

Rajesh Kumar Goel

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

2,316
citations

186254

28
h-index

233409

45
g-index

74
all docs

74
docs citations

74
times ranked

2818
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms pertaining to arsenic toxicity. <i>Toxicology International</i> , 2011, 18, 87.	0.1	222
2	Traditional uses, phytochemistry and pharmacology of <i>Ficus religiosa</i> : A review. <i>Journal of Ethnopharmacology</i> , 2011, 134, 565-583.	4.1	162
3	PASS-assisted exploration of new therapeutic potential of natural products. <i>Medicinal Chemistry Research</i> , 2011, 20, 1509-1514.	2.4	134
4	Chemo- and bioinformatics resources for in silico drug discovery from medicinal plants beyond their traditional use: a critical review. <i>Natural Product Reports</i> , 2014, 31, 1585-1611.	10.3	104
5	Ameliorative effect of Curcumin on seizure severity, depression like behavior, learning and memory deficit in post-pentylentetrazole-kindled mice. <i>European Journal of Pharmacology</i> , 2013, 704, 33-40.	3.5	93
6	PASS assisted prediction and pharmacological evaluation of novel nicotinic analogs for nootropic activity in mice. <i>European Journal of Pharmacology</i> , 2011, 662, 22-30.	3.5	82
7	Neuroprotective effect of <i>Allium cepa</i> L. in aluminium chloride induced neurotoxicity. <i>NeuroToxicology</i> , 2015, 49, 1-7.	3.0	69
8	Anticonvulsant mechanisms of piperine, a piperidine alkaloid. <i>Channels</i> , 2015, 9, 317-323.	2.8	62
9	Anticonvulsant effect of <i>Ficus religiosa</i> : Role of serotonergic pathways. <i>Journal of Ethnopharmacology</i> , 2009, 123, 330-334.	4.1	59
10	Dual protective effect of <i>Passiflora incarnata</i> in epilepsy and associated post-ictal depression. <i>Journal of Ethnopharmacology</i> , 2012, 139, 273-279.	4.1	56
11	Pathological Perturbations in Diabetic Retinopathy: Hyperglycemia, AGEs, Oxidative Stress and Inflammatory Pathways. <i>Current Protein and Peptide Science</i> , 2018, 20, 92-110.	1.4	55
12	How good are publicly available web services that predict bioactivity profiles for drug repurposing?. SAR and QSAR in Environmental Research, 2017, 28, 843-862.	2.2	51
13	Effect of saponin fraction from <i>Ficus religiosa</i> on memory deficit, and behavioral and biochemical impairments in pentylentetrazol kindled mice. <i>Epilepsy and Behavior</i> , 2013, 27, 206-211.	1.7	47
14	Gastroprotective effect of <i>Acacia nilotica</i> young seedless pod extract: Role of polyphenolic constituents. <i>Asian Pacific Journal of Tropical Medicine</i> , 2012, 5, 523-528.	0.8	41
15	Adjuvant quercetin therapy for combined treatment of epilepsy and comorbid depression. <i>Neurochemistry International</i> , 2017, 104, 27-33.	3.8	40
16	PTZ kindling model for epileptogenesis, refractory epilepsy, and associated comorbidities: relevance and reliability. <i>Metabolic Brain Disease</i> , 2021, 36, 1573-1590.	2.9	38
17	Anti-Convulsant Activity of <i>Boerhaavia diffusa</i> : Plausible Role of Calcium Channel Antagonism. Evidence-based Complementary and Alternative Medicine, 2011, 2011, 1-7.	1.2	37
18	Age dependent learning and memory deficit in Pentylentetrazol kindled mice. <i>European Journal of Pharmacology</i> , 2012, 674, 315-320.	3.5	36

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19	PASS-predicted design, synthesis and biological evaluation of cyclic nitrones as nootropics. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 5251-5255.	2.2	35
20	Evaluation of anti-hyperglycemic activity of some novel monocyclic beta lactams. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2004, 7, 80-3.	2.1	34
21	Comparative behavioral and neurochemical analysis of phenytoin and valproate treatment on epilepsy induced learning and memory deficit: Search for add on therapy. <i>Metabolic Brain Disease</i> , 2015, 30, 951-958.	2.9	33
22	Revealing pharmacodynamics of medicinal plants using in silico approach: A case study with wet lab validation. <i>Computers in Biology and Medicine</i> , 2014, 47, 1-6.	7.0	31
23	Protective Effect of Nerolidol Against Pentylene-tetrazol-Induced Kindling, Oxidative Stress and Associated Behavioral Comorbidities in Mice. <i>Neurochemical Research</i> , 2016, 41, 2859-2867.	3.3	31
24	Quinazolines revisited: search for novel anxiolytic and GABAergic agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 2145-2148.	2.2	30
25	Psychoneurochemical Investigations to Reveal Neurobiology of Memory Deficit in Epilepsy. <i>Neurochemical Research</i> , 2013, 38, 2503-2515.	3.3	30
26	Pharmacological validation of in-silico guided novel nootropic potential of <i>Achyranthes aspera</i> L.. <i>Journal of Ethnopharmacology</i> , 2015, 175, 324-334.	4.1	30
27	Ferulic Acid Supplementation for Management of Depression in Epilepsy. <i>Neurochemical Research</i> , 2017, 42, 2940-2948.	3.3	30
28	Anti-inflammatory, analgesic and antipyretic activity of aqueous extract of fresh leaves of <i>Coccinia indica</i> . <i>Inflammopharmacology</i> , 2009, 17, 239-244.	3.9	29
29	Adjuvant indoleamine 2,3-dioxygenase enzyme inhibition for comprehensive management of epilepsy and comorbid depression. <i>European Journal of Pharmacology</i> , 2016, 784, 111-120.	3.5	28
30	Differential content of secondary metabolites in diploid and tetraploid cytotypes of <i>Siegesbeckia orientalis</i> L.. <i>Natural Product Research</i> , 2018, 32, 2476-2482.	1.8	28
31	Anti-amnesic effect of <i>Ficus religiosa</i> in scopolamine-induced anterograde and retrograde amnesia. <i>Pharmaceutical Biology</i> , 2010, 48, 234-240.	2.9	27
32	Chronic 5-HT ₃ receptor antagonism ameliorates seizures and associated memory deficit in pentylenetetrazole-kindled mice. <i>Neuroscience</i> , 2016, 339, 319-328.	2.3	26
33	Anticonvulsant activity and acute neurotoxic profile of <i>Achyranthes aspera</i> Linn.. <i>Journal of Ethnopharmacology</i> , 2017, 202, 97-102.	4.1	26
34	Epilepsy Associated Depression: An Update on Current Scenario, Suggested Mechanisms, and Opportunities. <i>Neurochemical Research</i> , 2021, 46, 1305-1321.	3.3	25
35	Agmatine for combined treatment of epilepsy, depression and cognitive impairment in chronic epileptic animals. <i>Biomedicine and Pharmacotherapy</i> , 2017, 92, 720-725.	5.6	24
36	Adjuvant Anticholinesterase Therapy for the Management of Epilepsy-Induced Memory Deficit: A Critical Pre-clinical Study. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2014, 115, 512-517.	2.5	21

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37	PASS-assisted exploration of antidepressant activity of 1,3,4-trisubstituted- β -lactam derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 5347-5349.	2.2	20
38	<i>Ficus religiosa</i> L. figs – A potential herbal adjuvant to phenytoin for improved management of epilepsy and associated behavioral comorbidities. <i>Epilepsy and Behavior</i> , 2014, 41, 171-178.	1.7	20
39	Ameliorative effect of <i>Asparagus racemosus</i> root extract against pentylenetetrazol-induced kindling and associated depression and memory deficit. <i>Epilepsy and Behavior</i> , 2016, 57, 196-201.	1.7	20
40	Naturally occurring himachalenes to benzocycloheptene amino vinyl bromide derivatives: as antidepressant molecules. <i>Molecular Diversity</i> , 2012, 16, 357-366.	3.9	19
41	Evidence in support of using a neurochemistry approach to identify therapy for both epilepsy and associated depression. <i>Epilepsy and Behavior</i> , 2016, 61, 248-257.	1.7	19
42	Revealing Medicinal Plants That Are Useful for the Comprehensive Management of Epilepsy and Associated Comorbidities through In Silico Mining of Their Phytochemical Diversity. <i>Planta Medica</i> , 2015, 81, 495-506.	1.3	18
43	<i>Asparagus adscendens</i> root extract enhances cognition and protects against scopolamine induced amnesia: An in-silico and in-vivo studies. <i>Chemico-Biological Interactions</i> , 2016, 260, 208-218.	4.0	18
44	Managing epilepsy-associated depression: Serotonin enhancers or serotonin producers?. <i>Epilepsy and Behavior</i> , 2017, 66, 93-99.	1.7	18
45	Effect of rosiglitazone in sodium arsenite-induced experimental vascular endothelial dysfunction. <i>Archives of Pharmacal Research</i> , 2010, 33, 611-618.	6.3	17
46	Pharmacological repositioning of <i>Achyranthes aspera</i> as an antidepressant using pharmacoinformatic tools PASS and PharmaExpert: a case study with wet lab validation. <i>SAR and QSAR in Environmental Research</i> , 2018, 29, 69-81.	2.2	16
47	Combined network pharmacology and virtual reverse pharmacology approaches for identification of potential targets to treat vascular dementia. <i>Scientific Reports</i> , 2020, 10, 257.	3.3	16
48	Proconvulsant potential of cyproheptadine in experimental animal models. <i>Fundamental and Clinical Pharmacology</i> , 2010, 24, 451-455.	1.9	15
49	Role of saponins for the anticonvulsant effect of adventitious roots of <i>Ficus religiosa</i> . <i>Pharmaceutical Biology</i> , 2012, 50, 816-822.	2.9	14
50	Design, synthesis, and PASS-assisted evaluation of novel 2-substituted benzimidazole derivatives as potent anthelmintics. <i>Medicinal Chemistry Research</i> , 2014, 23, 2690-2697.	2.4	13
51	Adjuvant neuronal nitric oxide synthase inhibition for combined treatment of epilepsy and comorbid depression. <i>Pharmacological Reports</i> , 2017, 69, 143-149.	3.3	11
52	Relative Safety of Different Antidepressants for Treatment of Depression in Chronic Epileptic Animals Associated with Depression. <i>Journal of Epilepsy Research</i> , 2017, 7, 25-32.	0.4	11
53	Assessment of anxiolytic effect of nerolidol in mice. <i>Indian Journal of Pharmacology</i> , 2016, 48, 450.	0.7	11
54	Protective effect on phenytoin-induced cognition deficit in pentylenetetrazol kindled mice: A repertoire of <i>Glycyrrhiza glabra</i> flavonoid antioxidants. <i>Pharmaceutical Biology</i> , 2015, 54, 1-10.	2.9	10

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55	PASS assisted search and evaluation of some azetidin-2-ones as C.N.S. active agents. Journal of Pharmacy and Pharmaceutical Sciences, 2005, 8, 182-9.	2.1	10
56	Anticonvulsant mechanism of saponins fraction from adventitious roots of <i>Ficus religiosa</i> : possible modulation of GABAergic, calcium and sodium channel functions. Revista Brasileira De Farmacognosia, 2016, 26, 579-585.	1.4	9
57	Neurochemical evidence based suggested therapy for safe management of epileptogenesis. Epilepsy and Behavior, 2017, 72, 8-16.	1.7	9
58	Taurine supplementation to anti-seizure drugs as the promising approach to treat pharmacoresistant epilepsy: A pre-clinical study. International Journal of Epilepsy, 2017, 04, 119-124.	0.5	9
59	Exploring the ameliorative role of $\alpha 7$ neuronal nicotinic acetylcholine receptor modulation in epilepsy and associated comorbidities in post-PTZ-kindled mice. Epilepsy and Behavior, 2020, 103, 106862.	1.7	9
60	Modulatory Effect of Serotonergic System in Pentylenetetrazole-Induced Seizures and Associated Memory Deficit: Role of 5-HT _{1A} and 5-HT _{2A/2C} . Journal of Epilepsy Research, 2019, 9, 119-125.	0.4	9
61	Antidepressant-like effect of a standardized hydroethanolic extract of <i>Asparagus adscendens</i> in mice. Indian Journal of Pharmacology, 2019, 51, 98.	0.7	9
62	Synthesis and anticonvulsant activities of functionalized 5-(isoindole-1,3-dione)-pyrimidinones. Medicinal Chemistry Research, 2016, 25, 1420-1424.	2.4	8
63	Design, Synthesis and PASS Assisted Evaluation of Novel 2-Substituted Benzimidazole Derivatives as Potent Anthelmintics. Medicinal Chemistry, 2014, 10, 418-425.	1.5	8
64	Effect of some Sitavirya drugs on gastric secretion and ulceration. Indian Journal of Experimental Biology, 1997, 35, 1084-7.	0.0	8
65	Anticonvulsant Effect of <i>Asparagus racemosus</i> Willd. in a Mouse Model of Catamenial Epilepsy. Neurochemical Research, 2022, 47, 422-433.	3.3	7
66	Anticonvulsant activity of <i>Passiflora incarnata</i> : No role of chrysin. Journal of Pharmaceutical Negative Results, 2011, 2, 51.	0.2	6
67	Pharmacokinetic, pharmacodynamic, and neurochemical investigations of lamotrigine in pentylenetetrazole kindled mice to ascertain it as a reliable model for clinical drug-resistant epilepsy. Animal Models and Experimental Medicine, 2020, 3, 245-255.	3.3	6
68	Exploring selective serotonergic modulation involved in the anticonvulsant effect of <i>Ficus religiosa</i> fig extract. Indian Journal of Pharmacology, 2013, 45, 537.	0.7	5
69	Meiotic Studies in Some Species of Tribe Cichorieae (Asteraceae) from Western Himalayas. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	4
70	New and Varied Chromosome Reports in Twenty-Six Species of the Family Asteraceae from Cold Deserts of the Western Himalaya. Cytologia, 2018, 83, 215-220.	0.6	3
71	Hypocholesterolemic activity of some novel azetidin-2-ones in diet and diabetes induced hypercholesterolemia in rats. Die Pharmazie, 2005, 60, 369-74.	0.5	2
72	Bioinformatics guided rotenone adjuvant kindling in mice as a new animal model of drug-resistant epilepsy. Computers in Biology and Medicine, 2022, 147, 105754.	7.0	2

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73	Diabetic retinopathy: how far are we from personalized medicine?. Future Medicinal Chemistry, 2018, 10, 2249-2252.	2.3	1
74	Quinazolines Revisited: Search for Novel Anxiolytic and GABAergic Agents.. ChemInform, 2005, 36, no.	0.0	0