

Ajay S Mathuru

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,045
citations

687363

13
h-index

454955

30
g-index

40
all docs

40
docs citations

40
times ranked

1295
citing authors

#	ARTICLE	IF	CITATIONS
1	Chondroitin Fragments Are Odorants that Trigger Fear Behavior in Fish. <i>Current Biology</i> , 2012, 22, 538-544.	3.9	209
2	The Habenula Prevents Helpless Behavior in Larval Zebrafish. <i>Current Biology</i> , 2010, 20, 2211-2216.	3.9	172
3	The Alarm Response in Zebrafish: Innate Fear in a Vertebrate Genetic Model. <i>Journal of Neurogenetics</i> , 2008, 22, 211-228.	1.4	86
4	The medial habenula as a regulator of anxiety in adult zebrafish. <i>Frontiers in Neural Circuits</i> , 2013, 7, 99.	2.8	77
5	The Right Dorsal Habenula Limits Attraction to an Odor in Zebrafish. <i>Current Biology</i> , 2014, 24, 1167-1175.	3.9	69
6	A role for ERKII in synaptic pattern selectivity on the time-scale of minutes. <i>European Journal of Neuroscience</i> , 2004, 20, 2671-2680.	2.6	61
7	Tactile stimulation reduces fear in fish. <i>Frontiers in Behavioral Neuroscience</i> , 2013, 7, 167.	2.0	41
8	An Automated Assay System to Study Novel Tank Induced Anxiety. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 180.	2.0	38
9	Loss-of-function mutations in UDP-Glucose 6-Dehydrogenase cause recessive developmental epileptic encephalopathy. <i>Nature Communications</i> , 2020, 11, 595.	12.8	35
10	A Spectrum of Models of Signaling Pathways. <i>ChemBioChem</i> , 2004, 5, 1365-1374.	2.6	31
11	Application of optogenetic Amyloid- β^2 distinguishes between metabolic and physical damages in neurodegeneration. <i>ELife</i> , 2020, 9, .	6.0	31
12	Disruption of Esrom and Ryk identifies the roof plate boundary as an intermediate target for commissure formation. <i>Molecular and Cellular Neurosciences</i> , 2008, 37, 271-283.	2.2	20
13	Conspecific injury raises an alarm in medaka. <i>Scientific Reports</i> , 2016, 6, 36615.	3.3	17
14	Why behavioral neuroscience still needs diversity?: A curious case of a persistent need. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 116, 130-141.	6.1	16
15	Modeling Alzheimer's and Other Age Related Human Diseases in Embryonic Systems. <i>Journal of Developmental Biology</i> , 2018, 6, 1.	1.7	15
16	Neural correlates of state transitions elicited by a chemosensory danger cue. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 111, 110110.	4.8	15
17	A Neurexin2aa deficiency results in axon pathfinding defects and increased anxiety in zebrafish. <i>Human Molecular Genetics</i> , 2021, 29, 3765-3780.	2.9	15
18	A Microfluidic Device to Sort Cells Based on Dynamic Response to a Stimulus. <i>PLoS ONE</i> , 2013, 8, e78261.	2.5	12

#	ARTICLE	IF	CITATIONS
19	A little rein on addiction. <i>Seminars in Cell and Developmental Biology</i> , 2018, 78, 120-129.	5.0	12
20	Loss of C2orf69 defines a fatal autoinflammatory syndrome in humans and zebrafish that evokes a glycogen-storage-associated mitochondriopathy. <i>American Journal of Human Genetics</i> , 2021, 108, 1301-1317.	6.2	11
21	Synaptic Plasticity In Vitro and In Silico: Insights into an Intracellular Signaling Maze. <i>Physiology</i> , 2006, 21, 289-296.	3.1	8
22	Design, challenges, and the potential of transcriptomics to understand social behavior. <i>Environmental Epigenetics</i> , 2020, 66, 321-330.	1.8	6
23	Contingent stimulus delivery assay for zebrafish reveals a role for CCSER1 in alcohol preference. <i>Addiction Biology</i> , 2022, 27, e13126.	2.6	6
24	HOX epimutations driven by maternal SMCHD1/LRIF1 haploinsufficiency trigger homeotic transformations in genetically wildtype offspring. <i>Nature Communications</i> , 2022, 13, .	12.8	5
25	Computational geometric tools for quantitative comparison of locomotory behavior. <i>Scientific Reports</i> , 2019, 9, 16585.	3.3	4
26	Total Recall: Lateral Habenula and Psychedelics in the Study of Depression and Comorbid Brain Disorders. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6525.	4.1	4
27	Optogenetic approaches for understanding homeostatic and degenerative processes in Drosophila. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 5865-5880.	5.4	4
28	A novel zebrafish model for intermediate type spinal muscular atrophy demonstrates importance of Smn for maintenance of mature motor neurons. <i>Human Molecular Genetics</i> , 2021, 30, 2488-2502.	2.9	3
29	Whole-Exome Sequencing to Identify Potential Genetic Risk in Substance Use Disorders: A Pilot Feasibility Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 2810.	2.4	1
30	Social plasticity and decision making. <i>Brain Research</i> , 2022, 1785, 147890.	2.2	0