

Johannes Bohacek

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6435476/publications.pdf>

Version: 2024-02-01

48
papers

3,974
citations

201658

27
h-index

254170

43
g-index

57
all docs

57
docs citations

57
times ranked

4770
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiomic profiling of the acute stress response in the mouse hippocampus. <i>Nature Communications</i> , 2022, 13, 1824.	12.8	32
2	Deep-learning-based identification, tracking, pose estimation and behaviour classification of interacting primates and mice in complex environments. <i>Nature Machine Intelligence</i> , 2022, 4, 331-340.	16.0	31
3	Big behavior: challenges and opportunities in a new era of deep behavior profiling. <i>Neuropsychopharmacology</i> , 2021, 46, 33-44.	5.4	80
4	The Acute Stress Response in the Multiomic Era. <i>Biological Psychiatry</i> , 2021, 89, 1116-1126.	1.3	29
5	Single paternal dexamethasone challenge programs offspring metabolism and reveals multiple candidates in RNA-mediated inheritance. <i>IScience</i> , 2021, 24, 102870.	4.1	20
6	Pervasive compartment-specific regulation of gene expression during homeostatic synaptic scaling. <i>EMBO Reports</i> , 2021, 22, e52094.	4.5	13
7	Chronic adolescent stress increases exploratory behavior but does not appear to change the acute stress response in adult male C57BL/6 mice. <i>Neurobiology of Stress</i> , 2021, 15, 100388.	4.0	3
8	Optogenetic activation of striatal D1R and D2R cells differentially engages downstream connected areas beyond the basal ganglia. <i>Cell Reports</i> , 2021, 37, 110161.	6.4	15
9	Sperm RNA: Quo vadis?. <i>Seminars in Cell and Developmental Biology</i> , 2020, 97, 123-130.	5.0	25
10	Apold1 deficiency associates with increased arterial thrombosis in vivo. <i>European Journal of Clinical Investigation</i> , 2020, 50, e13191.	3.4	8
11	Deep learning-based behavioral analysis reaches human accuracy and is capable of outperforming commercial solutions. <i>Neuropsychopharmacology</i> , 2020, 45, 1942-1952.	5.4	107
12	The locus coeruleus on stress: Bridging the translational gap. <i>Alzheimer's and Dementia</i> , 2020, 16, e038073.	0.8	0
13	A complete pupillometry toolbox for real-time monitoring of locus coeruleus activity in rodents. <i>Nature Protocols</i> , 2020, 15, 2301-2320.	12.0	46
14	Rapid Reconfiguration of the Functional Connectome after Chemogenetic Locus Coeruleus Activation. <i>Neuron</i> , 2019, 103, 702-718.e5.	8.1	198
15	Exploratory rearing: a context- and stress-sensitive behavior recorded in the open-field test. <i>Stress</i> , 2018, 21, 443-452.	1.8	280
16	Distinct Proteomic, Transcriptomic, and Epigenetic Stress Responses in Dorsal and Ventral Hippocampus. <i>Biological Psychiatry</i> , 2018, 84, 531-541.	1.3	106
17	Interplay between TETs and microRNAs in the adult brain for memory formation. <i>Scientific Reports</i> , 2018, 8, 1678.	3.3	27
18	Paternal experience impacts cognitive function in offspring: a pre-existing concept. <i>Molecular Psychiatry</i> , 2018, 23, 794-795.	7.9	3

#	ARTICLE	IF	CITATIONS
19	Epigenetic germline inheritance in mammals: looking to the past to understand the future. <i>Genes, Brain and Behavior</i> , 2018, 17, e12407.	2.2	48
20	Transgenerational epigenetic inheritance: from biology to society – Summary Latsis Symposium Aug 28 – 30, 2017, Zürich, Switzerland. <i>Environmental Epigenetics</i> , 2018, 4, dvy012.	1.8	4
21	Transgenerational transmission and modification of pathological traits induced by prenatal immune activation. <i>Molecular Psychiatry</i> , 2017, 22, 102-112.	7.9	131
22	A guide to designing germline-dependent epigenetic inheritance experiments in mammals. <i>Nature Methods</i> , 2017, 14, 243-249.	19.0	69
23	Dissecting stress with transcriptomics. <i>Oncotarget</i> , 2017, 8, 10783-10784.	1.8	1
24	Epigenetic Risk Factors for Diseases: A Transgenerational Perspective. <i>Epigenetics and Human Health</i> , 2016, , 79-119.	0.2	3
25	Rapid stress-induced transcriptomic changes in the brain depend on beta-adrenergic signaling. <i>Neuropharmacology</i> , 2016, 107, 329-338.	4.1	37
26	Stress does not increase blood-brain barrier permeability in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1304-1315.	4.3	35
27	Potential of Environmental Enrichment to Prevent Transgenerational Effects of Paternal Trauma. <i>Neuropsychopharmacology</i> , 2016, 41, 2749-2758.	5.4	135
28	Probing the germline-dependence of epigenetic inheritance using artificial insemination in mice. <i>Environmental Epigenetics</i> , 2016, 2, dvv015.	1.8	13
29	Molecular insights into transgenerational non-genetic inheritance of acquired behaviours. <i>Nature Reviews Genetics</i> , 2015, 16, 641-652.	16.3	256
30	Hippocampal gene expression induced by cold swim stress depends on sex and handling. <i>Psychoneuroendocrinology</i> , 2015, 52, 1-12.	2.7	51
31	Pathological brain plasticity and cognition in the offspring of males subjected to postnatal traumatic stress. <i>Molecular Psychiatry</i> , 2015, 20, 621-631.	7.9	96
32	Distinct molecular components for thalamic- and cortical-dependent plasticity in the lateral amygdala. <i>Frontiers in Molecular Neuroscience</i> , 2014, 7, 62.	2.9	11
33	Epigenetics of Memory and Plasticity. <i>Progress in Molecular Biology and Translational Science</i> , 2014, 122, 305-340.	1.7	53
34	Implication of sperm RNAs in transgenerational inheritance of the effects of early trauma in mice. <i>Nature Neuroscience</i> , 2014, 17, 667-669.	14.8	1,067
35	Epigenetic regulation in neurodevelopment and neurodegenerative diseases. <i>Neuroscience</i> , 2014, 264, 99-111.	2.3	80
36	Early life stress in fathers improves behavioural flexibility in their offspring. <i>Nature Communications</i> , 2014, 5, 5466.	12.8	140

#	ARTICLE	IF	CITATIONS
37	Epigenetic Inheritance of Disease and Disease Risk. <i>Neuropsychopharmacology</i> , 2013, 38, 220-236.	5.4	140
38	Transgenerational Epigenetic Effects on Brain Functions. <i>Biological Psychiatry</i> , 2013, 73, 313-320.	1.3	118
39	Epigenetic Inheritance in Mammals. <i>Research and Perspectives in Neurosciences</i> , 2012, , 55-62.	0.4	0
40	The beneficial effects of estradiol on attentional processes are dependent on timing of treatment initiation following ovariectomy in middle-aged rats. <i>Psychoneuroendocrinology</i> , 2010, 35, 694-705.	2.7	58
41	Transient Estradiol Exposure during Middle Age in Ovariectomized Rats Exerts Lasting Effects on Cognitive Function and the Hippocampus. <i>Endocrinology</i> , 2010, 151, 1194-1203.	2.8	90
42	The critical period hypothesis of estrogen effects on cognition: Insights from basic research. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 1068-1076.	2.4	84
43	Transient Estradiol Exposure during Middle Age in Ovariectomized Rats Exerts Lasting Effects on Cognitive Function and the Hippocampus. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, 979-979.	3.6	0
44	The Ability of Oestradiol Administration to Regulate Protein Levels of Oestrogen Receptor Alpha in the Hippocampus and Prefrontal Cortex of Middle-aged Rats is Altered Following Long-term Ovarian Hormone Deprivation. <i>Journal of Neuroendocrinology</i> , 2009, 21, 640-647.	2.6	70
45	Long-term Ovarian Hormone Deprivation Alters the Ability of Subsequent Oestradiol Replacement to Regulate Choline Acetyltransferase Protein Levels in the Hippocampus and Prefrontal Cortex of Middle-aged Rats. <i>Journal of Neuroendocrinology</i> , 2008, 20, 1023-1027.	2.6	69
46	Increased daily handling of ovariectomized rats enhances performance on a radial-maze task and obscures effects of estradiol replacement. <i>Hormones and Behavior</i> , 2007, 52, 237-243.	2.1	58
47	Optogenetic Activation of Striatal D1/D2 Medium Spiny Neurons Differentially Engages Downstream Connected Areas Beyond the Basal Ganglia. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
48	Rapid Reconfiguration of the Functional Connectome after Chemogenetic Locus Coeruleus Activation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1