

Mazahir T Hasan

List of Publications by Year in descending order

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30
papers

3,227
citations

304602

22
h-index

454834

30
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all docs

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docs citations

30
times ranked

4579
citing authors

#	ARTICLE	IF	CITATIONS
1	The Claustrum is Involved in Cognitive Processes Related to the Classical Conditioning of Eyelid Responses in Behaving Rabbits. <i>Cerebral Cortex</i> , 2021, 31, 281-300.	1.6	24
2	Astrocytic p38 $\hat{\pm}$ MAPK drives NMDA receptor-dependent long-term depression and modulates long-term memory. <i>Nature Communications</i> , 2019, 10, 2968.	5.8	66
3	A Fear Memory Engram and Its Plasticity in the Hypothalamic Oxytocin System. <i>Neuron</i> , 2019, 103, 133-146.e8.	3.8	97
4	Cellular cholesterol homeostasis and Alzheimer's disease. <i>Journal of Lipid Research</i> , 2017, 58, 2239-2254.	2.0	106
5	D4 Receptor Activation Differentially Modulates Hippocampal Basal and Apical Dendritic Synapses in Freely Moving Mice. <i>Cerebral Cortex</i> , 2016, 26, bhu229.	1.6	16
6	General Anesthetic Conditions Induce Network Synchrony and Disrupt Sensory Processing in the Cortex. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 64.	1.8	30
7	Flexible, AAV-equipped Genetic Modules for Inducible Control of Gene Expression in Mammalian Brain. <i>Molecular Therapy - Nucleic Acids</i> , 2016, 5, e309.	2.3	12
8	Fluorescent Calcium Indicator Protein Expression in the Brain Using Tetracycline-Responsive Transgenic Mice. <i>Cold Spring Harbor Protocols</i> , 2015, 2015, pdb.prot087627.	0.2	1
9	Fluorescent Calcium Indicator Protein Expression in the Mouse Brain Using Recombinant Adeno-Associated Viruses. <i>Cold Spring Harbor Protocols</i> , 2015, 2015, pdb.prot087635.	0.2	2
10	Inducible and combinatorial gene manipulation in mouse brain. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 142.	1.8	13
11	Role of motor cortex NMDA receptors in learning-dependent synaptic plasticity of behaving mice. <i>Nature Communications</i> , 2013, 4, 2258.	5.8	82
12	Acat1 Knockdown Gene Therapy Decreases Amyloid- $\hat{\beta}$ 2 in a Mouse Model of Alzheimer's Disease. <i>Molecular Therapy</i> , 2013, 21, 1497-1506.	3.7	84
13	The cellular ratio of immune tolerance (immunoCRIT) is a definite marker for aggressiveness of solid tumors and may explain tumor dissemination patterns. <i>Epigenetics</i> , 2013, 8, 1226-1235.	1.3	19
14	Topological specificity and hierarchical network of the circadian calcium rhythm in the suprachiasmatic nucleus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 21498-21503.	3.3	97
15	Reorganization of cortical population activity imaged throughout long-term sensory deprivation. <i>Nature Neuroscience</i> , 2012, 15, 1539-1546.	7.1	193
16	An amplified promoter system for targeted expression of calcium indicator proteins in the cerebellar cortex. <i>Frontiers in Neural Circuits</i> , 2012, 6, 49.	1.4	35
17	Single-cell resolution fluorescence imaging of circadian rhythms detected with a Nipkow spinning disk confocal system. <i>Journal of Neuroscience Methods</i> , 2012, 207, 72-79.	1.3	26
18	Optical recording of neuronal activity with a genetically-encoded calcium indicator in anesthetized and freely moving mice. <i>Frontiers in Neural Circuits</i> , 2010, 4, 9.	1.4	154

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19	Doxycycline-dependent photoactivated gene expression in eukaryotic systems. <i>Nature Methods</i> , 2009, 6, 527-531.	9.0	81
20	Laser-evoked synaptic transmission in cultured hippocampal neurons expressing channelrhodopsin-2 delivered by adeno-associated virus. <i>Journal of Neuroscience Methods</i> , 2009, 183, 165-175.	1.3	12
21	Faithful Expression of Multiple Proteins via 2A-Peptide Self-Processing: A Versatile and Reliable Method for Manipulating Brain Circuits. <i>Journal of Neuroscience</i> , 2009, 29, 8621-8629.	1.7	156
22	Single-spike detection in vitro and in vivo with a genetic Ca ²⁺ sensor. <i>Nature Methods</i> , 2008, 5, 797-804.	9.0	180
23	Silencing and Un-silencing of Tetracycline-Controlled Genes in Neurons. <i>PLoS ONE</i> , 2007, 2, e533.	1.1	80
24	Select overexpression of homer1a in dorsal hippocampus impairs spatial working memory. <i>Frontiers in Neuroscience</i> , 2007, 1, 97-110.	1.4	65
25	Functional Fluorescent Ca ²⁺ Indicator Proteins in Transgenic Mice under TET Control. <i>PLoS Biology</i> , 2004, 2, e163.	2.6	216
26	Targeted Whole-Cell Recordings in the Mammalian Brain In Vivo. <i>Neuron</i> , 2003, 39, 911-918.	3.8	205
27	Two-photon imaging to a depth of 1000 μm in living brains by use of a Ti:Al ₂ O ₃ regenerative amplifier. <i>Optics Letters</i> , 2003, 28, 1022.	1.7	619
28	Long-term, noninvasive imaging of regulated gene expression in living mice. <i>Genesis</i> , 2001, 29, 116-122.	0.8	67
29	Complementation Cloning of S2P, a Gene Encoding a Putative Metalloprotease Required for Intramembrane Cleavage of SREBPs. <i>Molecular Cell</i> , 1997, 1, 47-57.	4.5	437
30	Somatic cell genetic and biochemical characterization of cell lines resulting from human genomic DNA transfections of Chinese hamster ovary cell mutants defective in sterol-dependent activation of sterol synthesis and LDL receptor expression. <i>Somatic Cell and Molecular Genetics</i> , 1994, 20, 183-194.	0.7	52