

Vishnu Suppiramaniam

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

2,552
citations

159585

30
h-index

214800

47
g-index

82
all docs

82
docs citations

82
times ranked

3750
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Insights on Glutamatergic Dysfunction in Alzheimer's Disease and Therapeutic Implications. <i>Neuroscientist</i> , 2022, , 107385842110698.	3.5	4
2	The impact of cognitive impairment on survival and medication adherence among older women with breast cancer. <i>Breast Cancer</i> , 2021, 28, 277-288.	2.9	6
3	CRISPR/Cas9-mediated CysLT1R deletion reverses synaptic failure, amyloidosis and cognitive impairment in APP/PS1 mice. <i>Aging</i> , 2021, 13, 6634-6661.	3.1	10
4	Effects of prenatal synthetic cannabinoid exposure on the cerebellum of adolescent rat offspring. <i>Heliyon</i> , 2021, 7, e06730.	3.2	6
5	Doxorubicin induces dysregulation of AMPA receptor and impairs hippocampal synaptic plasticity leading to learning and memory deficits. <i>Heliyon</i> , 2021, 7, e07456.	3.2	10
6	γ-hydroxybutyric acid attenuates oxidative stress and improves markers of mitochondrial function in the HT-22 hippocampal cell line. <i>Journal of Integrative Neuroscience</i> , 2021, 20, 321.	1.7	8
7	Differential Effects of Human P301L Tau Expression in Young versus Aged Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11637.	4.1	2
8	Gut Metabolite TMAO Induces Synaptic Plasticity Deficits by Promoting Endoplasmic Reticulum Stress. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 138.	2.9	57
9	The association between antidepressants use and development of cognitive impairment among older women diagnosed with breast cancer. <i>European Geriatric Medicine</i> , 2020, 11, 1017-1026.	2.8	0
10	Concurrent nicotine exposure to prenatal alcohol consumption alters the hippocampal and cortical neurotoxicity. <i>Heliyon</i> , 2020, 6, e03045.	3.2	9
11	Neuronal CXCL10/CXCR3 Axis Mediates the Induction of Cerebral Hyperexcitability by Peripheral Viral Challenge. <i>Frontiers in Neuroscience</i> , 2020, 14, 220.	2.8	10
12	Western diet-induced obesity disrupts the diurnal rhythmicity of hippocampal core clock gene expression in a mouse model. <i>Brain, Behavior, and Immunity</i> , 2020, 88, 815-825.	4.1	20
13	Alcohol Pharmacology and Pharmacotherapy of Alcoholism. , 2020, , 417-446.		1
14	Prenatal Cannabinoid Exposure Mediated Cognitive Deficits in the Offspring: Elucidation of the Mechanism and Identifying Therapeutic Targets. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
15	Inhibitory effect of INT-777 on lipopolysaccharide-induced cognitive impairment, neuroinflammation, apoptosis, and synaptic dysfunction in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 88, 360-374.	4.8	54
16	The role of APOE4 in Alzheimer's disease: strategies for future therapeutic interventions. <i>Neuronal Signaling</i> , 2019, 3, NS20180203.	3.2	31
17	PPAR-γ Activation Ameliorates Diabetes-Induced Cognitive Dysfunction by Modulating Integrin-linked Kinase and AMPA Receptor Function. <i>Journal of the American College of Nutrition</i> , 2019, 38, 693-702.	1.8	7
18	Doxorubicin-induced neurotoxicity is associated with acute alterations in synaptic plasticity, apoptosis, and lipid peroxidation. <i>Toxicology Mechanisms and Methods</i> , 2019, 29, 457-466.	2.7	45

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19	Hippocampal Genetic Knockdown of PPAR γ Causes Depression-Like Behaviors and Neurogenesis Suppression. <i>International Journal of Neuropsychopharmacology</i> , 2019, 22, 372-382.	2.1	14
20	Protective effects of tauroursodeoxycholic acid on lipopolysaccharide-induced cognitive impairment and neurotoxicity in mice. <i>International Immunopharmacology</i> , 2019, 72, 166-175.	3.8	26
21	Prenatal cannabinoid exposure and altered neurotransmission. <i>Neuropharmacology</i> , 2019, 149, 181-194.	4.1	15
22	Adiponectin Knockout Mice Display Cognitive and Synaptic Deficits. <i>Frontiers in Endocrinology</i> , 2019, 10, 819.	3.5	32
23	Targeted inhibition of RAGE reduces amyloid- β^2 influx across the blood-brain barrier and improves cognitive deficits in db/db mice. <i>Neuropharmacology</i> , 2018, 131, 143-153.	4.1	52
24	Comparing the dopaminergic neurotoxic effects of benzylpiperazine and benzoylpiperazine. <i>Toxicology Mechanisms and Methods</i> , 2018, 28, 177-186.	2.7	11
25	Assessment of the cerebellar neurotoxic effects of nicotine in prenatal alcohol exposure in rats. <i>Life Sciences</i> , 2018, 194, 177-184.	4.3	11
26	Antidepressant-like effect of zileuton is accompanied by hippocampal neuroinflammation reduction and CREB/BDNF upregulation in lipopolysaccharide-challenged mice. <i>Journal of Affective Disorders</i> , 2018, 227, 672-680.	4.1	25
27	Signaling Mechanisms of Selective PPAR γ Modulators in Alzheimer's Disease. <i>PPAR Research</i> , 2018, 2018, 1-20.	2.4	48
28	Neuroprotective effects of INT-777 against A β^{1-42} -induced cognitive impairment, neuroinflammation, apoptosis, and synaptic dysfunction in mice. <i>Brain, Behavior, and Immunity</i> , 2018, 73, 533-545.	4.1	60
29	Autotaxin's Lysophosphatidic Acid Signaling in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1827.	4.1	47
30	Role of Adiponectin in Central Nervous System Disorders. <i>Neural Plasticity</i> , 2018, 2018, 1-15.	2.2	102
31	SIRT3 activator Honokiol attenuates β^2 -Amyloid by modulating amyloidogenic pathway. <i>PLoS ONE</i> , 2018, 13, e0190350.	2.5	65
32	Immunological alteration & toxic molecular inductions leading to cognitive impairment & neurotoxicity in transgenic mouse model of Alzheimer's disease. <i>Life Sciences</i> , 2017, 177, 49-59.	4.3	17
33	Altered AMPA receptor expression plays an important role in inducing bidirectional synaptic plasticity during contextual fear memory reconsolidation. <i>Neurobiology of Learning and Memory</i> , 2017, 139, 98-108.	1.9	28
34	Direct Production of Human Cardiac Tissues by Pluripotent Stem Cell Encapsulation in Gelatin Methacryloyl. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 1499-1509.	5.2	42
35	Peripherally restricted viral challenge elevates extracellular glutamate and enhances synaptic transmission in the hippocampus. <i>Journal of Neurochemistry</i> , 2016, 138, 307-316.	3.9	16
36	Methamphetamine-induced dopaminergic toxicity prevented owing to the neuroprotective effects of salicylic acid. <i>Life Sciences</i> , 2016, 154, 24-29.	4.3	30

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37	Benzylpiperazine: "A messy drug". Drug and Alcohol Dependence, 2016, 164, 1-7.	3.2	17
38	Antioxidant-Mediated Reversal of Oxidative Damage in Mouse Modeling of Complex I Inhibition. Drug Development Research, 2015, 76, 72-81.	2.9	9
39	Insulin treatment restores glutamate (L-glutamyl-3-hydroxy-5-methyl-4-isoxazolepropionic acid) receptor function in the hippocampus of diabetic rats. Journal of Neuroscience Research, 2015, 93, 1442-1450.	2.9	14
40	Central activation of PPAR-gamma ameliorates diabetes induced cognitive dysfunction and improves BDNF expression. Neurobiology of Aging, 2015, 36, 1451-1461.	3.1	84
41	Impaired Insulin Signaling and Mechanisms of Memory Loss. Progress in Molecular Biology and Translational Science, 2014, 121, 413-449.	1.7	42
42	Synthetic cathinones: "A khat and mouse game". Toxicology Letters, 2014, 229, 349-356.	0.8	57
43	Elucidating the neurotoxic effects of MDMA and its analogs. Life Sciences, 2014, 101, 37-42.	4.3	19
44	Assessment of Therapeutic Potential of Amantadine in Methamphetamine Induced Neurotoxicity. Neurochemical Research, 2013, 38, 2084-2094.	3.3	14
45	Long term alterations in synaptic physiology, expression of $\alpha 2$ nicotinic receptors and ERK1/2 signaling in the hippocampus of rats with prenatal nicotine exposure. Neurobiology of Learning and Memory, 2013, 106, 102-111.	1.9	26
46	Selective inhibition of phosphodiesterase 5 enhances glutamatergic synaptic plasticity and memory in mice. Synapse, 2013, 67, 741-747.	1.2	10
47	Anti-oxidative and DNA Protecting Effects of Flavonoids-rich Scutellaria Lateriflora. Natural Product Communications, 2013, 8, 1934578X1300801.	0.5	8
48	Anti-oxidative and DNA protecting effects of flavonoids-rich Scutellaria lateriflora. Natural Product Communications, 2013, 8, 1415-8.	0.5	9
49	Central insulin resistance and synaptic dysfunction in intracerebroventricular-streptozotocin injected rodents. Neurobiology of Aging, 2012, 33, 430.e5-430.e18.	3.1	68
50	Conformational Change Involved in Gating of Acid Sensing Ion Channel (ASIC1a). Biophysical Journal, 2012, 102, 336a.	0.5	0
51	Investigate the Chronic Neurotoxic Effects of Diquat. Neurochemical Research, 2012, 37, 1102-1111.	3.3	21
52	Developmental nicotine exposure induced alterations in behavior and glutamate receptor function in hippocampus. Cellular and Molecular Life Sciences, 2012, 69, 829-841.	5.4	52
53	Selective Cholinergic Depletion in Medial Septum Leads to Impaired Long Term Potentiation and Glutamatergic Synaptic Currents in the Hippocampus. PLoS ONE, 2012, 7, e31073.	2.5	22
54	Neurotoxic Effects of Methamphetamine. Neurochemical Research, 2010, 35, 171-179.	3.3	50

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55	Role of dimer interface in activation and desensitization in AMPA receptors. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9891-9896.	7.1	38
56	Neural Cell Adhesion Molecule-Associated Polysialic Acid Regulates Synaptic Plasticity and Learning by Restraining the Signaling through GluN2B-Containing NMDA Receptors. Journal of Neuroscience, 2010, 30, 4171-4183.	3.6	103
57	AMPA receptor trafficking and synaptic plasticity require SQSTM1/p62. Hippocampus, 2009, 19, 392-406.	1.9	37
58	Methamphetamine-induced neurotoxicity: the road to Parkinson's disease. Pharmacological Reports, 2009, 61, 966-977.	3.3	72
59	Role of Lipoamide Dehydrogenase and Metallothionein on 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced Neurotoxicity. Neurochemical Research, 2008, 33, 980-984.	3.3	16
60	Ameliorating effects of preadolescent aniracetam treatment on prenatal ethanol-induced impairment in AMPA receptor activity. Neurobiology of Disease, 2008, 29, 81-91.	4.4	15
61	Effect of dopaminergic neurotoxin MPTP/MPP+ on coenzyme Q content. Life Sciences, 2008, 83, 92-95.	4.3	7
62	Amyloid beta peptides and glutamatergic synaptic dysregulation. Experimental Neurology, 2008, 210, 7-13.	4.1	197
63	Ampakine CX516 ameliorates functional deficits in AMPA receptors in a hippocampal slice model of protein accumulation. Experimental Neurology, 2008, 214, 55-61.	4.1	13
64	Aniracetam Reversed Learning and Memory Deficits Following Prenatal Ethanol Exposure by Modulating Functions of Synaptic AMPA Receptors. Neuropsychopharmacology, 2008, 33, 1071-1083.	5.4	53
65	Lysosomal Dysfunction Produces Distinct Alterations in Synaptic Î±-Amino-3-Hydroxy-5-Methylisoxazolepropionic Acid and N-Methyl-D-Aspartate Receptor Currents in Hippocampus. Journal of Neuro pathology and Experimental Neurology, 2007, 66, 779-788.	1.7	20
66	Evaluation of neuroprotective and anti-fatigue effects of sildenafil. Life Sciences, 2007, 81, 988-992.	4.3	38
67	Amyloid Î²-peptide AÎ²1-42 but not AÎ²1-40 attenuates synaptic AMPA receptor function. Synapse, 2007, 61, 367-374.	1.2	67
68	Postnatal aniracetam treatment improves prenatal ethanol induced attenuation of AMPA receptor-mediated synaptic transmission. Neurobiology of Disease, 2007, 26, 696-706.	4.4	17
69	Modulatory effects of dextran sulfate and fucoidan on binding and channel properties of AMPA receptors isolated from rat brain. Synapse, 2006, 60, 456-464.	1.2	11
70	Ebselen effects on MPTP-induced neurotoxicity. Brain Research, 2006, 1118, 251-254.	2.2	19
71	Posttranslational Modifications and Receptor-Associated Proteins in AMPA Receptor Trafficking and Synaptic Plasticity. NeuroSignals, 2006, 15, 266-282.	0.9	53
72	Electrophysiological Analysis of Interactions Between Carbohydrates and Transmitter Receptors Reconstituted in Lipid Bilayers. Methods in Enzymology, 2006, 417, 80-90.	1.0	6

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73	Neural Cell Adhesion Molecule-associated Polysialic Acid Inhibits NR2B-containing N-Methyl-d-aspartate Receptors and Prevents Glutamate-induced Cell Death. <i>Journal of Biological Chemistry</i> , 2006, 281, 34859-34869.	3.4	99
74	Single Channel Recordings From Synaptosomal AMPA Receptors. <i>Cell Biochemistry and Biophysics</i> , 2005, 42, 075-086.	1.8	23
75	Neural Cell Adhesion Molecule-associated Polysialic Acid Potentiates $\hat{\iota}$ -Amino-3-hydroxy-5-methylisoxazole-4-propionic Acid Receptor Currents. <i>Journal of Biological Chemistry</i> , 2004, 279, 47975-47984.	3.4	86
76	Sulfate- and size-dependent polysaccharide modulation of AMPA receptor properties. <i>Journal of Neuroscience Research</i> , 2004, 75, 408-416.	2.9	12
77	Member of the Ampakine class of memory enhancers prolongs the single channel open time of reconstituted AMPA receptors. <i>Synapse</i> , 2001, 40, 154-158.	1.2	42
78	Heparin modulates the single channel kinetics of reconstituted AMPA receptors from rat brain. <i>Synapse</i> , 1999, 31, 203-209.	1.2	17
79	Effects of heparin on the properties of solubilized and reconstituted rat brain AMPA receptors. <i>Neuroscience Letters</i> , 1996, 217, 179-183.	2.1	18
80	Single channel recordings of reconstituted AMPA receptors reveal low and high conductance states. <i>Neuroscience Letters</i> , 1993, 150, 80-84.	2.1	16
81	Functional Reconstitution of $\hat{\iota}$ -Amino-3-Hydroxy-5-Methylisoxazole-4-Propionate (AMPA) Receptors from Rat Brain. <i>Journal of Neurochemistry</i> , 1992, 59, 1979-1982.	3.9	14