

Rupert W Overall

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

2,027
citations

279798

23
h-index

302126

39
g-index

50
all docs

50
docs citations

50
times ranked

3268
citing authors

#	ARTICLE	IF	CITATIONS
1	Cognitive and Physical Activity Differently Modulate Disease Progression in the Amyloid Precursor Protein (APP)-23 Model of Alzheimer's Disease. <i>Biological Psychiatry</i> , 2006, 60, 1314-1323.	1.3	271
2	Retinal Organoids from Pluripotent Stem Cells Efficiently Recapitulate Retinogenesis. <i>Stem Cell Reports</i> , 2016, 6, 525-538.	4.8	236
3	Towards a "free radical theory of graying": melanocyte apoptosis in the aging human hair follicle is an indicator of oxidative stress induced tissue damage. <i>FASEB Journal</i> , 2006, 20, 1567-1569.	0.5	226
4	Cdk5 Regulates Accurate Maturation of Newborn Granule Cells in the Adult Hippocampus. <i>PLoS Biology</i> , 2008, 6, e272.	5.6	112
5	Genetics of the hippocampal transcriptome in mouse: a systematic survey and online neurogenomics resource. <i>Frontiers in Neuroscience</i> , 2009, 3, 55.	2.8	84
6	Prolactin Stimulates Precursor Cells in the Adult Mouse Hippocampus. <i>PLoS ONE</i> , 2012, 7, e44371.	2.5	68
7	Exercise-Induced Activated Platelets Increase Adult Hippocampal Precursor Proliferation and Promote Neuronal Differentiation. <i>Stem Cell Reports</i> , 2019, 12, 667-679.	4.8	68
8	p75 Neurotrophin Receptor-Mediated Signaling Promotes Human Hair Follicle Regression (Catagen). <i>American Journal of Pathology</i> , 2006, 168, 221-234.	3.8	64
9	FASN-Dependent Lipid Metabolism Links Neurogenic Stem/Progenitor Cell Activity to Learning and Memory Deficits. <i>Cell Stem Cell</i> , 2020, 27, 98-109.e11.	11.1	62
10	Lysophosphatidic Acid Receptor Is a Functional Marker of Adult Hippocampal Precursor Cells. <i>Stem Cell Reports</i> , 2016, 6, 552-565.	4.8	61
11	Control of Human Hair Growth by Neurotrophins: Brain-Derived Neurotrophic Factor Inhibits Hair Shaft Elongation, Induces Catagen, and Stimulates Follicular Transforming Growth Factor β 2 Expression. <i>Journal of Investigative Dermatology</i> , 2005, 124, 675-685.	0.7	59
12	Selenium mediates exercise-induced adult neurogenesis and reverses learning deficits induced by hippocampal injury and aging. <i>Cell Metabolism</i> , 2022, 34, 408-423.e8.	16.2	58
13	ROS Dynamics Delineate Functional States of Hippocampal Neural Stem Cells and Link to Their Activity-Dependent Exit from Quiescence. <i>Cell Stem Cell</i> , 2021, 28, 300-314.e6.	11.1	55
14	COVID19 Disease Map, a computational knowledge repository of virus-host interaction mechanisms. <i>Molecular Systems Biology</i> , 2021, 17, e10387.	7.2	53
15	Adult hippocampal neurogenesis and plasticity in the infrapyramidal bundle of the mossy fiber projection: I. Co-regulation by activity. <i>Frontiers in Neuroscience</i> , 2011, 5, 107.	2.8	48
16	Early-life environmental enrichment generates persistent individualized behavior in mice. <i>Science Advances</i> , 2020, 6, eabb1478.	10.3	43
17	The Mammalian Adult Neurogenesis Gene Ontology (MANGO) Provides a Structural Framework for Published Information on Genes Regulating Adult Hippocampal Neurogenesis. <i>PLoS ONE</i> , 2012, 7, e48527.	2.5	41
18	Dystrophin in Adult Zebrafish Muscle. <i>Biochemical and Biophysical Research Communications</i> , 2001, 286, 478-483.	2.1	38

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19	Different Mechanisms Must Be Considered to Explain the Increase in Hippocampal Neural Precursor Cell Proliferation by Physical Activity. <i>Frontiers in Neuroscience</i> , 2016, 10, 362.	2.8	36
20	Systems genetics identifies Hp1bp3 as a novel modulator of cognitive aging. <i>Neurobiology of Aging</i> , 2016, 46, 58-67.	3.1	34
21	Delayed and Transient Increase of Adult Hippocampal Neurogenesis by Physical Exercise in DBA/2 Mice. <i>PLoS ONE</i> , 2013, 8, e83797.	2.5	32
22	Acute effects of wheel running on adult hippocampal precursor cells in mice are not caused by changes in cell cycle length or S phase length. <i>Frontiers in Neuroscience</i> , 2014, 8, 314.	2.8	31
23	Environmental enrichment preserves a young DNA methylation landscape in the aged mouse hippocampus. <i>Nature Communications</i> , 2021, 12, 3892.	12.8	29
24	The $\hat{\pm}$ Crystallin Domain of Small Heat Shock Protein b8 (Hspb8) Acts as Survival and Differentiation Factor in Adult Hippocampal Neurogenesis. <i>Journal of Neuroscience</i> , 2013, 33, 5785-5796.	3.6	27
25	<i>De novo</i> DNA methylation controls neuronal maturation during adult hippocampal neurogenesis. <i>EMBO Journal</i> , 2021, 40, e107100.	7.8	24
26	Silencing of the <i>WFS1</i> gene in HEK cells induces pathways related to neurodegeneration and mitochondrial damage. <i>Physiological Genomics</i> , 2013, 45, 182-190.	2.3	21
27	Folate deficiency increases mtDNA and D-1 mtDNA deletion in aged brain of mice lacking uracil-DNA glycosylase. <i>Experimental Neurology</i> , 2011, 228, 253-258.	4.1	16
28	Apple Peel and Flesh Contain Pro-neurogenic Compounds. <i>Stem Cell Reports</i> , 2021, 16, 548-565.	4.8	16
29	Adult hippocampal neurogenesis and plasticity in the infrapyramidal bundle of the mossy fiber projection: II. Genetic covariation and identification of <i>Nos1</i> as linking candidate gene. <i>Frontiers in Neuroscience</i> , 2011, 5, 106.	2.8	14
30	Integrative Analysis of Low- and High-Resolution eQTL. <i>PLoS ONE</i> , 2010, 5, e13920.	2.5	12
31	Transcript co-variance with Nestin in two mouse genetic reference populations identifies <i>Lef1</i> as a novel candidate regulator of neural precursor cell proliferation in the adult hippocampus. <i>Frontiers in Neuroscience</i> , 2014, 8, 418.	2.8	11
32	Systems Genetics Analysis of a Recombinant Inbred Mouse Cell Culture Panel Reveals Wnt Pathway Member <i>Lrp6</i> as a Regulator of Adult Hippocampal Precursor Cell Proliferation. <i>Stem Cells</i> , 2016, 34, 674-684.	3.2	7
33	The Small World of Adult Hippocampal Neurogenesis. <i>Frontiers in Neuroscience</i> , 2018, 12, 641.	2.8	7
34	Collaborative mining of public data resources in neuroinformatics. <i>Frontiers in Neuroscience</i> , 2015, 9, 90.	2.8	6
35	The systemic exercise-released chemokine lymphotactin/XCL1 modulates in vitro adult hippocampal precursor cell proliferation and neuronal differentiation. <i>Scientific Reports</i> , 2019, 9, 11831.	3.3	6
36	AsthmaMap: An interactive knowledge repository for mechanisms of asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 853-856.	2.9	6

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37	Whole-Genome Expression Analysis of Human Mesenchymal Stromal Cells Exposed to Ultrasmooth Tantalum vs. Titanium Oxide Surfaces. Cellular and Molecular Bioengineering, 2013, 6, 199-209.	2.1	4
38	Systems genetics in the rat HXB/BXH family identifies Tti2 as a pleiotropic quantitative trait gene for adult hippocampal neurogenesis and serum glucose. PLoS Genetics, 2022, 18, e1009638.	3.5	3
39	Workshop report: INCF short course on neuroinformatics, neurogenomics, and brain disease, 14-21 September 2013. Frontiers in Neuroscience, 2015, 9, 31.	2.8	2
40	Workshop Report: Systems Genetics of Neurodegenerative Disease, a Summer School in Systems Medicine, 25th August-1st September 2017. Frontiers in Genetics, 2019, 10, 29.	2.3	0
41	Integrating Multidimensional Data Sources to Identify Genes Regulating Complex Phenotypes. Methods in Molecular Biology, 2017, 1488, 239-250.	0.9	0