

Bhupesh Mehta

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

630
citations

840776

11
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

911
citing authors

#	ARTICLE	IF	CITATIONS
1	Restoration of vision after de novo genesis of rod photoreceptors in mammalian retinas. <i>Nature</i> , 2018, 560, 484-488.	27.8	234
2	Acute destruction of the synaptic ribbon reveals a role for the ribbon in vesicle priming. <i>Nature Neuroscience</i> , 2011, 14, 1135-1141.	14.8	116
3	Synaptic Ribbons Influence the Size and Frequency of Miniature-like Evoked Postsynaptic Currents. <i>Neuron</i> , 2013, 77, 516-527.	8.1	60
4	Neurogenesis-on-Chip: Electric field modulated transdifferentiation of human mesenchymal stem cell and mouse muscle precursor cell coculture. <i>Biomaterials</i> , 2020, 226, 119522.	11.4	32
5	Global Ca ²⁺ Signaling Drives Ribbon-Independent Synaptic Transmission at Rod Bipolar Cell Synapses. <i>Journal of Neuroscience</i> , 2014, 34, 6233-6244.	3.6	31
6	Exome sequencing in families with severe mental illness identifies novel and rare variants in genes implicated in Mendelian neuropsychiatric syndromes. <i>Psychiatry and Clinical Neurosciences</i> , 2019, 73, 11-19.	1.8	31
7	Nitric Oxide-mediated Modulation of Synaptic Activity by Astrocytic P2Y Receptors. <i>Journal of General Physiology</i> , 2008, 132, 339-349.	1.9	30
8	Development of new peptide-based tools for studying synaptic ribbon function. <i>Journal of Neurophysiology</i> , 2011, 106, 1028-1037.	1.8	20
9	Early Diabetes Induces Changes in Mitochondrial Physiology of Inner Retinal Neurons. <i>Neuroscience</i> , 2019, 406, 140-149.	2.3	19
10	Tunable Substrate Functionalities Direct Stem Cell Fate toward Electrophysiologically Distinguishable Neuron-like and Glial-like Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 164-185.	8.0	13
11	Controlled Shear Flow Directs Osteogenesis on UHMWPE-Based Hybrid Nanobiocomposites in a Custom-Designed PMMA Microfluidic Device. <i>ACS Applied Bio Materials</i> , 2018, 1, 414-435.	4.6	12
12	INDEX-db: The Indian Exome Reference Database (Phase I). <i>Journal of Computational Biology</i> , 2019, 26, 225-234.	1.6	12
13	Cross-diagnostic evaluation of minor physical anomalies in psychiatric disorders. <i>Journal of Psychiatric Research</i> , 2021, 142, 54-62.	3.1	7
14	Identification and functional characterization of two novel mutations in KCNJ10 and PI4KB in SeSAME syndrome without electrolyte imbalance. <i>Human Genomics</i> , 2019, 13, 53.	2.9	5
15	Depalmitoylation preferentially downregulates AMPA induced Ca ²⁺ signaling and neurotoxicity in motor neurons. <i>Brain Research</i> , 2013, 1529, 143-153.	2.2	4
16	Picture perfect: Imaging mitochondrial membrane potential changes in retina slices with minimal stray fluorescence. <i>Experimental Eye Research</i> , 2021, 202, 108318.	2.6	4