

Vinod Tiwari

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85
papers

2,670
citations

29
h-index

50
g-index

94
ext. papers

3,269
ext. citations

5.9
avg, IF

5.42
L-index

#	Paper	IF	Citations
85	A long noncoding RNA contributes to neuropathic pain by silencing Kcna2 in primary afferent neurons. <i>Nature Neuroscience</i> , 2013 , 16, 1024-31	25.5	251
84	Suppression of NF-kappabeta signaling pathway by tocotrienol can prevent diabetes associated cognitive deficits. <i>Pharmacology Biochemistry and Behavior</i> , 2009 , 92, 251-9	3.9	134
83	Opioid receptor-triggered spinal mTORC1 activation contributes to morphine tolerance and hyperalgesia. <i>Journal of Clinical Investigation</i> , 2014 , 124, 592-603	15.9	116
82	Alcoholic neuropathy: possible mechanisms and future treatment possibilities. <i>British Journal of Clinical Pharmacology</i> , 2012 , 73, 348-62	3.8	115
81	Chronic treatment with tocotrienol, an isoform of vitamin E, prevents intracerebroventricular streptozotocin-induced cognitive impairment and oxidative-nitrosative stress in rats. <i>Pharmacology Biochemistry and Behavior</i> , 2009 , 93, 183-9	3.9	107
80	Tmem100 Is a Regulator of TRPA1-TRPV1 Complex and Contributes to Persistent Pain. <i>Neuron</i> , 2015 , 85, 833-46	13.9	105
79	Curcumin ameliorates reserpine-induced pain-depression dyad: behavioural, biochemical, neurochemical and molecular evidences. <i>Psychoneuroendocrinology</i> , 2011 , 36, 1570-81	5	99
78	Recent updates on GLP-1 agonists: Current advancements & challenges. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 108, 952-962	7.5	95
77	Selective keratinocyte stimulation is sufficient to evoke nociception in mice. <i>Pain</i> , 2015 , 156, 656-665	8	81
76	Diabetic nephropathy: New insights into established therapeutic paradigms and novel molecular targets. <i>Diabetes Research and Clinical Practice</i> , 2017 , 128, 91-108	7.4	78
75	Resveratrol prevents alcohol-induced cognitive deficits and brain damage by blocking inflammatory signaling and cell death cascade in neonatal rat brain. <i>Journal of Neurochemistry</i> , 2011 , 117, 678-90	6	73
74	Suppression of neuro-inflammatory signaling cascade by tocotrienol can prevent chronic alcohol-induced cognitive dysfunction in rats. <i>Behavioural Brain Research</i> , 2009 , 203, 296-303	3.4	68
73	Resveratrol abrogates alcohol-induced cognitive deficits by attenuating oxidative-nitrosative stress and inflammatory cascade in the adult rat brain. <i>Neurochemistry International</i> , 2013 , 62, 861-9	4.4	65
72	Impaired neuropathic pain and preserved acute pain in rats overexpressing voltage-gated potassium channel subunit Kv1.2 in primary afferent neurons. <i>Molecular Pain</i> , 2014 , 10, 8	3.4	59
71	Sesamol suppresses neuro-inflammatory cascade in experimental model of diabetic neuropathy. <i>Journal of Pain</i> , 2010 , 11, 950-7	5.2	59
70	Modulating the delicate glial-neuronal interactions in neuropathic pain: promises and potential caveats. <i>Neuroscience and Biobehavioral Reviews</i> , 2014 , 45, 19-27	9	58
69	Attenuation of oxidative stress, neuroinflammation, and apoptosis by curcumin prevents cognitive deficits in rats postnatally exposed to ethanol. <i>Psychopharmacology</i> , 2012 , 224, 519-35	4.7	52

68	Protective effect of curcumin against chronic alcohol-induced cognitive deficits and neuroinflammation in the adult rat brain. <i>Neuroscience</i> , 2013 , 244, 147-58	3.9	49
67	Design and development of multitarget-directed N-Benzylpiperidine analogs as potential candidates for the treatment of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2019 , 167, 510-524	6.8	49
66	Emblca officinalis corrects functional, biochemical and molecular deficits in experimental diabetic neuropathy by targeting the oxido-nitrosative stress mediated inflammatory cascade. <i>Phytotherapy Research</i> , 2011 , 25, 1527-36	6.7	41
65	Kaempferol attenuates diabetic nephropathy by inhibiting RhoA/Rho-kinase mediated inflammatory signalling. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 109, 1610-1619	7.5	40
64	Electrical stimulation of low-threshold afferent fibers induces a prolonged synaptic depression in lamina II dorsal horn neurons to high-threshold afferent inputs in mice. <i>Pain</i> , 2015 , 156, 1008-1017	8	39
63	Activation of cannabinoid CB1 receptor contributes to suppression of spinal nociceptive transmission and inhibition of mechanical hypersensitivity by AβFiber stimulation. <i>Pain</i> , 2016 , 157, 2582-2593	8	37
62	Tocotrienol ameliorates behavioral and biochemical alterations in the rat model of alcoholic neuropathy. <i>Pain</i> , 2009 , 145, 129-35	8	36
61	Astaxanthin ameliorates behavioral and biochemical alterations in in-vitro and in-vivo model of neuropathic pain. <i>Neuroscience Letters</i> , 2018 , 674, 162-170	3.3	35
60	Targeting human Mas-related G protein-coupled receptor X1 to inhibit persistent pain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E1996-E2005	11.5	34
59	MrgC agonism at central terminals of primary sensory neurons inhibits neuropathic pain. <i>Pain</i> , 2014 , 155, 534-544	8	32
58	Comparison of intensity-dependent inhibition of spinal wide-dynamic range neurons by dorsal column and peripheral nerve stimulation in a rat model of neuropathic pain. <i>European Journal of Pain</i> , 2014 , 18, 978-88	3.7	32
57	Cellular and molecular mechanisms driving neuropathic pain: recent advancements and challenges. <i>Expert Opinion on Therapeutic Targets</i> , 2018 , 22, 131-142	6.4	29
56	Activation of Peripheral Opioid Receptors by Dermorphin [D-Arg2, Lys4] (1-4) Amide Leads to Modality-preferred Inhibition of Neuropathic Pain. <i>Anesthesiology</i> , 2016 , 124, 706-20	4.3	29
55	Modulation of nitregeric pathway by sesamol prevents cognitive deficits and associated biochemical alterations in intracerebroventricular streptozotocin administered rats. <i>European Journal of Pharmacology</i> , 2011 , 659, 177-86	5.3	29
54	Suppression of spinal connexin 43 expression attenuates mechanical hypersensitivity in rats after an L5 spinal nerve injury. <i>Neuroscience Letters</i> , 2014 , 566, 194-199	3.3	26
53	Protective effect of epigallocatechin gallate in murine water-immersion stress model of chronic fatigue syndrome. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2010 , 106, 490-6	3.1	26
52	Short-term pre- and post-operative stress prolongs incision-induced pain hypersensitivity without changing basal pain perception. <i>Molecular Pain</i> , 2015 , 11, 73	3.4	25
51	Peripherally Acting Opioid Receptor Agonists Attenuate Ongoing Pain-associated Behavior and Spontaneous Neuronal Activity after Nerve Injury in Rats. <i>Anesthesiology</i> , 2018 , 128, 1220-1236	4.3	24

50	Activation of μ -opioid receptor heteromers inhibits neuropathic pain behavior in rodents. <i>Pain</i> , 2020 , 161, 842-855	8	24
49	Crosstalk between endoplasmic reticulum stress and oxidative stress in schizophrenia: The dawn of new therapeutic approaches. <i>Neuroscience and Biobehavioral Reviews</i> , 2017 , 83, 589-603	9	22
48	Epigallocatechin-3-gallate ameliorates alcohol-induced cognitive dysfunctions and apoptotic neurodegeneration in the developing rat brain. <i>International Journal of Neuropsychopharmacology</i> , 2010 , 13, 1053-66	5.8	22
47	Temporal changes in MrgC expression after spinal nerve injury. <i>Neuroscience</i> , 2014 , 261, 43-51	3.9	21
46	Activation of MrgC receptor inhibits N-type calcium channels in small-diameter primary sensory neurons in mice. <i>Pain</i> , 2014 , 155, 1613-1621	8	20
45	Amelioration of functional, biochemical and molecular deficits by epigallocatechin gallate in experimental model of alcoholic neuropathy. <i>European Journal of Pain</i> , 2011 , 15, 286-92	3.7	20
44	Epigallocatechin gallate ameliorates chronic fatigue syndrome in mice: behavioral and biochemical evidence. <i>Behavioural Brain Research</i> , 2009 , 205, 414-20	3.4	17
43	Intrathecal carbenoxolone inhibits neuropathic pain and spinal wide-dynamic range neuronal activity in rats after an L5 spinal nerve injury. <i>Neuroscience Letters</i> , 2014 , 563, 45-50	3.3	16
42	Neuroprotective effect of vitamin E isoforms against chronic alcohol-induced peripheral neurotoxicity: possible involvement of oxidative-nitroductive stress. <i>Phytotherapy Research</i> , 2012 , 26, 1738-45	6.7	16
41	Amelioration of diet-induced metabolic syndrome and fatty liver with sitagliptin via regulation of adipose tissue inflammation and hepatic Adiponectin/AMPK levels in mice. <i>Biochimie</i> , 2020 , 168, 198-209	4.6	16
40	Tetramethylpyrazine prevents diabetes by activating PI3K/Akt/GLUT-4 signalling in animal model of type-2 diabetes. <i>Life Sciences</i> , 2019 , 236, 116836	6.8	15
39	Electrical stimulation of dorsal root entry zone attenuates wide-dynamic-range neuronal activity in rats. <i>Neuromodulation</i> , 2015 , 18, 33-40; discussion 40	3.1	15
38	Attenuation of NF- κ B-mediated apoptotic signaling by tocotrienol ameliorates cognitive deficits in rats postnatally exposed to ethanol. <i>Neurochemistry International</i> , 2012 , 61, 310-20	4.4	15
37	Mas-Related G Protein-Coupled Receptors Offer Potential New Targets for Pain Therapy. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 904, 87-103	3.6	14
36	Oligomerization of MrgC11 and μ opioid receptors in sensory neurons enhances morphine analgesia. <i>Science Signaling</i> , 2018 , 11,	8.8	14
35	Cockayne syndrome proteins CSA and CSB maintain mitochondrial homeostasis through NAD signaling. <i>Aging Cell</i> , 2020 , 19, e13268	9.9	14
34	Tetramethylpyrazine alleviates diabetic nephropathy through the activation of Akt signalling pathway in rats. <i>European Journal of Pharmacology</i> , 2019 , 865, 172763	5.3	13
33	Neuroprotective effects of silibinin: an in silico and in vitro study. <i>International Journal of Neuroscience</i> , 2018 , 128, 935-945	2	12

32	The inhibition of high-voltage-activated calcium current by activation of MrgC11 involves phospholipase C-dependent mechanisms. <i>Neuroscience</i> , 2015 , 300, 393-403	3.9	12
31	Current and emerging roles of Cockayne syndrome group B (CSB) protein. <i>Nucleic Acids Research</i> , 2021 , 49, 2418-2434	20.1	11
30	Underpinning the Neurobiological Intricacies Associated with Opioid Tolerance. <i>ACS Chemical Neuroscience</i> , 2020 , 11, 830-839	5.7	10
29	Targeting SARS-CoV-2 main protease: structure based virtual screening, in silico ADMET studies and molecular dynamics simulation for identification of potential inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 1-17	3.6	10
28	Effects of Combined Electrical Stimulation of the Dorsal Column and Dorsal Roots on Wide-Dynamic-Range Neuronal Activity in Nerve-Injured Rats. <i>Neuromodulation</i> , 2015 , 18, 592-7; discussion 598	3.1	9
27	Tozasertib Attenuates Neuropathic Pain by Interfering with Aurora Kinase and KIF11 Mediated Nociception. <i>ACS Chemical Neuroscience</i> , 2021 , 12, 1948-1960	5.7	9
26	Attenuation of ongoing neuropathic pain by peripheral acting opioid involves activation of central dopaminergic neurocircuitry. <i>Neuroscience Letters</i> , 2021 , 754, 135751	3.3	7
25	Promising traditional Indian medicinal plants for the management of novel Coronavirus disease: A systematic review. <i>Phytotherapy Research</i> , 2021 , 35, 4456-4484	6.7	7
24	Emerging role of nanomedicine in the treatment of neuropathic pain. <i>Journal of Drug Targeting</i> , 2020 , 28, 11-22	5.4	6
23	Tuberculosis: An Update on Pathophysiology, Molecular Mechanisms of Drug Resistance, Newer Anti-TB Drugs, Treatment Regimens and Host- Directed Therapies. <i>Current Topics in Medicinal Chemistry</i> , 2021 , 21, 547-570	3	5
22	A comprehensive review on pharmacology of efflux pumps and their inhibitors in antibiotic resistance. <i>European Journal of Pharmacology</i> , 2021 , 903, 174151	5.3	5
21	Kinesins: Motor Proteins as Novel Target for the Treatment of Chronic Pain. <i>Molecular Neurobiology</i> , 2019 , 56, 3854-3864	6.2	5
20	A network map of endothelin mediated signaling pathway. <i>Journal of Cell Communication and Signaling</i> , 2021 , 15, 277-282	5.2	5
19	Adenosine receptor signalling: Probing the potential pathways for the ministration of neuropathic pain. <i>European Journal of Pharmacology</i> , 2020 , 889, 173619	5.3	4
18	Kinesin Nanomotors Mediated Trafficking of NMDA-Loaded Cargo as A Novel Target in Chronic Pain. <i>ACS Chemical Neuroscience</i> , 2021 , 12, 2956-2963	5.7	4
17	ADMET Profiling in Drug Discovery and Development: Perspectives of In Silico, In Vitro and Integrated Approaches. <i>Current Drug Metabolism</i> , 2021 , 22, 503-522	3.5	4
16	Sitagliptin mitigates oxidative stress and up-regulates mitochondrial biogenesis markers in Brown adipose tissues of high-fat diet fed obese mice through AMPK phosphorylation. <i>Obesity Medicine</i> , 2020 , 19, 100265	2.6	3
15	Immune-microbiome interplay and its implications in neurodegenerative disorders. <i>Metabolic Brain Disease</i> , 2021 , 37, 17	3.9	3

14	A brain proteomic signature of incipient Alzheimer's disease in young β 4 carriers identifies novel drug targets. <i>Science Advances</i> , 2021 , 7, eabi8178	14.3	2
13	Unlocking the potential of TRPV1 based siRNA therapeutics for the treatment of chemotherapy-induced neuropathic pain. <i>Life Sciences</i> , 2021 , 120187	6.8	2
12	Sodium Channels: As an Eye of the Storm in Various Clinical Pathologies 2020 , 619-634		2
11	LEO1 is a partner for Cockayne syndrome protein B (CSB) in response to transcription-blocking DNA damage. <i>Nucleic Acids Research</i> , 2021 , 49, 6331-6346	20.1	2
10	Epigallocatechin-3-gallate improves chronic alcohol-induced cognitive dysfunction in rats by interfering with neuro-inflammatory, cell death and oxido-nitrosative cascade. <i>Metabolic Brain Disease</i> , 2021 , 36, 2141-2153	3.9	2
9	Synthesis and evaluation of dual fatty acid amide hydrolase-monoacylglycerol lipase inhibition and antinociceptive activities of 4-methylsulfonylaniline-derived semicarbazones.. <i>Bioorganic and Medicinal Chemistry</i> , 2022 , 60, 116698	3.4	2
8	Multifarious Targets and Recent Developments in the Therapeutics for the Management of Bone Cancer Pain. <i>ACS Chemical Neuroscience</i> , 2021 , 12, 4195-4208	5.7	1
7	Tocotrienol and Cognitive Dysfunction Induced by Alcohol 2013 , 181-202		1
6	Probing the Manipulated Neurochemical Drive in Alcohol Addiction and Novel Therapeutic Advancements. <i>ACS Chemical Neuroscience</i> , 2020 , 11, 1210-1217	5.7	0
5	Structure-based virtual screening and molecular dynamics simulation for the identification of sphingosine kinase-2 inhibitors as potential analgesics. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-19	3.6	0
4	Recent advancements in biomarker research in schizophrenia: mapping the road from bench to bedside.. <i>Metabolic Brain Disease</i> , 2022 , 1	3.9	0
3	Modulation of KIF17/NR2B crosstalk by tozasertib attenuates inflammatory pain in rats.. <i>Inflammopharmacology</i> , 2022 , 30, 549	5.1	0
2	Inhibition of pan-Aurora kinase attenuates evoked and ongoing pain in nerve injured rats via regulating KIF17-NR2B mediated signaling.. <i>International Immunopharmacology</i> , 2022 , 106, 108622	5.8	0
1	Neuropathobiology of Alcohol-Induced Cognitive Deficits 2016 , 618-626		