Mazahir T Hasan

List of Publications by Year
in descending order

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30	3,227	304602 22	454834 30
papers	citations	h-index	g-index

30	30	30	4579
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Two-photon imaging to a depth of 1000 Âµm in living brains by use of a Ti:Al_2O_3 regenerative amplifier. Optics Letters, 2003, 28, 1022.	1.7	619
2	Complementation Cloning of S2P, a Gene Encoding a Putative Metalloprotease Required for Intramembrane Cleavage of SREBPs. Molecular Cell, 1997, 1, 47-57.	4.5	437
3	Functional Fluorescent Ca2+ Indicator Proteins in Transgenic Mice under TET Control. PLoS Biology, 2004, 2, e163.	2.6	216
4	Targeted Whole-Cell Recordings in the Mammalian Brain In Vivo. Neuron, 2003, 39, 911-918.	3.8	205
5	Reorganization of cortical population activity imaged throughout long-term sensory deprivation. Nature Neuroscience, 2012, 15, 1539-1546.	7.1	193
6	Single-spike detection in vitro and in vivo with a genetic Ca2+ sensor. Nature Methods, 2008, 5, 797-804.	9.0	180
7	Faithful Expression of Multiple Proteins via 2A-Peptide Self-Processing: A Versatile and Reliable Method for Manipulating Brain Circuits. Journal of Neuroscience, 2009, 29, 8621-8629.	1.7	156
8	Optical recording of neuronal activity with a genetically-encoded calcium indicator in anesthetized and freely moving mice. Frontiers in Neural Circuits, 2010, 4, 9.	1.4	154
9	Cellular cholesterol homeostasis and Alzheimer's disease. Journal of Lipid Research, 2017, 58, 2239-2254.	2.0	106
10	Topological specificity and hierarchical network of the circadian calcium rhythm in the suprachiasmatic nucleus. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 21498-21503.	3.3	97
11	A Fear Memory Engram and Its Plasticity in the Hypothalamic Oxytocin System. Neuron, 2019, 103, 133-146.e8.	3.8	97
12	Acat1 Knockdown Gene Therapy Decreases Amyloid-Î² in a Mouse Model of Alzheimer's Disease. Molecular Therapy, 2013, 21, 1497-1506.	3.7	84
13	Role of motor cortex NMDA receptors in learning-dependent synaptic plasticity of behaving mice. Nature Communications, 2013, 4, 2258.	5.8	82
14	Doxycycline-dependent photoactivated gene expression in eukaryotic systems. Nature Methods, 2009, 6, 527-531.	9.0	81
15	Silencing and Un-silencing of Tetracycline-Controlled Genes in Neurons. PLoS ONE, 2007, 2, e533.	1.1	80
16	Long-term, noninvasive imaging of regulated gene expression in living mice. Genesis, 2001, 29, 116-122.	0.8	67
17	Astrocytic p38Î± MAPK drives NMDA receptor-dependent long-term depression and modulates long-term memory. Nature Communications, 2019, 10, 2968.	5.8	66
18	Select overexpression of homer1a in dorsal hippocampus impairs spatial working memory. Frontiers in Neuroscience, 2007, 1, 97-110.	1.4	65

#	Article	IF	Citations
19	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. Somatic Cell and Molecular Genetics, 1994, 20, 183-194.	0.7	52
20	An amplified promoter system for targeted expression of calcium indicator proteins in the cerebellar cortex. Frontiers in Neural Circuits, 2012, 6, 49.	1.4	35
21	General Anesthetic Conditions Induce Network Synchrony and Disrupt Sensory Processing in the Cortex. Frontiers in Cellular Neuroscience, 2016, 10, 64.	1.8	30
22	Single-cell resolution fluorescence imaging of circadian rhythms detected with a Nipkow spinning disk confocal system. Journal of Neuroscience Methods, 2012, 207, 72-79.	1.3	26
23	The Claustrum is Involved in Cognitive Processes Related to the Classical Conditioning of Eyelid Responses in Behaving Rabbits. Cerebral Cortex, 2021, 31, 281-300.	1.6	24
24	The cellular ratio of immune tolerance (immunoCRIT) is a definite marker for aggressiveness of solid tumors and may explain tumor dissemination patterns. Epigenetics, 2013, 8, 1226-1235.	1.3	19
25	D4 Receptor Activation Differentially Modulates Hippocampal Basal and Apical Dendritic Synapses in Freely Moving Mice. Cerebral Cortex, 2016, 26, bhu229.	1.6	16
26	Inducible and combinatorial gene manipulation in mouse brain. Frontiers in Cellular Neuroscience, 2015, 9, 142.	1.8	13
27	Laser-evoked synaptic transmission in cultured hippocampal neurons expressing channelrhodopsin-2 delivered by adeno-associated virus. Journal of Neuroscience Methods, 2009, 183, 165-175.	1.3	12
28	Flexible, AAV-equipped Genetic Modules for Inducible Control of Gene Expression in Mammalian Brain. Molecular Therapy - Nucleic Acids, 2016, 5, e309.	2.3	12
29	Fluorescent Calcium Indicator Protein Expression in the Mouse Brain Using Recombinant Adeno-Associated Viruses. Cold Spring Harbor Protocols, 2015, 2015, pdb.prot087635.	0.2	2
30	Fluorescent Calcium Indicator Protein Expression in the Brain Using Tetracycline-Responsive Transgenic Mice. Cold Spring Harbor Protocols, 2015, 2015, pdb.prot087627.	0.2	1