neurons in the adult hippocampus and impairs fear-motivated behavior. <i>Molecular Psychiatry</i> , 2013, 18, 993-1005.	7.9	129
6	Regulation of Adult Neurogenesis and Plasticity by (Early) Stress, Glucocorticoids, and Inflammation. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a021303.	5.5	123
7	Glucocorticoid signaling and stress-related limbic susceptibility pathway: About receptors, transcription machinery and microRNA. <i>Brain Research</i> , 2009, 1293, 129-141.	2.2	112
8	Epigenetically regulated microRNAs in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2014, 35, 731-745.	3.1	105
9	Histamine as an autocrine growth factor: an unusual role for a widespread mediator. <i>Seminars in Cancer Biology</i> , 2000, 10, 15-23.	9.6	88
10	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. <i>Journal of Biological Chemistry</i> , 2003, 278, 50010-50023.	3.4	85
11	Adult neurogenesis, human after all (again): Classic, optimized, and future approaches. <i>Behavioural Brain Research</i> , 2020, 381, 112458.	2.2	69
12	Doublecortin-like, a microtubule-associated protein expressed in radial glia, is crucial for neuronal precursor division and radial process stability. <i>European Journal of Neuroscience</i> , 2007, 25, 635-648.	2.6	65
13	MicroRNA-124 and -137 cooperativity controls caspase-3 activity through BCL2L13 in hippocampal neural stem cells. <i>Scientific Reports</i> , 2015, 5, 12448.	3.3	63
14	Histamine as an autocrine growth factor in experimental mammary carcinomas. <i>Agents and Actions</i> , 1994, 43, 17-20.	0.7	61
15	New Neurons in Aging Brains: Molecular Control by Small Non-Coding RNAs. <i>Frontiers in Neuroscience</i> , 2012, 6, 25.	2.8	61
16	The Doublecortin Gene Family and Disorders of Neuronal Structure. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2010, 10, 32-46.	1.1	59
17	Astrocyte-targeted gene delivery of interleukin 2 specifically increases brain-resident regulatory T cell numbers and protects against pathological neuroinflammation. <i>Nature Immunology</i> , 2022, 23, 878-891.	14.5	59
18	microRNAs and the regulation of neuronal plasticity under stress conditions. <i>Neuroscience</i> , 2013, 241, 188-205.	2.3	58

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19	Circadian glucocorticoid oscillations preserve a population of adult hippocampal neural stem cells in the aging brain. <i>Molecular Psychiatry</i> , 2020, 25, 1382-1405.	7.9	58
20	Mepyramine, a Histamine H1 Receptor Inverse Agonist, Binds Preferentially to a G Protein-coupled Form of the Receptor and Sequesters G Protein. <i>Journal of Biological Chemistry</i> , 2004, 279, 34431-34439.	3.4	57
21	Noncompetitive Antagonism and Inverse Agonism as Mechanism of Action of Nonpeptidergic Antagonists at Primate and Rodent CXCR3 Chemokine Receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 325, 544-555.	2.5	57
22	Epigenetic regulation of adult neural stem cells: implications for Alzheimer's disease. <i>Molecular Neurodegeneration</i> , 2014, 9, 25.	10.8	55
23	Identification of new Nerve Growth Factor-responsive immediate-early genes. <i>Brain Research</i> , 2009, 1249, 19-33.	2.2	50
24	Different subsets of newborn granule cells: a possible role in epileptogenesis?. <i>European Journal of Neuroscience</i> , 2014, 39, 1-11.	2.6	48
25	Differential Activation of Murine Herpesvirus 68- and Kaposi's Sarcoma-Associated Herpesvirus-Encoded ORF74 G Protein-Coupled Receptors by Human and Murine Chemokines. <i>Journal of Virology</i> , 2004, 78, 3343-3351.	3.4	46
26	The Microtubule-Associated Protein Doublecortin-Like Regulates the Transport of the Glucocorticoid Receptor in Neuronal Progenitor Cells. <i>Molecular Endocrinology</i> , 2008, 22, 248-262.	3.7	46
27	Circadian and ultradian glucocorticoid rhythmicity: Implications for the effects of glucocorticoids on neural stem cells and adult hippocampal neurogenesis. <i>Frontiers in Neuroendocrinology</i> , 2016, 41, 44-58.	5.2	46
28	Inhibition of human primary melanoma cell proliferation by histamine is enhanced by interleukin-6. <i>European Journal of Clinical Investigation</i> , 2002, 32, 743-749.	3.4	38
29	Immunomodulation by herpesvirus U51A chemokine receptor <i>via</i> CCL5 and FOS downregulation plus XCR1 and CCR7 mimicry in human leukocytes. <i>European Journal of Immunology</i> , 2008, 38, 763-777.	2.9	37
30	Temporal and functional dynamics of the transcriptome during nerve growth factor-induced differentiation. <i>Journal of Neurochemistry</i> , 2008, 105, 2388-2403.	3.9	37
31	The continued need for animals to advance brain research. <i>Neuron</i> , 2021, 109, 2374-2379.	8.1	36
32	Glucocorticoids Promote Fear Generalization by Increasing the Size of a Dentate Gyrus Engram Cell Population. <i>Biological Psychiatry</i> , 2021, 90, 494-504.	1.3	35
33	Lentivirus-mediated transgene delivery to the hippocampus reveals sub-field specific differences in expression. <i>BMC Neuroscience</i> , 2009, 10, 2.	1.9	34
34	Chemokine-Directed Trafficking of Receptor Stimulus to Different G Proteins: Selective Inducible and Constitutive Signaling by Human Herpesvirus 6-Encoded Chemokine Receptor U51. <i>Molecular Pharmacology</i> , 2006, 69, 888-898.	2.3	33
35	Silencing of the microtubule-associated proteins doublecortin-like and doublecortin-like kinase-long induces apoptosis in neuroblastoma cells. <i>Endocrine-Related Cancer</i> , 2010, 17, 399-414.	3.1	33
36	miRNA-Mediated Regulation of Adult Hippocampal Neurogenesis; Implications for Epilepsy. <i>Brain Plasticity</i> , 2017, 3, 43-59.	3.5	33

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37	Insult-induced aberrant hippocampal neurogenesis: Functional consequences and possible therapeutic strategies. <i>Behavioural Brain Research</i> , 2019, 372, 112032.	2.2	33
38	Glucocorticoid-mediated modulation of morphological changes associated with aging in microglia. <i>Aging Cell</i> , 2018, 17, e12790.	6.7	30
39	Regulation of phospholipase C activation by the number of H2 receptors during Ca ²⁺ -induced differentiation of mouse keratinocytes. <i>Biochemical Pharmacology</i> , 2002, 63, 1785-1796.	4.4	29
40	Effect of histamine on growth and differentiation of the rat mammary gland. <i>Agents and Actions</i> , 1994, 41, C115-C117.	0.7	27
41	A Standardized Protocol for Stereotaxic Intrahippocampal Administration of Kainic Acid Combined with Electroencephalographic Seizure Monitoring in Mice. <i>Frontiers in Neuroscience</i> , 2017, 11, 160.	2.8	27
42	Histamine deficiency induces tissue-specific down-regulation of histamine H2 receptor expression in histidine decarboxylase knockout mice. <i>FEBS Letters</i> , 2001, 508, 245-248.	2.8	26
43	Stressing new neurons into depression?. <i>Molecular Psychiatry</i> , 2013, 18, 396-397.	7.9	26
44	How the COVID-19 pandemic highlights the necessity of animal research. <i>Current Biology</i> , 2020, 30, R1014-R1018.	3.9	26
45	Neuroblastoma therapy: what is in the pipeline?. <i>Endocrine-Related Cancer</i> , 2011, 18, R213-R231.	3.1	25
46	Multi-omics profile of the mouse dentate gyrus after kainic acid-induced status epilepticus. <i>Scientific Data</i> , 2016, 3, 160068.	5.3	24
47	Gene regulation in adult neural stem cells. Current challenges and possible applications. <i>Advanced Drug Delivery Reviews</i> , 2017, 120, 118-132.	13.7	24
48	An emerging role for microglia in stress-effects on memory. <i>European Journal of Neuroscience</i> , 2022, 55, 2491-2518.	2.6	23
49	Atypical association of H 1 and H 2 histamine receptors with signal transduction pathways during multistage mouse skin carcinogenesis. <i>Inflammation Research</i> , 1997, 46, 292-298.	4.0	20
50	Antihistaminergics and inverse agonism: Potential therapeutic applications. <i>European Journal of Pharmacology</i> , 2013, 715, 26-32.	3.5	19
51	A potential role for calcium/calmodulin-dependent protein kinase-related peptide in neuronal apoptosis: <i>in vivo</i> and <i>in vitro</i> evidence. <i>European Journal of Neuroscience</i> , 2007, 26, 3411-3420.	2.6	17
52	Antiglucocorticoids, Neurogenesis and Depression. <i>Mini-Reviews in Medicinal Chemistry</i> , 2009, 9, 249-264.	2.4	17
53	Co-administration of Anti microRNA-124 and -137 Oligonucleotides Prevents Hippocampal Neural Stem Cell Loss Upon Non-convulsive Seizures. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 31.	2.9	17
54	Neurogenesis in the adult hypothalamus: A distinct form of structural plasticity involved in metabolic and circadian regulation, with potential relevance for human pathophysiology. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2021, 179, 125-140.	1.8	17

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55	Nuclear receptors and microRNAs: Who regulates the regulators in neural stem cells?. FEBS Letters, 2011, 585, 717-722.	2.8	16
56	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
57	Configurations of the Reâ€scan Confocal Microscope (RCM) for biomedical applications. Journal of Microscopy, 2017, 266, 166-177.	1.8	14
58	A Model of Glucocorticoid Receptor Interaction With Coregulators Predicts Transcriptional Regulation of Target Genes. Frontiers in Pharmacology, 2019, 10, 214.	3.5	13
59	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
60	Environmental Control of Adult Neurogenesis: From Hippocampal Homeostasis to Behavior and Disease. Neural Plasticity, 2014, 2014, 1-3.	2.2	12
61	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
62	Silencing of Doublecortin-Like (DCL) Results in Decreased Mitochondrial Activity and Delayed Neuroblastoma Tumor Growth. PLoS ONE, 2013, 8, e75752.	2.5	11
63	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
64	Transcription factor oscillations in neural stem cells: Implications for accurate control of gene expression. Neurogenesis (Austin, Tex), 2017, 4, e1262934.	1.5	8
65	Azelastine potentiates antiasthmatic dexamethasone effect on a murine asthma model. Pharmacology Research and Perspectives, 2019, 7, e00531.	2.4	8
66	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
67	Applying Information Theory to Neuronal Networks: From Theory to Experiments. Entropy, 2014, 16, 5721-5737.	2.2	6
68	Imaging Dendritic Spines of Rat Primary Hippocampal Neurons using Structured Illumination Microscopy. Journal of Visualized Experiments, 2014, , .	0.3	6
69	Antihistamines Potentiate Dexamethasone Anti-Inflammatory Effects. Impact on Glucocorticoid Receptor-Mediated Expression of Inflammation-Related Genes. Cells, 2021, 10, 3026.	4.1	6
70	Editorial: Glial and Neural Stem Cells as New Therapeutic Targets for Neurodegenerative Disorders. Frontiers in Cellular Neuroscience, 2020, 14, 71.	3.7	5
71	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
72	Inhibition of adult neurogenesis through ERK5 knockdown impairs complex hippocampus-dependent spatial memory tasks. Future Neurology, 2012, 7, 531-535.	0.5	2

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73	Epigenetic Mechanisms Regulating the Transition from Embryonic Stem Cells Towards a Differentiated Neural Progeny. , 2016, , 151-173.		0
74	microRNA-Mediated Regulation of Adult Hippocampal Neurogenesis; Implications for Hippocampus-dependent Cognition and Related Disorders?. , 2017, , 155-176.		0
75	Editorial: Functional Adult Neurogenesis. Frontiers in Neuroscience, 2020, 14, 885.	2.8	0