

Rajnish Kumar Chaturvedi

List of Publications by Year in descending order

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61
papers

4,014
citations

136740

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118652

62
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docs citations

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times ranked

6522
citing authors

#	ARTICLE	IF	CITATIONS
1	Curcumin-Loaded Nanoparticles Potently Induce Adult Neurogenesis and Reverse Cognitive Deficits in Alzheimer's Disease Model via Canonical Wnt/ β -Catenin Pathway. <i>ACS Nano</i> , 2014, 8, 76-103.	7.3	448
2	Mitochondrial Diseases of the Brain. <i>Free Radical Biology and Medicine</i> , 2013, 63, 1-29.	1.3	361
3	Mitochondrial Approaches for Neuroprotection. <i>Annals of the New York Academy of Sciences</i> , 2008, 1147, 395-412.	1.8	232
4	Impaired PGC-1 β function in muscle in Huntington's disease. <i>Human Molecular Genetics</i> , 2009, 18, 3048-3065.	1.4	215
5	Trans-Blood Brain Barrier Delivery of Dopamine-Loaded Nanoparticles Reverses Functional Deficits in Parkinsonian Rats. <i>ACS Nano</i> , 2015, 9, 4850-4871.	7.3	191
6	PPAR: a therapeutic target in Parkinson's disease. <i>Journal of Neurochemistry</i> , 2008, 106, 506-518.	2.1	150
7	Peroxisome proliferator-activated receptors (PPARs) as therapeutic target in neurodegenerative disorders. <i>Biochemical and Biophysical Research Communications</i> , 2017, 483, 1166-1177.	1.0	139
8	Ginkgo biloba affords dose-dependent protection against 6-hydroxydopamine-induced parkinsonism in rats: neurobehavioural, neurochemical and immunohistochemical evidences. <i>Journal of Neurochemistry</i> , 2005, 93, 94-104.	2.1	137
9	Inhibition of transglutaminase 2 mitigates transcriptional dysregulation in models of Huntington disease. <i>EMBO Molecular Medicine</i> , 2010, 2, 349-370.	3.3	124
10	Impairment of PGC-1 α expression, neuropathology and hepatic steatosis in a transgenic mouse model of Huntington's disease following chronic energy deprivation. <i>Human Molecular Genetics</i> , 2010, 19, 3190-3205.	1.4	124
11	Mitochondria targeted therapeutic approaches in Parkinson's and Huntington's diseases. <i>Molecular and Cellular Neurosciences</i> , 2013, 55, 101-114.	1.0	121
12	Neuroprotective and neurorescue effect of black tea extract in 6-hydroxydopamine-lesioned rat model of Parkinson's disease. <i>Neurobiology of Disease</i> , 2006, 22, 421-434.	2.1	103
13	Bisphenol-A Mediated Inhibition of Hippocampal Neurogenesis Attenuated by Curcumin via Canonical Wnt Pathway. <i>Molecular Neurobiology</i> , 2016, 53, 3010-3029.	1.9	89
14	Inhibitory Effects of Bisphenol-A on Neural Stem Cells Proliferation and Differentiation in the Rat Brain Are Dependent on Wnt/ β -Catenin Pathway. <i>Molecular Neurobiology</i> , 2015, 52, 1735-1757.	1.9	82
15	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.	1.6	79
16	Involvement of nitric oxide in neurodegeneration: a study on the experimental models of Parkinson's disease. <i>Redox Report</i> , 2005, 10, 103-109.	1.4	75
17	Ethosuximide Induces Hippocampal Neurogenesis and Reverses Cognitive Deficits in an Amyloid- β Toxin-induced Alzheimer Rat Model via the Phosphatidylinositol 3-Kinase (PI3K)/Akt/Wnt/ β -Catenin Pathway. <i>Journal of Biological Chemistry</i> , 2015, 290, 28540-28558.	1.6	74
18	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.	1.6	66

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19	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.	5.7	65
20	Olfactory ensheathing cell transplantation restores functional deficits in rat model of Parkinson's disease: a cotransplantation approach with fetal ventral mesencephalic cells. <i>Neurobiology of Disease</i> , 2004, 16, 516-526.	2.1	62
21	Differential Response of Central Dopaminergic System in Acute and Chronic Unpredictable Stress Models in Rats. <i>Neurochemical Research</i> , 2010, 35, 22-32.	1.6	57
22	Nicotine-encapsulated poly(lactic-co-glycolic) acid nanoparticles improve neuroprotective efficacy against MPTP-induced parkinsonism. <i>Free Radical Biology and Medicine</i> , 2013, 65, 704-718.	1.3	56
23	Transducer of regulated CREB-binding proteins (TORCs) transcription and function is impaired in Huntington's disease. <i>Human Molecular Genetics</i> , 2012, 21, 3474-3488.	1.4	54
24	Bisphenol-A Impairs Myelination Potential During Development in the Hippocampus of the Rat Brain. <i>Molecular Neurobiology</i> , 2015, 51, 1395-1416.	1.9	54
25	Nerve growth factor increases survival of dopaminergic graft, rescue nigral dopaminergic neurons and restores functional deficits in rat model of Parkinson's disease. <i>Neuroscience Letters</i> , 2006, 398, 44-49.	1.0	50
26	Prenatal Carbofuran Exposure Inhibits Hippocampal Neurogenesis and Causes Learning and Memory Deficits in Offspring. <i>Toxicological Sciences</i> , 2012, 127, 84-100.	1.4	50
27	Axin-2 knockdown promote mitochondrial biogenesis and dopaminergic neurogenesis by regulating Wnt/ β^2 -catenin signaling in rat model of Parkinson's disease. <i>Free Radical Biology and Medicine</i> , 2018, 129, 73-87.	1.3	49
28	Mosquito repellent (pyrethroid-based) induced dysfunction of blood-brain barrier permeability in developing brain. <i>International Journal of Developmental Neuroscience</i> , 2004, 22, 31-37.	0.7	45
29	Behavioral and neurochemical effects induced by pyrethroid-based mosquito repellent exposure in rat offsprings during prenatal and early postnatal period. <i>Neurotoxicology and Teratology</i> , 2006, 28, 472-481.	1.2	43
30	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.	1.9	43
31	Enhanced survival and function of neural stem cells-derived dopaminergic neurons under influence of olfactory ensheathing cells in parkinsonian rats. <i>Journal of Neurochemistry</i> , 2009, 109, 436-451.	2.1	40
32	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.	0.4	40
33	Bile Acid Receptor Agonist GW4064 Regulates PPAR β Coactivator-1 α Expression Through Estrogen Receptor-Related Receptor β . <i>Molecular Endocrinology</i> , 2011, 25, 922-932.	3.7	30
34	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.	1.6	30
35	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.	0.4	29
36	Notch pathway up-regulation via curcumin mitigates bisphenol-A (BPA) induced alterations in hippocampal oligodendrogenesis. <i>Journal of Hazardous Materials</i> , 2020, 392, 122052.	6.5	29

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37	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. <i>International Journal of Developmental Neuroscience</i> , 2003, 21, 391-400.	0.7	28
38	Peptide Therapeutics in Neurodegenerative Disorders. <i>Current Medicinal Chemistry</i> , 2014, 21, 2610-2631.	1.2	27
39	Association between children death and consumption of <i>Cassia occidentalis</i> seeds: Clinical and experimental investigations. <i>Food and Chemical Toxicology</i> , 2014, 67, 236-248.	1.8	24
40	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. <i>Journal of Neurochemistry</i> , 2004, 91, 274-284.	2.1	22
41	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.	1.7	22
42	Mitochondria: Prospective Targets for Neuroprotection in Parkinson's Disease. <i>Current Pharmaceutical Design</i> , 2014, 20, 5558-5573.	0.9	22
43	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.	2.4	21
44	Stem Cells as Potential Targets of Polyphenols in Multiple Sclerosis and Alzheimer's Disease. <i>BioMed Research International</i> , 2018, 2018, 1-30.	0.9	21
45	Restorative potential of dopaminergic grafts in presence of antioxidants in rat model of Parkinson's disease. <i>Journal of Chemical Neuroanatomy</i> , 2004, 28, 253-264.	1.0	20
46	Hugging tight in Huntington's. <i>Nature Medicine</i> , 2011, 17, 245-246.	15.2	19
47	Carbofuran hampers oligodendrocytes development leading to impaired myelination in the hippocampus of rat brain. <i>NeuroToxicology</i> , 2019, 70, 161-179.	1.4	19
48	Hepatic transcriptional analysis in rats treated with <i>Cassia occidentalis</i> seed: Involvement of oxidative stress and impairment in xenobiotic metabolism as a putative mechanism of toxicity. <i>Toxicology Letters</i> , 2014, 229, 273-283.	0.4	17
49	Benzanthrone induced immunotoxicity via oxidative stress and inflammatory mediators in Balb/c mice. <i>Immunobiology</i> , 2015, 220, 369-381.	0.8	16
50	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.	1.4	13
51	Cypermethrin Impairs Hippocampal Neurogenesis and Cognitive Functions by Altering Neural Fate Decisions in the Rat Brain. <i>Molecular Neurobiology</i> , 2021, 58, 263-280.	1.9	12
52	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.	1.9	11
53	Brain Organoids: Tiny Mirrors of Human Neurodevelopment and Neurological Disorders. <i>Neuroscientist</i> , 2021, 27, 388-426.	2.6	11
54	Mitochondrial Protein Import Dysfunction in Pathogenesis of Neurodegenerative Diseases. <i>Molecular Neurobiology</i> , 2021, 58, 1418-1437.	1.9	11

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55	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.	1.3	10
56	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.	0.5	9
57	Hexadecylated linear PEI self-assembled nanostructures as efficient vectors for neuronal gene delivery. <i>Drug Delivery and Translational Research</i> , 2018, 8, 1436-1449.	3.0	7
58	Nanomedicine against Alzheimer's and Parkinson's Disease. <i>Current Pharmaceutical Design</i> , 2021, 27, 1507-1545.	0.9	7
59	Bisphenol-A Mediated Impaired DRP1-GFER Axis and Cognition Restored by PGC-1 β Upregulation Through Nicotinamide in the Rat Brain Hippocampus. <i>Molecular Neurobiology</i> , 2022, 59, 4761-4775.	1.9	2
60	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.	1.7	0
61	Polyphenols and Stem Cells for Neuroregeneration in Parkinson's Disease and Amyotrophic Lateral Sclerosis. <i>Current Pharmaceutical Design</i> , 2021, 27, .	0.9	0