

Rahul Srinivasan, Mbbs

List of Publications by Year in descending order

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36
papers

1,757
citations

394421

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29
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docs citations

41
times ranked

2226
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Assessment of Stroke-Induced Regulation of miR-20a-3p and Its Role as a Neuroprotectant. <i>Translational Stroke Research</i> , 2022, 13, 432-448.	4.2	11
2	Magnetic Fields and Magnetically Stimulated Gold-Coated Superparamagnetic Iron Oxide Nanoparticles Differentially Modulate L-Type Voltage-Gated Calcium Channel Activity in Midbrain Neurons. <i>ACS Applied Nano Materials</i> , 2022, 5, 205-215.	5.0	7
3	Cytisine is neuroprotective in female but not male 6-hydroxydopamine lesioned parkinsonian mice and acts in combination with 17 β -estradiol to inhibit apoptotic endoplasmic reticulum stress in dopaminergic neurons. <i>Journal of Neurochemistry</i> , 2021, 157, 710-726.	3.9	9
4	Adeno-Associated Virus Expression of α -Synuclein as a Tool to Model Parkinson's Disease: Current Understanding and Knowledge Gaps. , 2021, 12, 1120.		11
5	Calcium signals in astrocytes of the fly brain promote sleep. <i>Cell Calcium</i> , 2021, 94, 102341.	2.4	1
6	Astrocytic mitochondria in adult mouse brain slices show spontaneous calcium influx events with unique properties. <i>Cell Calcium</i> , 2021, 96, 102383.	2.4	17
7	Emerging Roles for Aberrant Astrocytic Calcium Signals in Parkinson's Disease. <i>Frontiers in Physiology</i> , 2021, 12, 812212.	2.8	7
8	Macrophage Migration Inhibitory Factor Alters Functional Properties of CA1 Hippocampal Neurons in Mouse Brain Slices. <i>International Journal of Molecular Sciences</i> , 2020, 21, 276.	4.1	4
9	Quantifying Spontaneous Ca ²⁺ Fluxes and their Downstream Effects in Primary Mouse Midbrain Neurons. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	5
10	Abstract TP271: Sex Specific Regulation of Astrocytic Mitochondrial Function by MicroRNA (mir)20a-3p Under Ischemic Conditions. <i>Stroke</i> , 2020, 51, .	2.0	0
11	GECIquant: Semi-automated Detection and Quantification of Astrocyte Intracellular Ca ²⁺ Signals Monitored with GCaMP6f. <i>Springer Series in Computational Neuroscience</i> , 2019, , 455-470.	0.3	7
12	Reliable Identification of Living Dopaminergic Neurons in Midbrain Cultures Using RNA Sequencing and TH-promoter-driven eGFP Expression. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	6
13	New Transgenic Mouse Lines for Selectively Targeting Astrocytes and Studying Calcium Signals in Astrocyte Processes In Situ and In Vivo. <i>Neuron</i> , 2016, 92, 1181-1195.	8.1	283
14	Smoking-Relevant Nicotine Concentration Attenuates the Unfolded Protein Response in Dopaminergic Neurons. <i>Journal of Neuroscience</i> , 2016, 36, 65-79.	3.6	44
15	Ca ²⁺ signaling in astrocytes from <i>lpr2^{+/+}</i> mice in brain slices and during startle responses in vivo. <i>Nature Neuroscience</i> , 2015, 18, 708-717.	14.8	411
16	Imaging P2X4 receptor subcellular distribution, trafficking, and regulation using P2X4-pHluorin. <i>Journal of General Physiology</i> , 2014, 144, 81-104.	1.9	39
17	Pharmacological chaperoning of nAChRs: A therapeutic target for Parkinson's disease. <i>Pharmacological Research</i> , 2014, 83, 20-29.	7.1	52
18	Nicotine exploits a COPI-mediated process for chaperone-mediated up-regulation of its receptors. <i>Journal of General Physiology</i> , 2014, 143, 51-66.	1.9	61

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19	Transcriptional regulation by nicotine in dopaminergic neurons. <i>Biochemical Pharmacology</i> , 2013, 86, 1074-1083.	4.4	27
20	Förster Resonance Energy Transfer (FRET) Correlates of Altered Subunit Stoichiometry in Cys-Loop Receptors, Exemplified by Nicotinic $\alpha 4\beta 2$. <i>International Journal of Molecular Sciences</i> , 2012, 13, 10022-10040.	4.1	20
21	Pharmacological Chaperoning of Nicotinic Acetylcholine Receptors Reduces the Endoplasmic Reticulum Stress Response. <i>Molecular Pharmacology</i> , 2012, 81, 759-769.	2.3	57
22	Live-Cell Imaging of Single Receptor Composition Using Zero-Mode Waveguide Nanostructures. <i>Nano Letters</i> , 2012, 12, 3690-3694.	9.1	63
23	$\alpha 7\beta 2$ Nicotinic Acetylcholine Receptors Assemble, Function, and Are Activated Primarily via Their $\alpha 7$ - $\beta 7$ Interfaces. <i>Molecular Pharmacology</i> , 2012, 81, 175-188.	2.3	56
24	Psychiatric Drugs Bind to Classical Targets Within Early Exocytotic Pathways: Therapeutic Effects. <i>Biological Psychiatry</i> , 2012, 72, 907-915.	1.3	51
25	Characterizing functional $\alpha 6\beta 2$ nicotinic acetylcholine receptors in vitro: Mutant $\beta 2$ subunits improve membrane expression, and fluorescent proteins reveal responsive cells. <i>Biochemical Pharmacology</i> , 2011, 82, 852-861.	4.4	34
26	Trafficking of $\alpha 4^*$ Nicotinic Receptors Revealed by Superecliptic Phluorin. <i>Journal of Biological Chemistry</i> , 2011, 286, 31241-31249.	3.4	50
27	Nicotine up-regulates $\alpha 4\beta 2$ nicotinic receptors and ER exit sites via stoichiometry-dependent chaperoning. <i>Journal of General Physiology</i> , 2011, 137, 59-79.	1.9	153
28	Pharmacological chaperoning of nicotinic receptors begins in the endoplasmic reticulum: Compartments and stoichiometries. <i>Biochemical Pharmacology</i> , 2009, 78, 900.	4.4	0
29	Nicotine is a Selective Pharmacological Chaperone of Acetylcholine Receptor Number and Stoichiometry. Implications for Drug Discovery. <i>AAPS Journal</i> , 2009, 11, 167-177.	4.4	148
30	Characterizing Nicotine-Induced $\alpha 4\beta 2$ nAChR Upregulation with Fluorescence Microscopy. <i>Biophysical Journal</i> , 2009, 96, 105a.	0.5	0
31	Cellular Basis Of Nicotine-induced nAChR Upregulation. <i>Biophysical Journal</i> , 2009, 96, 165a.	0.5	0
32	Protein kinase ϵ contributes to basal and sensitizing responses of TRPV1 to capsaicin in rat dorsal root ganglion neurons. <i>European Journal of Neuroscience</i> , 2008, 28, 1241-1254.	2.6	42
33	Engineering an endomorphin-2 gene for use in neuropathic pain therapy. <i>Pain</i> , 2007, 133, 29-38.	4.2	60
34	An HSV vector system for selection of ligand-gated ion channel modulators. <i>Nature Methods</i> , 2007, 4, 733-739.	19.0	20
35	164. HSV-1 Vector-Based Assay To Identify Inhibitors of the Vanilloid Receptor. <i>Molecular Therapy</i> , 2006, 13, S63-S64.	8.2	0
36	1071. Development and Characterization of HSV-1 Vector-Expressed Dominant Negative PKC epsilon for Pain Therapy. <i>Molecular Therapy</i> , 2006, 13, S411.	8.2	0