Vinod Tiwari

List of Publications by Year in Descending Order

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	Recent advancements in biomarker research in schizophrenia: mapping the road from bench to bedside.. *Metabolic Brain Disease*, **2022**, 1	3.9	0
84	Modulation of KIF17/NR2B crosstalk by tozasertib attenuates inflammatory pain in rats.. *Inflammopharmacology*, **2022**, 30, 549	5.1	0
83	Synthesis and evaluation of dual fatty acid amide hydrolase-monoacylglycerol lipase inhibition and antinociceptive activities of 4-methylsulfonylaniline-derived semicarbazones.. *Bioorganic and Medicinal Chemistry*, **2022**, 60, 116698	3.4	2
82	Inhibition of pan-Aurora kinase attenuates evoked and ongoing pain in nerve injured rats via regulating KIF17-NR2B mediated signaling.. *International Immunopharmacology*, **2022**, 106, 108622	5.8	0
81	A brain proteomic signature of incipient Alzheimer□s disease in young □4 carriers identifies novel drug targets. *Science Advances*, **2021**, 7, eabi8178	14.3	2
80	Unlocking the potential of TRPV1 based siRNA therapeutics for the treatment of chemotherapy-induced neuropathic pain. *Life Sciences*, **2021**, 120187	6.8	2
79	Multifarious Targets and Recent Developments in the Therapeutics for the Management of Bone Cancer Pain. *ACS Chemical Neuroscience*, **2021**, 12, 4195-4208	5.7	1
78	Tuberculosis: An Update on Pathophysiology, Molecular Mechanisms of Drug Resistance, Newer Anti-TB Drugs, Treatment Regimens and Host- Directed Therapies. *Current Topics in Medicinal Chemistry*, **2021**, 21, 547-570	3	5
77	Attenuation of ongoing neuropathic pain by peripheral acting opioid involves activation of central dopaminergic neurocircuitry. *Neuroscience Letters*, **2021**, 754, 135751	3.3	7
76	Tozasertib Attenuates Neuropathic Pain by Interfering with Aurora Kinase and KIF11 Mediated Nociception. *ACS Chemical Neuroscience*, **2021**, 12, 1948-1960	5.7	9
75	Promising traditional Indian medicinal plants for the management of novel Coronavirus disease: A systematic review. *Phytotherapy Research*, **2021**, 35, 4456-4484	6.7	7
74	LEO1 is a partner for Cockayne syndrome protein B (CSB) in response to transcription-blocking DNA damage. *Nucleic Acids Research*, **2021**, 49, 6331-6346	20.1	2
73	A comprehensive review on pharmacology of efflux pumps and their inhibitors in antibiotic resistance. *European Journal of Pharmacology*, **2021**, 903, 174151	5.3	5
72	Kinesin Nanomotors Mediated Trafficking of NMDA-Loaded Cargo as A Novel Target in Chronic Pain. *ACS Chemical Neuroscience*, **2021**, 12, 2956-2963	5.7	4
71	A network map of endothelin mediated signaling pathway. *Journal of Cell Communication and Signaling*, **2021**, 15, 277-282	5.2	5
70	Current and emerging roles of Cockayne syndrome group B (CSB) protein. *Nucleic Acids Research*, **2021**, 49, 2418-2434	20.1	11
69	Immune-microbiome interplay and its implications in neurodegenerative disorders. *Metabolic Brain Disease*, **2021**, 37, 17	3.9	3

68	Epigallocatechin-3-gallate improves chronic alcohol-induced cognitive dysfunction in rats by interfering with neuro-inflammatory, cell death and oxido-nitrosative cascade. *Metabolic Brain Disease*, **2021**, 36, 2141-2153	3.9	2
67	ADMET Profiling in Drug Discovery and Development: Perspectives of In Silico, In Vitro and Integrated Approaches. *Current Drug Metabolism*, **2021**, 22, 503-522	3.5	4
66	Structure-based virtual screening and molecular dynamics simulation for the identification of sphingosine kinase-2 inhibitors as potential analgesics. *Journal of Biomolecular Structure and Dynamics*, **2021**, 1-19	3.6	0
65	Underpinning the Neurobiological Intricacies Associated with Opioid Tolerance. *ACS Chemical Neuroscience*, **2020**, 11, 830-839	5.7	10
64	Probing the Manipulated Neurochemical Drive in Alcohol Addiction and Novel Therapeutic Advancements. *ACS Chemical Neuroscience*, **2020**, 11, 1210-1217	5.7	0
63	Sodium Channels: As an Eye of the Storm in Various Clinical Pathologies **2020**, 619-634		2
62	Amelioration of diet-induced metabolic syndrome and fatty liver with sitagliptin via regulation of adipose tissue inflammation and hepatic Adiponectin/AMPK levels in mice. *Biochimie*, **2020**, 168, 198-209	4.6	16
61	Activation of μ-δ opioid receptor heteromers inhibits neuropathic pain behavior in rodents. *Pain*, **2020**, 161, 842-855	8	24
60	Adenosine receptor signalling: Probing the potential pathways for the ministration of neuropathic pain. *European Journal of Pharmacology*, **2020**, 889, 173619	5.3	4
59	Sitagliptin mitigates oxidative stress and up-regulates mitochondrial biogenesis markers in Brown adipose tissues of high-fat diet fed obese mice through AMPK phosphorylation. *Obesity Medicine*, **2020**, 19, 100265	2.6	3
58	Targeting SARS-CoV-2 main protease: structure based virtual screening, in silico ADMET studies and molecular dynamics simulation for identification of potential inhibitors. *Journal of Biomolecular Structure and Dynamics*, **2020**, 1-17	3.6	10
57	Cockayne syndrome proteins CSA and CSB maintain mitochondrial homeostasis through NAD signaling. *Aging Cell*, **2020**, 19, e13268	9.9	14
56	Emerging role of nanomedicine in the treatment of neuropathic pain. *Journal of Drug Targeting*, **2020**, 28, 11-22	5.4	6
55	Tetramethylpyrazine prevents diabetes by activating PI3K/Akt/GLUT-4 signalling in animal model of type-2 diabetes. *Life Sciences*, **2019**, 236, 116836	6.8	15
54	Tetramethylpyrazine alleviates diabetic nephropathy through the activation of Akt signalling pathway in rats. *European Journal of Pharmacology*, **2019**, 865, 172763	5.3	13
53	Design and development of multitarget-directed N-Benzylpiperidine analogs as potential candidates for the treatment of Alzheimer's disease. *European Journal of Medicinal Chemistry*, **2019**, 167, 510-524	6.8	49
52	Kinesins: Motor Proteins as Novel Target for the Treatment of Chronic Pain. *Molecular Neurobiology* , **2019**, 56, 3854-3864	6.2	5
51	Kaempferol attenuates diabetic nephropathy by inhibiting RhoA/Rho-kinase mediated inflammatory signalling. *Biomedicine and Pharmacotherapy*, **2019**, 109, 1610-1619	7.5	40

50	Neuroprotective effects of silibinin: an in silico and in vitro study. *International Journal of Neuroscience*, **2018**, 128, 935-945	2	12
49	Cellular and molecular mechanisms driving neuropathic pain: recent advancements and challenges. *Expert Opinion on Therapeutic Targets*, **2018**, 22, 131-142	6.4	29
48	Peripherally Acting Opioid Receptor Agonists Attenuate Ongoing Pain-associated Behavior and Spontaneous Neuronal Activity after Nerve Injury in Rats. *Anesthesiology*, **2018**, 128, 1220-1236	4.3	24
47	Astaxanthin ameliorates behavioral and biochemical alterations in in-vitro and in-vivo model of neuropathic pain. *Neuroscience Letters*, **2018**, 674, 162-170	3.3	35
46	Oligomerization of MrgC11 and opioid receptors in sensory neurons enhances morphine analgesia. *Science Signaling*, **2018**, 11,	8.8	14
45	Recent updates on GLP-1 agonists: Current advancements & challenges. *Biomedicine and Pharmacotherapy*, **2018**, 108, 952-962	7.5	95
44	Targeting human Mas-related G protein-coupled receptor X1 to inhibit persistent pain. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E1996-E2005	11.5	34
43	Diabetic nephropathy: New insights into established therapeutic paradigms and novel molecular targets. *Diabetes Research and Clinical Practice*, **2017**, 128, 91-108	7.4	78
42	Crosstalk between endoplasmic reticulum stress and oxidative stress in schizophrenia: The dawn of new therapeutic approaches. *Neuroscience and Biobehavioral Reviews*, **2017**, 83, 589-603	9	22
41	Activation of cannabinoid CB1 receptor contributes to suppression of spinal nociceptive transmission and inhibition of mechanical hypersensitivity by A Fiber stimulation. *Pain*, **2016**, 157, 2582-2593	8	37
40	Activation of Peripheral opioid Receptors by Dermorphin [D-Arg2, Lys4] (1-4) Amide Leads to Modality-preferred Inhibition of Neuropathic Pain. *Anesthesiology*, **2016**, 124, 706-20	4.3	29
39	Mas-Related G Protein-Coupled Receptors Offer Potential New Targets for Pain Therapy. *Advances in Experimental Medicine and Biology*, **2016**, 904, 87-103	3.6	14
38	Neuropathobiology of Alcohol-Induced Cognitive Deficits **2016**, 618-626		
37	Selective keratinocyte stimulation is sufficient to evoke nociception in mice. *Pain*, **2015**, 156, 656-665	8	81
36	Short-term pre- and post-operative stress prolongs incision-induced pain hypersensitivity without changing basal pain perception. *Molecular Pain*, **2015**, 11, 73	3.4	25
35	Effects of Combined Electrical Stimulation of the Dorsal Column and Dorsal Roots on Wide-Dynamic-Range Neuronal Activity in Nerve-Injured Rats. *Neuromodulation*, **2015**, 18, 592-7; discussion 598	3.1	9
34	Electrical stimulation of dorsal root entry zone attenuates wide-dynamic-range neuronal activity in rats. *Neuromodulation*, **2015**, 18, 33-40; discussion 40	3.1	15
33	The inhibition of high-voltage-activated calcium current by activation of MrgC11 involves phospholipase C-dependent mechanisms. *Neuroscience*, **2015**, 300, 393-403	3.9	12

32	Tmem100 Is a Regulator of TRPA1-TRPV1 Complex and Contributes to Persistent Pain. *Neuron*, **2015**, 85, 833-46	13.9	105
31	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. *Pain*, **2015**, 156, 1008-1017	8	39
30	Impaired neuropathic pain and preserved acute pain in rats overexpressing voltage-gated potassium channel subunit Kv1.2 in primary afferent neurons. *Molecular Pain*, **2014**, 10, 8	3.4	59
29	Modulating the delicate glial-neuronal interactions in neuropathic pain: promises and potential caveats. *Neuroscience and Biobehavioral Reviews*, **2014**, 45, 19-27	9	58
28	MrgC agonism at central terminals of primary sensory neurons inhibits neuropathic pain. *Pain*, **2014** , 155, 534-544	8	32
27	Suppression of spinal connexin 43 expression attenuates mechanical hypersensitivity in rats after an L5 spinal nerve injury. *Neuroscience Letters*, **2014**, 566, 194-199	3.3	26
26	Intrathecal carbenoxolone inhibits neuropathic pain and spinal wide-dynamic range neuronal activity in rats after an L5 spinal nerve injury. *Neuroscience Letters*, **2014**, 563, 45-50	3.3	16
25	Activation of MrgC receptor inhibits N-type calcium channels in small-diameter primary sensory neurons in mice. *Pain*, **2014**, 155, 1613-1621	8	20
24	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. *European Journal of Pain*, **2014**, 18, 978-88	3.7	32
23	Temporal changes in MrgC expression after spinal nerve injury. *Neuroscience*, **2014**, 261, 43-51	3.9	21
22	Opioid receptor-triggered spinal mTORC1 activation contributes to morphine tolerance and hyperalgesia. *Journal of Clinical Investigation*, **2014**, 124, 592-603	15.9	116
21	Resveratrol abrogates alcohol-induced cognitive deficits by attenuating oxidative-nitrosative stress and inflammatory cascade in the adult rat brain. *Neurochemistry International*, **2013**, 62, 861-9	4.4	65
20	A long noncoding RNA contributes to neuropathic pain by silencing Kcna2 in primary afferent neurons. *Nature Neuroscience*, **2013**, 16, 1024-31	25.5	251
19	Protective effect of curcumin against chronic alcohol-induced cognitive deficits and neuroinflammation in the adult rat brain. *Neuroscience*, **2013**, 244, 147-58	3.9	49
18	Tocotrienol and Cognitive Dysfunction Induced by Alcohol **2013**, 181-202		1
17	Attenuation of NF-□mediated apoptotic signaling by tocotrienol ameliorates cognitive deficits in rats postnatally exposed to ethanol. *Neurochemistry International*, **2012**, 61, 310-20	4.4	15
16	Attenuation of oxidative stress, neuroinflammation, and apoptosis by curcumin prevents cognitive deficits in rats postnatally exposed to ethanol. *Psychopharmacology*, **2012**, 224, 519-35	4.7	52
15	Neuroprotective effect of vitamin E isoforms against chronic alcohol-induced peripheral neurotoxicity: possible involvement of oxidative-nitrodative stress. *Phytotherapy Research*, **2012**, 26, 1738-45	6.7	16

14	Alcoholic neuropathy: possible mechanisms and future treatment possibilities. *British Journal of Clinical Pharmacology*, **2012**, 73, 348-62	3.8	115
13	Resveratrol prevents alcohol-induced cognitive deficits and brain damage by blocking inflammatory signaling and cell death cascade in neonatal rat brain. *Journal of Neurochemistry*, **2011**, 117, 678-90	6	73
12	Curcumin ameliorates reserpine-induced pain-depression dyad: behavioural, biochemical, neurochemical and molecular evidences. *Psychoneuroendocrinology*, **2011**, 36, 1570-81	5	99
11	Modulation of nitrergic pathway by sesamol prevents cognitive deficits and associated biochemical alterations in intracerebroventricular streptozotocin administered rats. *European Journal of Pharmacology*, **2011**, 659, 177-86	5.3	29
10	Emblica officinalis corrects functional, biochemical and molecular deficits in experimental diabetic neuropathy by targeting the oxido-nitrosative stress mediated inflammatory cascade. *Phytotherapy Research*, **2011**, 25, 1527-36	6.7	41
9	Amelioration of functional, biochemical and molecular deficits by epigallocatechin gallate in experimental model of alcoholic neuropathy. *European Journal of Pain*, **2011**, 15, 286-92	3.7	20
8	Protective effect of epigallocatechin gallate in murine water-immersion stress model of chronic fatigue syndrome. *Basic and Clinical Pharmacology and Toxicology*, **2010**, 106, 490-6	3.1	26
7	Epigallocatechin-3-gallate ameliorates alcohol-induced cognitive dysfunctions and apoptotic neurodegeneration in the developing rat brain. *International Journal of Neuropsychopharmacology*, **2010**, 13, 1053-66	5.8	22
6	Sesamol suppresses neuro-inflammatory cascade in experimental model of diabetic neuropathy. *Journal of Pain*, **2010**, 11, 950-7	5.2	59
5	Tocotrienol ameliorates behavioral and biochemical alterations in the rat model of alcoholic neuropathy. *Pain*, **2009**, 145, 129-35	8	36
4	Suppression of NF-kappabeta signaling pathway by tocotrienol can prevent diabetes associated cognitive deficits. *Pharmacology Biochemistry and Behavior*, **2009**, 92, 251-9	3.9	134
3	Chronic treatment with tocotrienol, an isoform of vitamin E, prevents intracerebroventricular streptozotocin-induced cognitive impairment and oxidative-nitrosative stress in rats. *Pharmacology Biochemistry and Behavior*, **2009**, 93, 183-9	3.9	107
2	Suppression of neuro-inflammatory signaling cascade by tocotrienol can prevent chronic alcohol-induced cognitive dysfunction in rats. *Behavioural Brain Research*, **2009**, 203, 296-303	3.4	68
1	Epigallocatechin gallate ameliorates chronic fatigue syndrome in mice: behavioral and biochemical evidence. *Behavioural Brain Research*, **2009**, 205, 414-20	3.4	17