

G K Rajanikant

List of Publications by Citations

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Version: 2024-04-20

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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.

81
papers

1,773
citations

24
h-index

40
g-index

84
ext. papers

2,087
ext. citations

3.9
avg, IF

5.19
L-index

#	Paper	IF	Citations
81	Asiatic acid, a pentacyclic triterpene from <i>Centella asiatica</i> , is neuroprotective in a mouse model of focal cerebral ischemia. <i>Journal of Neuroscience Research</i> , 2009 , 87, 2541-50	4.4	104
80	Carnosine is neuroprotective against permanent focal cerebral ischemia in mice. <i>Stroke</i> , 2007 , 38, 3023-317	3.7	103
79	Nanotechnology and nanomedicine: going small means aiming big. <i>Current Pharmaceutical Design</i> , 2010 , 16, 1882-92	3.3	95
78	Alteration in the glutathione, glutathione peroxidase, superoxide dismutase and lipid peroxidation by ascorbic acid in the skin of mice exposed to fractionated gamma radiation. <i>Clinica Chimica Acta</i> , 2003 , 332, 111-21	6.2	88
77	Post stroke depression: The sequelae of cerebral stroke. <i>Neuroscience and Biobehavioral Reviews</i> , 2018 , 90, 104-114	9	83
76	Role of curcumin, a naturally occurring phenolic compound of turmeric in accelerating the repair of excision wound, in mice whole-body exposed to various doses of gamma-radiation. <i>Journal of Surgical Research</i> , 2004 , 120, 127-38	2.5	81
75	Curcumin treatment enhances the repair and regeneration of wounds in mice exposed to hemibody gamma-irradiation. <i>Plastic and Reconstructive Surgery</i> , 2005 , 115, 515-28	2.7	69
74	Calcium ion--the key player in cerebral ischemia. <i>Current Medicinal Chemistry</i> , 2014 , 21, 2065-75	4.3	64
73	Acceleration of wound repair by curcumin in the excision wound of mice exposed to different doses of fractionated γ radiation. <i>International Wound Journal</i> , 2012 , 9, 76-92	2.6	63
72	A Smoothed receptor agonist is neuroprotective and promotes regeneration after ischemic brain injury. <i>Cell Death and Disease</i> , 2014 , 5, e1481	9.8	55
71	Oxidative stress--assassin behind the ischemic stroke. <i>Folia Neuropathologica</i> , 2012 , 50, 219-30	2.6	55
70	The therapeutic potential of statins in neurological disorders. <i>Current Medicinal Chemistry</i> , 2007 , 14, 103-12	4.3	55
69	Differential neuroprotective effects of carnosine, anserine, and N-acetyl carnosine against permanent focal ischemia. <i>Journal of Neuroscience Research</i> , 2008 , 86, 2984-91	4.4	51
68	Necroptosis: who knew there were so many interesting ways to die?. <i>CNS and Neurological Disorders - Drug Targets</i> , 2014 , 13, 42-51	2.6	50
67	Role of Autophagy in Endothelial Damage and Blood-Brain Barrier Disruption in Ischemic Stroke. <i>Stroke</i> , 2018 , 49, 1571-1579	6.7	38
66	Computational identification of novel histone deacetylase inhibitors by docking based QSAR. <i>Computers in Biology and Medicine</i> , 2012 , 42, 697-705	7	38
65	Hypoxia Mimetic Agents for Ischemic Stroke. <i>Frontiers in Cell and Developmental Biology</i> , 2018 , 6, 175	5.7	34

64	Cerebral Ischemic Preconditioning: the Road So Far <i>Molecular Neurobiology</i> , 2016 , 53, 2579-93	6.2	34
63	Death associated protein kinases: molecular structure and brain injury. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 13858-72	6.3	29
62	Ascorbic acid increases healing of excision wounds of mice whole body exposed to different doses of gamma-radiation. <i>Burns</i> , 2007 , 33, 484-94	2.3	29
61	Evaluation of the effect of ascorbic acid treatment on wound healing in mice exposed to different doses of fractionated gamma radiation. <i>Radiation Research</i> , 2003 , 159, 371-80	3.1	28
60	Systematic review and stratified meta-analysis of the efficacy of carnosine in animal models of ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016 , 36, 1686-1694	7.3	28
59	Nanotechnology based diagnostic and therapeutic strategies for neuroscience with special emphasis on ischemic stroke. <i>Current Medicinal Chemistry</i> , 2012 , 19, 744-56	4.3	26
58	miR-9 Upregulation Integrates Post-ischemic Neuronal Survival and Regeneration In Vitro. <i>Cellular and Molecular Neurobiology</i> , 2019 , 39, 223-240	4.6	25
57	Augmentation of wound healing by ascorbic acid treatment in mice exposed to gamma-radiation. <i>International Journal of Radiation Biology</i> , 2004 , 80, 347-54	2.9	24
56	Effect of abana (a herbal preparation) on the radiation-induced mortality in mice. <i>Journal of Ethnopharmacology</i> , 2003 , 86, 159-65	5	24
55	Alpha-linolenic acid suppresses dopaminergic neurodegeneration induced by 6-OHDA in <i>C. elegans</i> . <i>Physiology and Behavior</i> , 2015 , 151, 563-9	3.5	23
54	Hydrogel Scaffolds: Towards Restitution of Ischemic Stroke-Injured Brain. <i>Translational Stroke Research</i> , 2019 , 10, 1-18	7.8	21
53	Drp1 in ischemic neuronal death: an unusual suspect. <i>Current Medicinal Chemistry</i> , 2014 , 21, 2183-9	4.3	19
52	CypD: The Key to the Death Door. <i>CNS and Neurological Disorders - Drug Targets</i> , 2015 , 14, 654-63	2.6	19
51	Pharmacophore generation and atom-based 3D-QSAR of novel quinoline-3-carbonitrile derivatives as Tpl2 kinase inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2012 , 27, 558-70	5.6	18
50	Decoding the ubiquitous role of microRNAs in neurogenesis. <i>Molecular Neurobiology</i> , 2017 , 54, 2003-2016	11.2	17
49	Huntington disease: can a zebrafish trail leave more than a ripple?. <i>Neuroscience and Biobehavioral Reviews</i> , 2014 , 45, 258-61	9	17
48	Lymphocyte cell kinase activation mediates neuroprotection during ischemic preconditioning. <i>Journal of Neuroscience</i> , 2012 , 32, 7278-86	6.6	16
47	Identification of novel potential HIF-prolyl hydroxylase inhibitors by in silico screening. <i>Molecular Diversity</i> , 2012 , 16, 193-202	3.1	15

46	A rational approach to selective pharmacophore designing: an innovative strategy for specific recognition of Gsk3. <i>Molecular Diversity</i> , 2012 , 16, 553-62	3.1	14
45	Folic Acid Exerts Post-Ischemic Neuroprotection In Vitro Through HIF-1 β Stabilization. <i>Molecular Neurobiology</i> , 2018 , 55, 8328-8345	6.2	13
44	Glycogen synthase kinase- β in ischemic neuronal death. <i>Current Neurovascular Research</i> , 2014 , 11, 271-8	1.8	13
43	Ensemble pharmacophore meets ensemble docking: a novel screening strategy for the identification of RIPK1 inhibitors. <i>Journal of Computer-Aided Molecular Design</i> , 2014 , 28, 779-94	4.2	11
42	Computational repositioning and experimental validation of approved drugs for HIF-prolyl hydroxylase inhibition. <i>Journal of Chemical Information and Modeling</i> , 2013 , 53, 1818-24	6.1	11
41	A Novel Five-Node Feed-Forward Loop Unravels miRNA-Gene-TF Regulatory Relationships in Ischemic Stroke. <i>Molecular Neurobiology</i> , 2018 , 55, 8251-8262	6.2	10
40	Circular RNAs in Brain Physiology and Disease. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1087, 231-237	3.6	10
39	Amikacin Inhibits miR-497 Maturation and Exerts Post-ischemic Neuroprotection. <i>Molecular Neurobiology</i> , 2017 , 54, 3683-3694	6.2	9
38	Rodent Gymnastics: Neurobehavioral Assays in Ischemic Stroke. <i>Molecular Neurobiology</i> , 2017 , 54, 6750-6761	6.6	9
37	ISCHEMIRs: Finding a Way Through the Obstructed Cerebral Arteries. <i>Current Drug Targets</i> , 2016 , 17, 800-10	3	9
36	A combination of 3D-QSAR modeling and molecular docking approach for the discovery of potential HIF prolyl hydroxylase inhibitors. <i>Medicinal Chemistry</i> , 2013 , 9, 360-70	1.8	9
35	In silico prediction of novel inhibitors of the DNA binding activity of FoxG1. <i>Medicinal Chemistry</i> , 2012 , 8, 1155-62	1.8	9
34	A novel multi-target drug screening strategy directed against key proteins of DAPk family. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2013 , 16, 449-57	1.3	8
33	β -N-oxalyl-L-prolyl diaminopropionic acid induces HRE expression by inhibiting HIF-prolyl hydroxylase-2 in normoxic conditions. <i>European Journal of Pharmacology</i> , 2016 , 791, 405-411	5.3	8
32	Taxifolin as dual inhibitor of Mtb DNA gyrase and isoleucyl-tRNA synthetase: in silico molecular docking, dynamics simulation and in vitro assays. <i>In Silico Pharmacology</i> , 2018 , 6, 8	4.3	7
31	Novel RIPK3 inhibitors discovered through a structure-based approach exert post-ischemic neuroprotection. <i>Molecular Diversity</i> , 2016 , 20, 719-28	3.1	7
30	Finding needles in a haystack: application of network analysis and target enrichment studies for the identification of potential anti-diabetic phytochemicals. <i>PLoS ONE</i> , 2014 , 9, e112911	3.7	7
29	Role of KCa3.1 Channels in CNS Diseases: A Concise Review. <i>CNS and Neurological Disorders - Drug Targets</i> , 2016 , 15, 1299-1305	2.6	7

28	In Silico Prediction of Novel Inhibitors of the DNA Binding Activity of FoxG1. <i>Medicinal Chemistry</i> , 2012 , 8, 1155-1162	1.8	6
27	Nanochannels: biological channel analogues. <i>IET Nanobiotechnology</i> , 2012 , 6, 63-70	2	5
26	Evolving therapeutic targets in ischemic stroke: a concise review. <i>Current Drug Targets</i> , 2013 , 14, 497-506		5
25	Modelling the molecular mechanism of protein-protein interactions and their inhibition: CypD-p53 case study. <i>Molecular Diversity</i> , 2015 , 19, 931-43	3.1	4
24	Commentary: Endophenotypes as Disease Modifiers: Decoding the Biology of Alzheimer's by Genome-wide Association Studies. <i>CNS and Neurological Disorders - Drug Targets</i> , 2018 , 17, 6-8	2.6	4
23	Ensembling and filtering: an effective and rapid in silico multitarget drug-design strategy to identify RIPK1 and RIPK3 inhibitors. <i>Journal of Molecular Modeling</i> , 2015 , 21, 314	2	4
22	In silico identification of potential dynamin-related protein 1 antagonists: implications for diseases involving mitochondrial dysfunction. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2014 , 17, 25-34	1.3	4
21	Postischemic supplementation of folic acid improves neuronal survival and regeneration in vitro. <i>Nutrition Research</i> , 2020 , 75, 1-14	4	4
20	Computational prediction of a putative binding site on drp1: implications for antiparkinsonian therapy. <i>Journal of Chemical Information and Modeling</i> , 2014 , 54, 2042-50	6.1	3
19	Anti-parkinsonian efficacy of target-specific GSK3 β inhibitors demonstrated in <i>Caenorhabditis elegans</i> . <i>Medicinal Chemistry Research</i> , 2014 , 23, 5263-5268	2.2	3
18	Nickel cobaltite/multi-walled carbon nanotube flexible sensor for the electrochemical detection of dopamine released by human neural cells. <i>Journal of Materials Chemistry C</i> ,	7.1	3
17	The synthesis of a novel pentoxifylline derivative with superior human sperm motility enhancement properties. <i>New Journal of Chemistry</i> , 2021 , 45, 1072-1081	3.6	3
16	The Synergistic Combination of Everolimus and Paroxetine Exerts Post-ischemic Neuroprotection In Vitro. <i>Cellular and Molecular Neurobiology</i> , 2018 , 38, 1383-1397	4.6	2
15	A comparative molecular dynamics simulation study to assess the exclusion ability of novel GSK3 β inhibitors. <i>Medicinal Chemistry Research</i> , 2014 , 23, 3092-3095	2.2	2
14	Commentary: Death Associated Protein Kinase 1: A Perp in Cerebral Ischemia. <i>CNS and Neurological Disorders - Drug Targets</i> , 2016 , 15, 874-877	2.6	2
13	Quinoline Derivative Enhances Human Sperm Motility and Improves the Functional Competence. <i>Reproductive Sciences</i> , 2021 , 28, 1316-1332	3	2
12	Evaluation of hydroxyapatite- and zinc-coated Ti-6Al-4V surface for biomedical application using electrochemical process. <i>Journal of the Australian Ceramic Society</i> , 2021 , 57, 107-116	1.5	2
11	Carnosine Protects against Cerebral Ischemic Injury by Inhibiting Matrix-Metalloproteinases. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2

10	ATF4: the perpetrator in axonal-mediated neurodegeneration in Alzheimer's disease. <i>CNS and Neurological Disorders - Drug Targets</i> , 2014 , 13, 1483-4	2.6	1
9	Commentary: linking productive autophagy to neuroprotection: potential implications for anti-ischemic therapy. <i>CNS and Neurological Disorders - Drug Targets</i> , 2013 , 12, 298-9	2.6	1
8	Research Highlights BAY 1436032: A Novel Pan-mutant IDH1 Inhibitor Extends Survival of Mice with Experimental Brain Tumors. <i>CNS and Neurological Disorders - Drug Targets</i> , 2017 , 16, 636-637	2.6	1
7	Pseudokinases: Prospects for expanding the therapeutic targets armamentarium. <i>Advances in Protein Chemistry and Structural Biology</i> , 2021 , 124, 121-185	5.3	1
6	A critical appraisal of the functional evolution of P2Y12 antagonists as antiplatelet drugs. <i>Current Pharmaceutical Design</i> , 2012 , 18, 1625-34	3.3	0
5	An integrated chemo-informatics and in vitro experimental approach repurposes acarbose as a post-ischemic neuro-protectant.. <i>3 Biotech</i> , 2022 , 12, 71	2.8	0
4	Growing Importance of Zebrafish in Translational Neuroscience 2022 , 357-380		0
3	Computational Design of Multi-target Kinase Inhibitors. <i>Methods in Pharmacology and Toxicology</i> , 2018 , 385-394	1.1	
2	Commentary: research highlights: IKK β mediates A β -triggered microglial inflammation and neuronal death during Alzheimer's disease. <i>CNS and Neurological Disorders - Drug Targets</i> , 2014 , 13, 1305-7	2.6	
1	Neuroprotective Potential of Carnosine in Cerebrovascular Diseases. <i>International Journal of Peptide Research and Therapeutics</i> , 2022 , 28, 1	2.1	