Rahul Agrawal

List of Publications by Year
in descending order

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26 papers	1,735 citations	304743 22 h-index	552781 26 g-index
26 all docs	26 docs citations	26 times ranked	2861 citing authors

#	Article	IF	Citations
1	Multiâ€Tissue Multiâ€Omics Nutrigenomics Indicates Contextâ€Specific Effects of Docosahexaenoic Acid on Rat Brain. Molecular Nutrition and Food Research, 2020, 64, e2000788.	3.3	2
2	Traumatic Brain Injury Induces Genome-Wide Transcriptomic, Methylomic, and Network Perturbations in Brain and Blood Predicting Neurological Disorders. EBioMedicine, 2017, 16, 184-194.	6.1	88
3	7,8-Dihydroxyflavone facilitates the action exercise to restore plasticity and functionality: Implications for early brain trauma recovery. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 1204-1213.	3.8	38
4	Systems Nutrigenomics Reveals Brain Gene Networks Linking Metabolic and Brain Disorders. EBioMedicine, 2016, 7, 157-166.	6.1	59
5	Dietary fructose aggravates the pathobiology of traumatic brain injury by influencing energy homeostasis and plasticity. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 941-953.	4.3	49
6	Flavonoid derivative 7,8-DHF attenuates TBI pathology via TrkB activation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 862-872.	3.8	52
7	Interactive actions of Bdnf methylation and cell metabolism for building neural resilience under the influence of diet. Neurobiology of Disease, 2015, 73, 307-318.	4.4	55
8	Coupling energy homeostasis with a mechanism to support plasticity in brain trauma. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 535-546.	3.8	35
9	TBI and sex: Crucial role of progesterone protecting the brain in an omegaâˆ’3 deficient condition. Experimental Neurology, 2014, 253, 41-51.	4.1	7
10	Deterioration of plasticity and metabolic homeostasis in the brain of the UCD-T2DM rat model of naturally occurring type-2 diabetes. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 1313-1323.	3.8	39
11	Vulnerability Imposed by Diet and Brain Trauma for Anxiety-Like Phenotype: Implications for Post-Traumatic Stress Disorders. PLoS ONE, 2013, 8, e57945.	2.5	23
12	â€˜Metabolic syndromeâ€™ in the brain: deficiency in omegaâ€3 fatty acid exacerbates dysfunctions in insulin receptor signalling and cognition. Journal of Physiology, 2012, 590, 2485-2499.	2.9	180
13	Dietary Omega-3 Deficiency from Gestation Increases Spinal Cord Vulnerability to Traumatic Brain Injury-Induced Damage. PLoS ONE, 2012, 7, e52998.	2.5	17
14	Insulin receptor signaling in rat hippocampus: A study in STZ (ICV) induced memory deficit model. European Neuropsychopharmacology, 2011, 21, 261-273.	0.7	127
15	Omega-3 Fatty Acid Deficiency during Brain Maturation Reduces Neuronal and Behavioral Plasticity in Adulthood. PLoS ONE, 2011, 6, e28451.	2.5	148
16	Effect of melatonin on neuroinflammation and acetylcholinesterase activity induced by LPS in rat brain. European Journal of Pharmacology, 2010, 640, 206-210.	3.5	79
17	Effect of curcumin on brain insulin receptors and memory functions in STZ (ICV) induced dementia model of rat. Pharmacological Research, 2010, 61, 247-252.	7.1	113
18	Cholinergic protection via Î±7 nicotinic acetylcholine receptors and PI3K-Akt pathway in LPS-induced neuroinflammation. Neurochemistry International, 2010, 56, 135-142.	3.8	84

#	Article	IF	Citations
19	Inhibitory role of cholinergic system mediated via Î±7 nicotinic acetylcholine receptor in LPS-induced neuro-inflammation. Innate Immunity, 2010, 16, 3-13.	2.4	38
20	Cholinergic influence on memory stages: A study on scopolamine amnesic mice. Indian Journal of Pharmacology, 2009, 41, 192.	0.7	50
21	A study of brain insulin receptors, AChE activity and oxidative stress in rat model of ICV STZ induced dementia. Neuropharmacology, 2009, 56, 779-787.	4.1	133
22	A comparative study on oxidative stress induced by LPS and rotenone in homogenates of rat brain regions. Environmental Toxicology and Pharmacology, 2009, 27, 219-224.	4.0	24
23	Effect of donepezil and tacrine on oxidative stress in intracerebral streptozotocin-induced model of dementia in mice. European Journal of Pharmacology, 2008, 581, 283-289.	3.5	131
24	Influence of LPS-induced neuroinflammation on acetylcholinesterase activity in rat brain. Journal of Neuroimmunology, 2008, 205, 51-56.	2.3	83
25	Effect of insulin and melatonin on acetylcholinesterase activity in the brain of amnesic mice. Behavioural Brain Research, 2008, 189, 381-386.	2.2	41
26	Effect of anti-dementia drugs on LPS induced neuroinflammation in mice. Life Sciences, 2007, 80, 1977-1983.	4.3	40