

# Vipan K Parihar

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

2,917  
citations

172207

29  
h-index

276539

41  
g-index

41  
all docs

41  
docs citations

41  
times ranked

3549  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impaired Cognitive Function and Hippocampal Neurogenesis following Cancer Chemotherapy. <i>Clinical Cancer Research</i> , 2012, 18, 1954-1965.	3.2	234
2	Elimination of microglia improves cognitive function following cranial irradiation. <i>Scientific Reports</i> , 2016, 6, 31545.	1.6	195
3	Predictable chronic mild stress improves mood, hippocampal neurogenesis and memory. <i>Molecular Psychiatry</i> , 2011, 16, 171-183.	4.1	181
4	What happens to your brain on the way to Mars. <i>Science Advances</i> , 2015, 1, .	4.7	179
5	Cranial irradiation compromises neuronal architecture in the hippocampus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12822-12827.	3.3	177
6	Cosmic radiation exposure and persistent cognitive dysfunction. <i>Scientific Reports</i> , 2016, 6, 34774.	1.6	167
7	Mood and Memory Deficits in a Model of Gulf War Illness Are Linked with Reduced Neurogenesis, Partial Neuron Loss, and Mild Inflammation in the Hippocampus. <i>Neuropsychopharmacology</i> , 2013, 38, 2348-2362.	2.8	147
8	Resveratrol Prevents Age-Related Memory and Mood Dysfunction with Increased Hippocampal Neurogenesis and Microvasculature and Reduced Glial Activation. <i>Scientific Reports</i> , 2015, 5, 8075.	1.6	134
9	Persistent changes in neuronal structure and synaptic plasticity caused by proton irradiation. <i>Brain Structure and Function</i> , 2015, 220, 1161-1171.	1.2	131
10	Synthesis and antitumor activity of optically active thiourea and their 2-aminobenzothiazole derivatives: A novel class of anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 2923-2929.	2.6	119
11	Functional Consequences of Radiation-Induced Oxidative Stress in Cultured Neural Stem Cells and the Brain Exposed to Charged Particle Irradiation. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 1410-1422.	2.5	111
12	Persistent nature of alterations in cognition and neuronal circuit excitability after exposure to simulated cosmic radiation in mice. <i>Experimental Neurology</i> , 2018, 305, 44-55.	2.0	103
13	Targeted Overexpression of Mitochondrial Catalase Prevents Radiation-Induced Cognitive Dysfunction. <i>Antioxidants and Redox Signaling</i> , 2015, 22, 78-91.	2.5	80
14	Cranial grafting of stem cell-derived microvesicles improves cognition and reduces neuropathology in the irradiated brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4836-4841.	3.3	79
15	<i>Ficus racemosa</i> Stem Bark Extract: A Potent Antioxidant and a Probable Natural Radioprotector. <i>Evidence-based Complementary and Alternative Medicine</i> , 2009, 6, 317-324.	0.5	67
16	Stem Cell Transplantation Reverses Chemotherapy-Induced Cognitive Dysfunction. <i>Cancer Research</i> , 2015, 75, 676-686.	0.4	66
17	Differential Susceptibility of Interneurons Expressing Neuropeptide Y or Parvalbumin in the Aged Hippocampus to Acute Seizure Activity. <i>PLoS ONE</i> , 2011, 6, e24493.	1.1	62
18	Epigenetic determinants of space radiation-induced cognitive dysfunction. <i>Scientific Reports</i> , 2017, 7, 42885.	1.6	50

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19	Preliminary evaluation of in vitro cytotoxicity and in vivo antitumor activity of <i>Premna herbacea</i> Roxb. in Ehrlich ascites carcinoma model and Dalton's lymphoma ascites model. <i>Experimental and Toxicologic Pathology</i> , 2013, 65, 235-242.	2.1	49
20	Neurophysiology of space travel: energetic solar particles cause cell type-specific plasticity of neurotransmission. <i>Brain Structure and Function</i> , 2017, 222, 2345-2357.	1.2	47
21	Mitochondrial-Targeted Human Catalase Affords Neuroprotection From Proton Irradiation. <i>Radiation Research</i> , 2013, 180, 1-6.	0.7	46
22	Free radical scavenging and radioprotective activity of dehydrozingerone against whole body gamma irradiation in Swiss albino mice. <i>Chemico-Biological Interactions</i> , 2007, 170, 49-58.	1.7	44
23	Sesamol Treatment Reduces Plasma Cholesterol and Triacylglycerol Levels in Mouse Models of Acute and Chronic Hyperlipidemia. <i>Lipids</i> , 2013, 48, 633-638.	0.7	44
24	Antioxidant and radioprotective effect of the active fraction of <i>Pilea microphylla</i> (L.) ethanolic extract. <i>Chemico-Biological Interactions</i> , 2007, 165, 22-32.	1.7	43
25	Consequences of Low Dose Ionizing Radiation Exposure on the Hippocampal Microenvironment. <i>PLoS ONE</i> , 2015, 10, e0128316.	1.1	40
26	Defining functional changes in the brain caused by targeted stereotaxic radiosurgery. <i>Translational Cancer Research</i> , 2014, 3, 124-137.	0.4	34
27	Evaluation and optimization of radioprotective activity of <i>Coronopus didymus</i> Linn. in $\hat{1}^3$ -irradiated mice. <i>International Journal of Radiation Biology</i> , 2006, 82, 525-536.	1.0	32
28	Defining the Optimal Window for Cranial Transplantation of Human Induced Pluripotent Stem Cell-Derived Cells to Ameliorate Radiation-Induced Cognitive Impairment. <i>Stem Cells Translational Medicine</i> , 2015, 4, 74-83.	1.6	30
29	Sex-Specific Cognitive Deficits Following Space Radiation Exposure. <i>Frontiers in Behavioral Neuroscience</i> , 2020, 14, 535885.	1.0	29
30	Irradiation of Neurons with High-Energy Charged Particles: An In Silico Modeling Approach. <i>PLoS Computational Biology</i> , 2015, 11, e1004428.	1.5	29
31	An Appraisal of Current Pharmacological Perspectives of Sesamol: A Review. <i>Mini-Reviews in Medicinal Chemistry</i> , 2020, 20, 988-1000.	1.1	27
32	Antitumor and antioxidant activity of <i>Polyalthia longifolia</i> stem bark ethanol extract. <i>Pharmaceutical Biology</i> , 2010, 48, 690-696.	1.3	25
33	Alterations in synaptic density and myelination in response to exposure to high-energy charged particles. <i>Journal of Comparative Neurology</i> , 2018, 526, 2845-2855.	0.9	23
34	Contrasting the effects of proton irradiation on dendritic complexity of subiculum neurons in wild type and MCAT mice. <i>Environmental and Molecular Mutagenesis</i> , 2016, 57, 364-371.	0.9	21
35	Detrimental impacts of mixed-ion radiation on nervous system function. <i>Neurobiology of Disease</i> , 2021, 151, 105252.	2.1	20
36	Preliminary investigation of cytotoxic potential of 2-quinolone derivatives using in vitro and in vivo (solid tumor and liquid tumor) models of cancer. <i>Arabian Journal of Chemistry</i> , 2014, 7, 409-417.	2.3	14

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37	Stochastic Modeling of Radiation-induced Dendritic Damage on in silico Mouse Hippocampal Neurons. Scientific Reports, 2018, 8, 5494.	1.6	14
38	Neurological Impairments in Mice Subjected to Irradiation and Chemotherapy. Radiation Research, 2020, 193, 407.	0.7	12
39	Protective role of herbal formulation-divine noni against cisplatin-induced cytotoxicity in healthy cells by activating Nrf2 expression: An in-vivo and in-vitro approach. Phytomedicine Plus, 2021, 1, 100009.	0.9	5
40	Radiotherapy and Its Impact on the Nervous System of Cancer Survivors. CNS and Neurological Disorders - Drug Targets, 2020, 19, 374-385.	0.8	5
41	The Cannabinoid Receptor 1 Reverse Agonist AM251 Ameliorates Radiation-Induced Cognitive Decrements. Frontiers in Cellular Neuroscience, 2021, 15, 668286.	1.8	2