

Rajnish Kumar Chaturvedi

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

4,014
citations

136950

32
h-index

118850

62
g-index

67
all docs

67
docs citations

67
times ranked

6522
citing authors

#	ARTICLE	IF	CITATIONS
1	Bisphenol-A Mediated Impaired DRP1-GFER Axis and Cognition Restored by PGC-1 α Upregulation Through Nicotinamide in the Rat Brain Hippocampus. <i>Molecular Neurobiology</i> , 2022, 59, 4761-4775.	4.0	2
2	Brain Organoids: Tiny Mirrors of Human Neurodevelopment and Neurological Disorders. <i>Neuroscientist</i> , 2021, 27, 388-426.	3.5	11
3	Mitochondrial Protein Import Dysfunction in Pathogenesis of Neurodegenerative Diseases. <i>Molecular Neurobiology</i> , 2021, 58, 1418-1437.	4.0	11
4	Cypermethrin Impairs Hippocampal Neurogenesis and Cognitive Functions by Altering Neural Fate Decisions in the Rat Brain. <i>Molecular Neurobiology</i> , 2021, 58, 263-280.	4.0	12
5	Nanomedicine against Alzheimer's and Parkinson's Disease. <i>Current Pharmaceutical Design</i> , 2021, 27, 1507-1545.	1.9	7
6	Bisphenol-A inhibits mitochondrial biogenesis via impairment of GFER mediated mitochondrial protein import in the rat brain hippocampus. <i>NeuroToxicology</i> , 2021, 85, 18-32.	3.0	13
7	Polyphenols and Stem Cells for Neuroregeneration in Parkinson's Disease and Amyotrophic Lateral Sclerosis. <i>Current Pharmaceutical Design</i> , 2021, 27, .	1.9	0
8	Notch pathway up-regulation via curcumin mitigates bisphenol-A (BPA) induced alterations in hippocampal oligodendrogenesis. <i>Journal of Hazardous Materials</i> , 2020, 392, 122052.	12.4	29
9	Carbofuran hampers oligodendrocytes development leading to impaired myelination in the hippocampus of rat brain. <i>NeuroToxicology</i> , 2019, 70, 161-179.	3.0	19
10	Hexadecylated linear PEI self-assembled nanostructures as efficient vectors for neuronal gene delivery. <i>Drug Delivery and Translational Research</i> , 2018, 8, 1436-1449.	5.8	7
11	Argemone oil, an edible oil adulterant, induces systemic immunosuppression in Balb/c mice in an oral 28 days repeated dose toxicity study. <i>Chemico-Biological Interactions</i> , 2018, 287, 57-69.	4.0	0
12	Axin-2 knockdown promote mitochondrial biogenesis and dopaminergic neurogenesis by regulating Wnt/ β -catenin signaling in rat model of Parkinson's disease. <i>Free Radical Biology and Medicine</i> , 2018, 129, 73-87.	2.9	49
13	Stem Cells as Potential Targets of Polyphenols in Multiple Sclerosis and Alzheimer's Disease. <i>BioMed Research International</i> , 2018, 2018, 1-30.	1.9	21
14	Inhibition of the transforming growth factor- β /SMAD cascade mitigates the anti-neurogenic effects of the carbamate pesticide carbofuran. <i>Journal of Biological Chemistry</i> , 2017, 292, 19423-19440.	3.4	30
15	Peroxisome proliferator-activated receptors (PPARs) as therapeutic target in neurodegenerative disorders. <i>Biochemical and Biophysical Research Communications</i> , 2017, 483, 1166-1177.	2.1	139
16	Dynamin-related Protein 1 Inhibition Mitigates Bisphenol A-mediated Alterations in Mitochondrial Dynamics and Neural Stem Cell Proliferation and Differentiation. <i>Journal of Biological Chemistry</i> , 2016, 291, 15923-15939.	3.4	79
17	Photoprotective efficiency of PLGA-curcumin nanoparticles versus curcumin through the involvement of ERK/AKT pathway under ambient UV-R exposure in HaCaT cell line. <i>Biomaterials</i> , 2016, 84, 25-41.	11.4	65
18	Photosensitized 2-amino-3-hydroxypyridine-induced mitochondrial apoptosis via Smac/DIABLO in human skin cells. <i>Toxicology and Applied Pharmacology</i> , 2016, 297, 12-21.	2.8	10

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19	Photosensitized rose Bengal-induced phototoxicity on human melanoma cell line under natural sunlight exposure. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 156, 87-99.	3.8	22
20	Prenatal Exposure of Cypermethrin Induces Similar Alterations in Xenobiotic-Metabolizing Cytochrome P450s and Rate-Limiting Enzymes of Neurotransmitter Synthesis in Brain Regions of Rat Offsprings During Postnatal Development. <i>Molecular Neurobiology</i> , 2016, 53, 3670-3689.	4.0	11
21	Bisphenol-A Mediated Inhibition of Hippocampal Neurogenesis Attenuated by Curcumin via Canonical Wnt Pathway. <i>Molecular Neurobiology</i> , 2016, 53, 3010-3029.	4.0	89
22	Activation of Autophagic Flux against Xenoestrogen Bisphenol-A-induced Hippocampal Neurodegeneration via AMP kinase (AMPK)/Mammalian Target of Rapamycin (mTOR) Pathways. <i>Journal of Biological Chemistry</i> , 2015, 290, 21163-21184.	3.4	66
23	Role of type I & type II reactions in DNA damage and activation of Caspase 3 via mitochondrial pathway induced by photosensitized benzophenone. <i>Toxicology Letters</i> , 2015, 235, 84-95.	0.8	29
24	Trans-Blood Brain Barrier Delivery of Dopamine-Loaded Nanoparticles Reverses Functional Deficits in Parkinsonian Rats. <i>ACS Nano</i> , 2015, 9, 4850-4871.	14.6	191
25	Ethosuximide Induces Hippocampal Neurogenesis and Reverses Cognitive Deficits in an Amyloid- β^2 Toxin-induced Alzheimer Rat Model via the Phosphatidylinositol 3-Kinase (PI3K)/Akt/Wnt/ β^2 -Catenin Pathway. <i>Journal of Biological Chemistry</i> , 2015, 290, 28540-28558.	3.4	74
26	Benzophenone 1 induced photogenotoxicity and apoptosis via release of cytochrome c and Smac/DIABLO at environmental UV radiation. <i>Toxicology Letters</i> , 2015, 239, 182-193.	0.8	40
27	Mechanism of Nanotization-Mediated Improvement in the Efficacy of Caffeine Against 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine-Induced Parkinsonism. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 2211-2222.	1.1	9
28	Bisphenol-A Impairs Myelination Potential During Development in the Hippocampus of the Rat Brain. <i>Molecular Neurobiology</i> , 2015, 51, 1395-1416.	4.0	54
29	Inhibitory Effects of Bisphenol-A on Neural Stem Cells Proliferation and Differentiation in the Rat Brain Are Dependent on Wnt/ β^2 -Catenin Pathway. <i>Molecular Neurobiology</i> , 2015, 52, 1735-1757.	4.0	82
30	Benzanthrone induced immunotoxicity via oxidative stress and inflammatory mediators in Balb/c mice. <i>Immunobiology</i> , 2015, 220, 369-381.	1.9	16
31	Neuroprotective Role of Novel Triazine Derivatives by Activating Wnt/ β^2 Catenin Signaling Pathway in Rodent Models of Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2015, 52, 638-652.	4.0	43
32	Association between children death and consumption of Cassia occidentalis seeds: Clinical and experimental investigations. <i>Food and Chemical Toxicology</i> , 2014, 67, 236-248.	3.6	24
33	Curcumin-Loaded Nanoparticles Potently Induce Adult Neurogenesis and Reverse Cognitive Deficits in Alzheimer's Disease Model via Canonical Wnt/ β^2 -Catenin Pathway. <i>ACS Nano</i> , 2014, 8, 76-103.	14.6	448
34	Hepatic transcriptional analysis in rats treated with Cassia occidentalis seed: Involvement of oxidative stress and impairment in xenobiotic metabolism as a putative mechanism of toxicity. <i>Toxicology Letters</i> , 2014, 229, 273-283.	0.8	17
35	Photosensitized mefloquine induces ROS-mediated DNA damage and apoptosis in keratinocytes under ambient UVB and sunlight exposure. <i>Cell Biology and Toxicology</i> , 2014, 30, 253-268.	5.3	21
36	Peptide Therapeutics in Neurodegenerative Disorders. <i>Current Medicinal Chemistry</i> , 2014, 21, 2610-2631.	2.4	27

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37	Mitochondria: Prospective Targets for Neuroprotection in Parkinson's Disease. Current Pharmaceutical Design, 2014, 20, 5558-5573.	1.9	22
38	Nicotine-encapsulated poly(lactic-co-glycolic) acid nanoparticles improve neuroprotective efficacy against MPTP-induced parkinsonism. Free Radical Biology and Medicine, 2013, 65, 704-718.	2.9	56
39	Mitochondrial Diseases of the Brain. Free Radical Biology and Medicine, 2013, 63, 1-29.	2.9	361
40	Mitochondria targeted therapeutic approaches in Parkinson's and Huntington's diseases. Molecular and Cellular Neurosciences, 2013, 55, 101-114.	2.2	121
41	Transducer of regulated CREB-binding proteins (TORCs) transcription and function is impaired in Huntington's disease. Human Molecular Genetics, 2012, 21, 3474-3488.	2.9	54
42	Prenatal Carbofuran Exposure Inhibits Hippocampal Neurogenesis and Causes Learning and Memory Deficits in Offspring. Toxicological Sciences, 2012, 127, 84-100.	3.1	50
43	Bile Acid Receptor Agonist GW4064 Regulates PPAR γ Coactivator-1 α Expression Through Estrogen Receptor-Related Receptor β . Molecular Endocrinology, 2011, 25, 922-932.	3.7	30
44	Hugging tight in Huntington's. Nature Medicine, 2011, 17, 245-246.	30.7	19
45	Differential Response of Central Dopaminergic System in Acute and Chronic Unpredictable Stress Models in Rats. Neurochemical Research, 2010, 35, 22-32.	3.3	57
46	Inhibition of transglutaminase 2 mitigates transcriptional dysregulation in models of Huntington disease. EMBO Molecular Medicine, 2010, 2, 349-370.	6.9	124
47	Impairment of PGC-1 α expression, neuropathology and hepatic steatosis in a transgenic mouse model of Huntington's disease following chronic energy deprivation. Human Molecular Genetics, 2010, 19, 3190-3205.	2.9	124
48	Impaired PGC-1 α function in muscle in Huntington's disease. Human Molecular Genetics, 2009, 18, 3048-3065.	2.9	215
49	Enhanced survival and function of neural stem cells-derived dopaminergic neurons under influence of olfactory ensheathing cells in parkinsonian rats. Journal of Neurochemistry, 2009, 109, 436-451.	3.9	40
50	Mitochondrial Approaches for Neuroprotection. Annals of the New York Academy of Sciences, 2008, 1147, 395-412.	3.8	232
51	PPAR: a therapeutic target in Parkinson's disease. Journal of Neurochemistry, 2008, 106, 506-518.	3.9	150
52	Nerve growth factor increases survival of dopaminergic graft, rescue nigral dopaminergic neurons and restores functional deficits in rat model of Parkinson's disease. Neuroscience Letters, 2006, 398, 44-49.	2.1	50
53	Neuroprotective and neurorescue effect of black tea extract in 6-hydroxydopamine-lesioned rat model of Parkinson's disease. Neurobiology of Disease, 2006, 22, 421-434.	4.4	103
54	Behavioral and neurochemical effects induced by pyrethroid-based mosquito repellent exposure in rat offsprings during prenatal and early postnatal period. Neurotoxicology and Teratology, 2006, 28, 472-481.	2.4	43

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55	Ginkgo biloba affords dose-dependent protection against 6-hydroxydopamine-induced parkinsonism in rats: neurobehavioural, neurochemical and immunohistochemical evidences. Journal of Neurochemistry, 2005, 93, 94-104.	3.9	137
56	Involvement of nitric oxide in neurodegeneration: a study on the experimental models of Parkinson's disease. Redox Report, 2005, 10, 103-109.	4.5	75
57	Co-transplantation of carotid body and ventral mesencephalic cells as an alternative approach towards functional restoration in 6-hydroxydopamine-lesioned rats: implications for Parkinson's disease. Journal of Neurochemistry, 2004, 91, 274-284.	3.9	22
58	Restorative potential of dopaminergic grafts in presence of antioxidants in rat model of Parkinson's disease. Journal of Chemical Neuroanatomy, 2004, 28, 253-264.	2.1	20
59	Olfactory ensheathing cell transplantation restores functional deficits in rat model of Parkinson's disease: a cotransplantation approach with fetal ventral mesencephalic cells. Neurobiology of Disease, 2004, 16, 516-526.	4.4	62
60	Mosquito repellent (pyrethroid-based) induced dysfunction of blood-brain barrier permeability in developing brain. International Journal of Developmental Neuroscience, 2004, 22, 31-37.	1.6	45
61	Effect of glial cell line-derived neurotrophic factor (GDNF) co-transplantation with fetal ventral mesencephalic cells (VMC) on functional restoration in 6-hydroxydopamine (6-OHDA) lesioned rat model of Parkinson's disease: neurobehavioral, neurochemical and immunohistochemical studies. International Journal of Developmental Neuroscience, 2003, 21, 391-400.	1.6	28