

# Vinod Tiwari

## List of Publications by Year in descending order

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87  
papers

3,901  
citations

117625

34  
h-index

138484

58  
g-index

94  
all docs

94  
docs citations

94  
times ranked

5120  
citing authors

#	ARTICLE	IF	CITATIONS
1	A long noncoding RNA contributes to neuropathic pain by silencing Kcna2 in primary afferent neurons. <i>Nature Neuroscience</i> , 2013, 16, 1024-1031.	14.8	319
2	Alcoholic neuropathy: possible mechanisms and future treatment possibilities. <i>British Journal of Clinical Pharmacology</i> , 2012, 73, 348-362.	2.4	178
3	Recent updates on GLP-1 agonists: Current advancements & challenges. <i>Biomedicine and Pharmacotherapy</i> , 2018, 108, 952-962.	5.6	157
4	Suppression of NF- $\kappa$ B signaling pathway by tocotrienol can prevent diabetes associated cognitive deficits. <i>Pharmacology Biochemistry and Behavior</i> , 2009, 92, 251-259.	2.9	149
5	Tmem100 Is a Regulator of TRPA1-TRPV1 Complex and Contributes to Persistent Pain. <i>Neuron</i> , 2015, 85, 833-846.	8.1	143
6	Opioid receptor-triggered spinal mTORC1 activation contributes to morphine tolerance and hyperalgesia. <i>Journal of Clinical Investigation</i> , 2014, 124, 592-603.	8.2	142
7	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, 183-189.	2.9	132
8	Selective keratinocyte stimulation is sufficient to evoke nociception in mice. <i>Pain</i> , 2015, 156, 656-665.	4.2	121
9	Diabetic nephropathy: New insights into established therapeutic paradigms and novel molecular targets. <i>Diabetes Research and Clinical Practice</i> , 2017, 128, 91-108.	2.8	118
10	Curcumin ameliorates reserpine-induced pain-depression dyad: Behavioural, biochemical, neurochemical and molecular evidences. <i>Psychoneuroendocrinology</i> , 2011, 36, 1570-1581.	2.7	114
11	Kaempferol attenuates diabetic nephropathy by inhibiting RhoA/Rho-kinase mediated inflammatory signalling. <i>Biomedicine and Pharmacotherapy</i> , 2019, 109, 1610-1619.	5.6	88
12	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.	2.2	85
13	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, no-no.	3.9	78
14	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, 1744-8069-10-8.	2.1	77
15	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.	5.5	76
16	Modulating the delicate glial-neuronal interactions in neuropathic pain: Promises and potential caveats. <i>Neuroscience and Biobehavioral Reviews</i> , 2014, 45, 19-27.	6.1	74
17	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, 861-869.	3.8	73
18	Sesamol Suppresses Neuro-Inflammatory Cascade in Experimental Model of Diabetic Neuropathy. <i>Journal of Pain</i> , 2010, 11, 950-957.	1.4	71

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19	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.	4.2	63
20	Attenuation of oxidative stress, neuroinflammation, and apoptosis by curcumin prevents cognitive deficits in rats postnatally exposed to ethanol. <i>Psychopharmacology</i> , 2012, 224, 519-535.	3.1	61
21	<i>Emblica officinalis</i> Corrects Functional, Biochemical and Molecular Deficits in Experimental Diabetic Neuropathy by Targeting the Oxidative Nitrosative Stress Mediated Inflammatory Cascade. <i>Phytotherapy Research</i> , 2011, 25, 1527-1536.	5.8	59
22	Protective effect of curcumin against chronic alcohol-induced cognitive deficits and neuroinflammation in the adult rat brain. <i>Neuroscience</i> , 2013, 244, 147-158.	2.3	58
23	Astaxanthin ameliorates behavioral and biochemical alterations in in-vitro and in-vivo model of neuropathic pain. <i>Neuroscience Letters</i> , 2018, 674, 162-170.	2.1	55
24	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.	7.1	53
25	Activation of cannabinoid CB1 receptor contributes to suppression of spinal nociceptive transmission and inhibition of mechanical hypersensitivity by A $\delta$ -fiber stimulation. <i>Pain</i> , 2016, 157, 2582-2593.	4.2	50
26	Cellular and molecular mechanisms driving neuropathic pain: recent advancements and challenges. <i>Expert Opinion on Therapeutic Targets</i> , 2018, 22, 131-142.	3.4	50
27	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.	6.1	47
28	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, 978-988.	2.8	46
29	Activation of $\mu$ -opioid receptor heteromers inhibits neuropathic pain behavior in rodents. <i>Pain</i> , 2020, 161, 842-855.	4.2	43
30	Tocotrienol ameliorates behavioral and biochemical alterations in the rat model of alcoholic neuropathy. <i>Pain</i> , 2009, 145, 129-135.	4.2	40
31	Activation of Peripheral $\delta$ -opioid Receptors by Dermorphin [ $\delta$ -Arg2, Lys4] (1-4) Amide Leads to Modality-preferred Inhibition of Neuropathic Pain. <i>Anesthesiology</i> , 2016, 124, 706-720.	2.5	40
32	Peripherally Acting $\delta$ -Opioid Receptor Agonists Attenuate Ongoing Pain-associated Behavior and Spontaneous Neuronal Activity after Nerve Injury in Rats. <i>Anesthesiology</i> , 2018, 128, 1220-1236.	2.5	39
33	MrgC agonism at central terminals of primary sensory neurons inhibits neuropathic pain. <i>Pain</i> , 2014, 155, 534-544.	4.2	38
34	Short-term pre- and post-Operative Stress Prolongs Incision-Induced Pain Hypersensitivity without Changing Basal Pain Perception. <i>Molecular Pain</i> , 2015, 11, s12990-015-0077.	2.1	37
35	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.	1.2	37
36	Modulation of nitrenergic pathway by sesamol prevents cognitive deficits and associated biochemical alterations in intracerebroventricular streptozotocin administered rats. <i>European Journal of Pharmacology</i> , 2011, 659, 177-186.	3.5	36

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37	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.	2.1	33
38	Promising traditional Indian medicinal plants for the management of novel Coronavirus disease: A systematic review. <i>Phytotherapy Research</i> , 2021, 35, 4456-4484.	5.8	33
39	Tetramethylpyrazine prevents diabetes by activating PI3K/Akt/GLUT-4 signalling in animal model of type-2 diabetes. <i>Life Sciences</i> , 2019, 236, 116836.	4.3	32
40	Current and emerging roles of Cockayne syndrome group B (CSB) protein. <i>Nucleic Acids Research</i> , 2021, 49, 2418-2434.	14.5	30
41	A comprehensive review on pharmacology of efflux pumps and their inhibitors in antibiotic resistance. <i>European Journal of Pharmacology</i> , 2021, 903, 174151.	3.5	30
42	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.	2.6	28
43	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, 490-496.	2.5	27
44	Epigallocatechin-3-gallate ameliorates alcohol-induced cognitive dysfunctions and apoptotic neurodegeneration in the developing rat brain. <i>International Journal of Neuropsychopharmacology</i> , 2010, 13, 1053-1066.	2.1	26
45	Cockayne syndrome proteins CSA and CSB maintain mitochondrial homeostasis through NAD <sup>+</sup> signaling. <i>Aging Cell</i> , 2020, 19, e13268.	6.7	26
46	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> , 2022, 40, 3609-3625.	3.5	25
47	Unlocking the potential of TRPV1 based siRNA therapeutics for the treatment of chemotherapy-induced neuropathic pain. <i>Life Sciences</i> , 2022, 288, 120187.	4.3	25
48	Amelioration of functional, biochemical and molecular deficits by epigallocatechin gallate in experimental model of alcoholic neuropathy. <i>European Journal of Pain</i> , 2011, 15, 286-292.	2.8	24
49	Temporal changes in MrgC expression after spinal nerve injury. <i>Neuroscience</i> , 2014, 261, 43-51.	2.3	24
50	Activation of MrgC receptor inhibits N-type calcium channels in small-diameter primary sensory neurons in mice. <i>Pain</i> , 2014, 155, 1613-1621.	4.2	24
51	Electrical Stimulation of Dorsal Root Entry Zone Attenuates Wide-Dynamic-Range Neuronal Activity in Rats. <i>Neuromodulation</i> , 2015, 18, 33-40.	0.8	24
52	A brain proteomic signature of incipient Alzheimer's disease in young $\epsilon$ 4 carriers identifies novel drug targets. <i>Science Advances</i> , 2021, 7, eabi8178.	10.3	23
53	Neuroprotective effects of silibinin: an <i>in silico</i> and <i>in vitro</i> study. <i>International Journal of Neuroscience</i> , 2018, 128, 935-945.	1.6	22
54	Tetramethylpyrazine alleviates diabetic nephropathy through the activation of Akt signalling pathway in rats. <i>European Journal of Pharmacology</i> , 2019, 865, 172763.	3.5	22

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55	Epigallocatechin gallate ameliorates chronic fatigue syndrome in mice: Behavioral and biochemical evidence. <i>Behavioural Brain Research</i> , 2009, 205, 414-420.	2.2	21
56	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.	2.1	19
57	Tozasertib Attenuates Neuropathic Pain by Interfering with Aurora Kinase and KIF11 Mediated Nociception. <i>ACS Chemical Neuroscience</i> , 2021, 12, 1948-1960.	3.5	19
58	Attenuation of NF- $\kappa$ B mediated apoptotic signaling by tocotrienol ameliorates cognitive deficits in rats postnatally exposed to ethanol. <i>Neurochemistry International</i> , 2012, 61, 310-320.	3.8	18
59	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.	1.6	18
60	Neuroprotective Effect of Vitamin E Isoforms Against Chronic Alcohol-Induced Peripheral Neurotoxicity: Possible Involvement of Oxidative-Nitrosative Stress. <i>Phytotherapy Research</i> , 2012, 26, 1738-1745.	5.8	17
61	Attenuation of ongoing neuropathic pain by peripheral acting opioid involves activation of central dopaminergic neurocircuitry. <i>Neuroscience Letters</i> , 2021, 754, 135751.	2.1	17
62	Oligomerization of MrgC11 and $\delta$ -opioid receptors in sensory neurons enhances morphine analgesia. <i>Science Signaling</i> , 2018, 11, .	3.6	16
63	Underpinning the Neurobiological Intricacies Associated with Opioid Tolerance. <i>ACS Chemical Neuroscience</i> , 2020, 11, 830-839.	3.5	15
64	A network map of endothelin mediated signaling pathway. <i>Journal of Cell Communication and Signaling</i> , 2021, 15, 277-282.	3.4	15
65	Modulation of KIF17/NR2B crosstalk by tozasertib attenuates inflammatory pain in rats. <i>Inflammopharmacology</i> , 2022, 30, 549-563.	3.9	15
66	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.	3.8	15
67	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, 592-598.	0.8	14
68	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.	2.1	14
69	Multifarious Targets and Recent Developments in the Therapeutics for the Management of Bone Cancer Pain. <i>ACS Chemical Neuroscience</i> , 2021, 12, 4195-4208.	3.5	14
70	The inhibition of high-voltage-activated calcium current by activation of MrgC11 involves phospholipase C-dependent mechanisms. <i>Neuroscience</i> , 2015, 300, 393-403.	2.3	13
71	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.	2.9	13
72	Adenosine receptor signalling: Probing the potential pathways for the ministration of neuropathic pain. <i>European Journal of Pharmacology</i> , 2020, 889, 173619.	3.5	12

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73	Natural Products and some Semi-synthetic Analogues as Potential TRPV1 Ligands for Attenuating Neuropathic Pain. <i>Current Pharmaceutical Biotechnology</i> , 2022, 23, 766-786.	1.6	12
74	Kinesins: Motor Proteins as Novel Target for the Treatment of Chronic Pain. <i>Molecular Neurobiology</i> , 2019, 56, 3854-3864.	4.0	11
75	Kinesin Nanomotors Mediated Trafficking of NMDA-Loaded Cargo as A Novel Target in Chronic Pain. <i>ACS Chemical Neuroscience</i> , 2021, 12, 2956-2963.	3.5	10
76	Emerging role of nanomedicine in the treatment of neuropathic pain. <i>Journal of Drug Targeting</i> , 2020, 28, 11-22.	4.4	9
77	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.	14.5	8
78	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> , 2022, 40, 12472-12490.	3.5	8
79	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.	3.0	6
80	Immune-microbiome interplay and its implications in neurodegenerative disorders. <i>Metabolic Brain Disease</i> , 2022, 37, 17-37.	2.9	5
81	Recent advancements in biomarker research in schizophrenia: mapping the road from bench to bedside. <i>Metabolic Brain Disease</i> , 2022, 37, 2197-2211.	2.9	5
82	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.	0.9	4
83	Decrypting the cellular and molecular intricacies associated with COVID-19-induced chronic pain. <i>Metabolic Brain Disease</i> , 2022, 37, 2629-2642.	2.9	4
84	Sodium Channels: As an Eye of the Storm in Various Clinical Pathologies. , 2020, , 619-634.		3
85	Tocotrienol and Cognitive Dysfunction Induced by Alcohol. , 2013, , 181-202.		2
86	Probing the Manipulated Neurochemical Drive in Alcohol Addiction and Novel Therapeutic Advancements. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1210-1217.	3.5	1
87	Neuropathobiology of Alcohol-Induced Cognitive Deficits. , 2016, , 618-626.		0