G K Rajanikant

List of Publications by Year in Descending Order

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	An integrated chemo-informatics and in vitro experimental approach repurposes acarbose as a post-ischemic neuro-protectant.. *3 Biotech*, **2022**, 12, 71	2.8	0
80	Neuroprotective Potential of Carnosine in Cerebrovascular Diseases. *International Journal of Peptide Research and Therapeutics*, **2022**, 28, 1	2.1	
79	Growing Importance of Zebrafish in Translational Neuroscience **2022**, 357-380		0
78	Pseudokinases: Prospects for expanding the therapeutic targets armamentarium. *Advances in Protein Chemistry and Structural Biology*, **2021**, 124, 121-185	5.3	1
77	Quinoline Derivative Enhances Human Sperm Motility and Improves the Functional Competence. *Reproductive Sciences*, **2021**, 28, 1316-1332	3	2
76	The synthesis of a novel pentoxifylline derivative with superior human sperm motility enhancement properties. *New Journal of Chemistry*, **2021**, 45, 1072-1081	3.6	3
75	Evaluation of hydroxyapatite- and zinc-coated Ti-6Al-4V surface for biomedical application using electrochemical process. *Journal of the Australian Ceramic Society*, **2021**, 57, 107-116	1.5	2
74	Carnosine Protects against Cerebral Ischemic Injury by Inhibiting Matrix-Metalloproteinases. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
73	Postischemic supplementation of folic acid improves neuronal survival and regeneration in vitro. *Nutrition Research*, **2020**, 75, 1-14	4	4
72	Hydrogel Scaffolds: Towards Restitution of Ischemic Stroke-Injured Brain. *Translational Stroke Research*, **2019**, 10, 1-18	7.8	21
71	miR-9 Upregulation Integrates Post-ischemic Neuronal Survival and Regeneration In Vitro. *Cellular and Molecular Neurobiology*, **2019**, 39, 223-240	4.6	25
70	Hypoxia Mimetic Agents for Ischemic Stroke. *Frontiers in Cell and Developmental Biology*, **2018**, 6, 175	5.7	34
69	A Novel Five-Node Feed-Forward Loop Unravels miRNA-Gene-TF Regulatory Relationships in Ischemic Stroke. *Molecular Neurobiology*, **2018**, 55, 8251-8262	6.2	10
68	Taxifolin as dual inhibitor of Mtb DNA gyrase and isoleucyl-tRNA synthetase: in silico molecular docking, dynamics simulation and in vitro assays. *In Silico Pharmacology*, **2018**, 6, 8	4.3	7
67	Post stroke depression: The sequelae of cerebral stroke. *Neuroscience and Biobehavioral Reviews*, **2018**, 90, 104-114	9	83
66	Role of Autophagy in Endothelial Damage and Blood-Brain Barrier Disruption in Ischemic Stroke. *Stroke*, **2018**, 49, 1571-1579	6.7	38
65	Computational Design of Multi-target Kinase Inhibitors. *Methods in Pharmacology and Toxicology*, **2018**, 385-394	1.1	

64	Folic Acid Exerts Post-Ischemic Neuroprotection In Vitro Through HIF-1 Stabilization. *Molecular Neurobiology*, **2018**, 55, 8328-8345	6.2	13
63	The Synergistic Combination of Everolimus and Paroxetine Exerts Post-ischemic Neuroprotection In Vitro. *Cellular and Molecular Neurobiology*, **2018**, 38, 1383-1397	4.6	2
62	Commentary: Endophenotypes as Disease Modifiers: Decoding the Biology of Alzheimer's by Genome-wide Association Studies. *CNS and Neurological Disorders - Drug Targets*, **2018**, 17, 6-8	2.6	4
61	Circular RNAs in Brain Physiology and Disease. *Advances in Experimental Medicine and Biology*, **2018**, 1087, 231-237	3.6	10
60	Decoding the ubiquitous role of microRNAs in neurogenesis. *Molecular Neurobiology*, **2017**, 54, 2003-2016	6.2	17
59	Amikacin Inhibits miR-497 Maturation and Exerts Post-ischemic Neuroprotection. *Molecular Neurobiology*, **2017**, 54, 3683-3694	6.2	9
58	Rodent Gymnastics: Neurobehavioral Assays in Ischemic Stroke. *Molecular Neurobiology*, **2017**, 54, 6750-6761	6.2	9
57	Research Highlights BAY 1436032: A Novel Pan-mutant IDH1 Inhibitor Extends Survival of Mice with Experimental Brain Tumors. *CNS and Neurological Disorders - Drug Targets*, **2017**, 16, 636-637	2.6	1
56	Novel RIPK3 inhibitors discovered through a structure-based approach exert post-ischemic neuroprotection. *Molecular Diversity*, **2016**, 20, 719-28	3.1	7
55	Cerebral Ischemic Preconditioning: the Road So Far *Molecular Neurobiology*, **2016**, 53, 2579-93	6.2	34
54	ISCHEMIRs: Finding a Way Through the Obstructed Cerebral Arteries. *Current Drug Targets*, **2016**, 17, 800-10	3	9
53	Role of KCa3.1 Channels in CNS Diseases: A Concise Review. *CNS and Neurological Disorders - Drug Targets*, **2016**, 15, 1299-1305	2.6	7
52	Commentary: Death Associated Protein Kinase 1: A Perp in Cerebral Ischemia. *CNS and Neurological Disorders - Drug Targets*, **2016**, 15, 874-877	2.6	2
51	N-oxalyl-L- diaminopropionic acid induces HRE expression by inhibiting HIF-prolyl hydroxylase-2 in normoxic conditions. *European Journal of Pharmacology*, **2016**, 791, 405-411	5.3	8
50	Systematic review and stratified meta-analysis of the efficacy of carnosine in animal models of ischemic stroke. *Journal of Cerebral Blood Flow and Metabolism*, **2016**, 36, 1686-1694	7.3	28
49	Modelling the molecular mechanism of protein-protein interactions and their inhibition: CypD-p53 case study. *Molecular Diversity*, **2015**, 19, 931-43	3.1	4
48	Alpha-linolenic acid suppresses dopaminergic neurodegeneration induced by 6-OHDA in C. elegans. *Physiology and Behavior*, **2015**, 151, 563-9	3.5	23
47	Ensembling and filtering: an effective and rapid in silico multitarget drug-design strategy to identify RIPK1 and RIPK3 inhibitors. *Journal of Molecular Modeling*, **2015**, 21, 314	2	4

46	CypD: The Key to the Death Door. *CNS and Neurological Disorders - Drug Targets*, **2015**, 14, 654-63	2.6	19
45	A comparative molecular dynamics simulation study to assess the exclusion ability of novel GSK3β inhibitors. *Medicinal Chemistry Research*, **2014**, 23, 3092-3095	2.2	2
44	Ensemble pharmacophore meets ensemble docking: a novel screening strategy for the identification of RIPK1 inhibitors. *Journal of Computer-Aided Molecular Design*, **2014**, 28, 779-94	4.2	11
43	Huntington disease: can a zebrafish trail leave more than a ripple?. *Neuroscience and Biobehavioral Reviews*, **2014**, 45, 258-61	9	17
42	Computational prediction of a putative binding site on drp1: implications for antiparkinsonian therapy. *Journal of Chemical Information and Modeling*, **2014**, 54, 2042-50	6.1	3
41	In silico identification of potential dynamin-related protein 1 antagonists: implications for diseases involving mitochondrial dysfunction. *Combinatorial Chemistry and High Throughput Screening*, **2014**, 17, 25-34	1.3	4
40	Commentary: research highlights: IKKβ mediates Aβ-triggered microglial inflammation and neuronal death during Alzheimer's disease. *CNS and Neurological Disorders - Drug Targets*, **2014**, 13, 1305-7	2.6	
39	ATF4: the perpetrator in axonal-mediated neurodegeneration in Alzheimer's disease. *CNS and Neurological Disorders - Drug Targets*, **2014**, 13, 1483-4	2.6	1
38	Anti-parkinsonian efficacy of target-specific GSK3β inhibitors demonstrated in Caenorhabditis elegans. *Medicinal Chemistry Research*, **2014**, 23, 5263-5268	2.2	3
37	A Smoothened receptor agonist is neuroprotective and promotes regeneration after ischemic brain injury. *Cell Death and Disease*, **2014**, 5, e1481	9.8	55
36	Finding needles in a haystack: application of network analysis and target enrichment studies for the identification of potential anti-diabetic phytochemicals. *PLoS ONE*, **2014**, 9, e112911	3.7	7
35	Drp1 in ischemic neuronal death: an unusual suspect. *Current Medicinal Chemistry*, **2014**, 21, 2183-9	4.3	19
34	Calcium ion--the key player in cerebral ischemia. *Current Medicinal Chemistry*, **2014**, 21, 2065-75	4.3	64
33	Glycogen synthase kinase-3β in ischemic neuronal death. *Current Neurovascular Research*, **2014**, 11, 271-8	1.8	13
32	Necroptosis: who knew there were so many interesting ways to die?. *CNS and Neurological Disorders - Drug Targets*, **2014**, 13, 42-51	2.6	50
31	Computational repositioning and experimental validation of approved drugs for HIF-prolyl hydroxylase inhibition. *Journal of Chemical Information and Modeling*, **2013**, 53, 1818-24	6.1	11
30	Death associated protein kinases: molecular structure and brain injury. *International Journal of Molecular Sciences*, **2013**, 14, 13858-72	6.3	29
29	Commentary: linking productive autophagy to neuroprotection: potential implications for anti-ischemic therapy. *CNS and Neurological Disorders - Drug Targets*, **2013**, 12, 298-9	2.6	1

28	A novel multi-target drug screening strategy directed against key proteins of DAPk family. *Combinatorial Chemistry and High Throughput Screening*, **2013**, 16, 449-57	1.3	8
27	Evolving therapeutic targets in ischemic stroke: a concise review. *Current Drug Targets*, **2013**, 14, 497-506	3	5
26	A combination of 3D-QSAR modeling and molecular docking approach for the discovery of potential HIF prolyl hydroxylase inhibitors. *Medicinal Chemistry*, **2013**, 9, 360-70	1.8	9
25	Pharmacophore generation and atom-based 3D-QSAR of novel quinoline-3-carbonitrile derivatives as Tpl2 kinase inhibitors. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2012**, 27, 558-70	5.6	18
24	Lymphocyte cell kinase activation mediates neuroprotection during ischemic preconditioning. *Journal of Neuroscience*, **2012**, 32, 7278-86	6.6	16
23	A rational approach to selective pharmacophore designing: an innovative strategy for specific recognition of Gsk3 *Molecular Diversity*, **2012**, 16, 553-62	3.1	14
22	Computational identification of novel histone deacetylase inhibitors by docking based QSAR. *Computers in Biology and Medicine*, **2012**, 42, 697-705	7	38
21	Oxidative stress--assassin behind the ischemic stroke. *Folia Neuropathologica*, **2012**, 50, 219-30	2.6	55
20	Nanochannels: biological channel analogues. *IET Nanobiotechnology*, **2012**, 6, 63-70	2	5
19	Identification of novel potential HIF-prolyl hydroxylase inhibitors by in silico screening. *Molecular Diversity*, **2012**, 16, 193-202	3.1	15
18	Acceleration of wound repair by curcumin in the excision wound of mice exposed to different doses of fractionated radiation. *International Wound Journal*, **2012**, 9, 76-92	2.6	63
17	In Silico Prediction of Novel Inhibitors of the DNA Binding Activity of FoxG1. *Medicinal Chemistry*, **2012**, 8, 1155-1162	1.8	6
16	A critical appraisal of the functional evolution of P2Y12 antagonists as antiplatelet drugs. *Current Pharmaceutical Design*, **2012**, 18, 1625-34	3.3	0
15	Nanotechnology based diagnostic and therapeutic strategies for neuroscience with special emphasis on ischemic stroke. *Current Medicinal Chemistry*, **2012**, 19, 744-56	4.3	26
14	In silico prediction of novel inhibitors of the DNA binding activity of FoxG1. *Medicinal Chemistry*, **2012**, 8, 1155-62	1.8	9
13	Nanotechnology and nanomedicine: going small means aiming big. *Current Pharmaceutical Design*, **2010**, 16, 1882-92	3.3	95
12	Asiatic acid, a pentacyclic triterpene from Centella asiatica, is neuroprotective in a mouse model of focal cerebral ischemia. *Journal of Neuroscience Research*, **2009**, 87, 2541-50	4.4	104
11	Differential neuroprotective effects of carnosine, anserine, and N-acetyl carnosine against permanent focal ischemia. *Journal of Neuroscience Research*, **2008**, 86, 2984-91	4.4	51

10	The therapeutic potential of statins in neurological disorders. *Current Medicinal Chemistry*, **2007**, 14, 103-12	4.3	55
9	Carnosine is neuroprotective against permanent focal cerebral ischemia in mice. *Stroke*, **2007**, 38, 3023-31	6.7	103
8	Ascorbic acid increases healing of excision wounds of mice whole body exposed to different doses of gamma-radiation. *Burns*, **2007**, 33, 484-94	2.3	29
7	Curcumin treatment enhances the repair and regeneration of wounds in mice exposed to hemibody gamma-irradiation. *Plastic and Reconstructive Surgery*, **2005**, 115, 515-28	2.7	69
6	Augmentation of wound healing by ascorbic acid treatment in mice exposed to gamma-radiation. *International Journal of Radiation Biology*, **2004**, 80, 347-54	2.9	24
5	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. *Journal of Surgical Research*, **2004**, 120, 127-38	2.5	81
4	Evaluation of the effect of ascorbic acid treatment on wound healing in mice exposed to different doses of fractionated gamma radiation. *Radiation Research*, **2003**, 159, 371-80	3.1	28
3	Alteration in the glutathione, glutathione peroxidase, superoxide dismutase and lipid peroxidation by ascorbic acid in the skin of mice exposed to fractionated gamma radiation. *Clinica Chimica Acta*, **2003**, 332, 111-21	6.2	88
2	Effect of abana (a herbal preparation) on the radiation-induced mortality in mice. *Journal of Ethnopharmacology*, **2003**, 86, 159-65	5	24
1	Nickel cobaltite/multi-walled carbon nanotube flexible sensor for the electrochemical detection of dopamine released by human neural cells. *Journal of Materials Chemistry C*,	7.1	3