

Avik Roy

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57
papers

2,308
citations

28
h-index

47
g-index

65
ext. papers

2,776
ext. citations

6.6
avg, IF

5.05
L-index

#	Paper	IF	Citations
57	Selective inhibition of NF-kappaB activation prevents dopaminergic neuronal loss in a mouse model of Parkinson's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 18754-9	11.5	334
56	Up-regulation of microglial CD11b expression by nitric oxide. <i>Journal of Biological Chemistry</i> , 2006 , 281, 14971-80	5.4	149
55	Simvastatin inhibits the activation of p21ras and prevents the loss of dopaminergic neurons in a mouse model of Parkinson's disease. <i>Journal of Neuroscience</i> , 2009 , 29, 13543-56	6.6	137
54	Regulation of cyclic AMP response element binding and hippocampal plasticity-related genes by peroxisome proliferator-activated receptor α <i>Cell Reports</i> , 2013 , 4, 724-37	10.6	99
53	HMG-CoA Reductase Inhibitors Bind to PPAR α to Upregulate Neurotrophin Expression in the Brain and Improve Memory in Mice. <i>Cell Metabolism</i> , 2015 , 22, 253-65	24.6	97
52	Reactive oxygen species up-regulate CD11b in microglia via nitric oxide: Implications for neurodegenerative diseases. <i>Free Radical Biology and Medicine</i> , 2008 , 45, 686-99	7.8	90
51	Suppression of nuclear factor- κ B activation and inflammation in microglia by physically modified saline. <i>Journal of Biological Chemistry</i> , 2012 , 287, 29529-42	5.4	89
50	Chronic stress-induced gut dysfunction exacerbates Parkinson's disease phenotype and pathology in a rotenone-induced mouse model of Parkinson's disease. <i>Neurobiology of Disease</i> , 2020 , 135, 104352	7.5	86
49	Sodium phenylbutyrate controls neuroinflammatory and antioxidant activities and protects dopaminergic neurons in mouse models of Parkinson's disease. <i>PLoS ONE</i> , 2012 , 7, e38113	3.7	83
48	Up-regulation of neurotrophic factors by cinnamon and its metabolite sodium benzoate: therapeutic implications for neurodegenerative disorders. <i>Journal of NeuroImmune Pharmacology</i> , 2013 , 8, 739-55	6.9	76
47	Prospects of statins in Parkinson disease. <i>Neuroscientist</i> , 2011 , 17, 244-55	7.6	70
46	Gemfibrozil ameliorates relapsing-remitting experimental autoimmune encephalomyelitis independent of peroxisome proliferator-activated receptor- α . <i>Molecular Pharmacology</i> , 2007 , 72, 934-46	4.3	67
45	Cinnamon and Its Metabolite Sodium Benzoate Attenuate the Activation of p21rac and Protect Memory and Learning in an Animal Model of Alzheimer's Disease. <i>PLoS ONE</i> , 2015 , 10, e0130398	3.7	59
44	Selective disruption of TLR2-MyD88 interaction inhibits inflammation and attenuates Alzheimer's pathology. <i>Journal of Clinical Investigation</i> , 2018 , 128, 4297-4312	15.9	53
43	Gemfibrozil, stretching arms beyond lipid lowering. <i>Immunopharmacology and Immunotoxicology</i> , 2009 , 31, 339-51	3.2	49
42	Neutralization of RANTES and Eotaxin Prevents the Loss of Dopaminergic Neurons in a Mouse Model of Parkinson Disease. <i>Journal of Biological Chemistry</i> , 2016 , 291, 15267-81	5.4	48
41	Cinnamic acid activates PPAR α to stimulate Lysosomal biogenesis and lower Amyloid plaque pathology in an Alzheimer's disease mouse model. <i>Neurobiology of Disease</i> , 2019 , 124, 379-395	7.5	47

40	Gemfibrozil, a lipid-lowering drug, upregulates IL-1 receptor antagonist in mouse cortical neurons: implications for neuronal self-defense. <i>Journal of Immunology</i> , 2012 , 189, 1002-13	5.3	45
39	Identification and characterization of PPAR δ ligands in the hippocampus. <i>Nature Chemical Biology</i> , 2016 , 12, 1075-1083	11.7	41
38	Sodium phenylbutyrate enhances astrocytic neurotrophin synthesis via protein kinase C (PKC)-mediated activation of cAMP-response element-binding protein (CREB): implications for Alzheimer disease therapy. <i>Journal of Biological Chemistry</i> , 2013 , 288, 8299-8312	5.4	38
37	Castration induces Parkinson disease pathologies in young male mice via inducible nitric-oxide synthase. <i>Journal of Biological Chemistry</i> , 2013 , 288, 20843-20855	5.4	37
36	Aspirin binds to PPAR δ to stimulate hippocampal plasticity and protect memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E7408-E7417	11.5	36
35	Protection of dopaminergic neurons in a mouse model of Parkinson's disease by a physically-modified saline containing charge-stabilized nanobubbles. <i>Journal of NeuroImmune Pharmacology</i> , 2014 , 9, 218-32	6.9	36
34	Functional blocking monoclonal antibodies against IL-12p40 homodimer inhibit adoptive transfer of experimental allergic encephalomyelitis. <i>Journal of Immunology</i> , 2009 , 182, 5013-23	5.3	34
33	Myelin basic protein-primed T cells induce neurotrophins in glial cells via α 5 β 3 [corrected] integrin. <i>Journal of Biological Chemistry</i> , 2007 , 282, 32222-32	5.4	32
32	Testing NF- κ B-based therapy in hemiparkinsonian monkeys. <i>Journal of NeuroImmune Pharmacology</i> , 2012 , 7, 544-56	6.9	31
31	Intranasal Delivery of NEMO-Binding Domain Peptide Prevents Memory Loss in a Mouse Model of Alzheimer's Disease. <i>Journal of Alzheimers Disease</i> , 2015 , 47, 385-402	4.3	29
30	Induction of Adaptive Immunity Leads to Nigrostriatal Disease Progression in MPTP Mouse Model of Parkinson's Disease. <i>Journal of Immunology</i> , 2017 , 198, 4312-4326	5.3	28
29	PPAR δ signaling in the hippocampus: crosstalk between fat and memory. <i>Journal of NeuroImmune Pharmacology</i> , 2015 , 10, 30-4	6.9	25
28	Aspirin ameliorates experimental autoimmune encephalomyelitis through interleukin-11-mediated protection of regulatory T cells. <i>Science Signaling</i> , 2018 , 11,	8.8	23
27	RANTES-induced invasion of Th17 cells into substantia nigra potentiates dopaminergic cell loss in MPTP mouse model of Parkinson's disease. <i>Neurobiology of Disease</i> , 2019 , 132, 104575	7.5	22
26	Attenuation of microglial RANTES by NEMO-binding domain peptide inhibits the infiltration of CD8(+) T cells in the nigra of hemiparkinsonian monkey. <i>Neuroscience</i> , 2015 , 302, 36-46	3.9	19
25	Selective neutralization of IL-12 p40 monomer induces death in prostate cancer cells via IL-12-IFN γ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 11482-11487	11.5	17
24	Upregulation of Suppressor of Cytokine Signaling 3 in Microglia by Cinnamic Acid. <i>Current Alzheimer Research</i> , 2018 , 15, 894-904	3	17
23	Enhancement of morphological plasticity in hippocampal neurons by a physically modified saline via phosphatidylinositol-3 kinase. <i>PLoS ONE</i> , 2014 , 9, e101883	3.7	16

22	Myelin Basic Protein-primed T Helper 2 Cells Suppress Microglial Activation via AlphaV Beta3 Integrin: Implications for Multiple Sclerosis. <i>Journal of Clinical & Cellular Immunology</i> , 2013 , 7, 158	2.7	15
21	Cinnamon and its Metabolite Protect the Nigrostriatum in a Mouse Model of Parkinson's Disease Via Astrocytic GDNF. <i>Journal of NeuroImmune Pharmacology</i> , 2019 , 14, 503-518	6.9	14
20	Low-Dose Maraviroc, an Antiretroviral Drug, Attenuates the Infiltration of T Cells into the Central Nervous System and Protects the Nigrostriatum in Hemiparkinsonian Monkeys. <i>Journal of Immunology</i> , 2019 ,	5.3	13
19	Cinnamon Converts Poor Learning Mice to Good Learners: Implications for Memory Improvement. <i>Journal of NeuroImmune Pharmacology</i> , 2016 , 11, 693-707	6.9	12
18	Ankyrin repeat and BTB/POZ domain containing protein-2 inhibits the aggregation of alpha-synuclein: implications for Parkinson's disease. <i>FEBS Letters</i> , 2013 , 587, 3567-74	3.8	10
17	Sodium Benzoate, a Food Additive and a Metabolite of Cinnamon, Enriches Regulatory T Cells via STAT6-Mediated Upregulation of TGF- β . <i>Journal of Immunology</i> , 2016 , 197, 3099-3110	5.3	10
16	ACE2: At the crossroad of COVID-19 and lung cancer. <i>Gene Reports</i> , 2021 , 23, 101077	1.4	9
15	Upregulation of BDNF and hippocampal functions by a hippocampal ligand of PPAR γ . <i>JCI Insight</i> , 2020 , 5,	9.9	8
14	IL-12 p40 monomer is different from other IL-12 family members to selectively inhibit IL-12R β internalization and suppress EAE. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 21557-21567	11.5	8
13	Selective targeting of the TLR2/MyD88/NF- κ B pathway reduces β synuclein spreading in vitro and in vivo. <i>Nature Communications</i> , 2021 , 12, 5382	17.4	8
12	PPAR δ serves as a new receptor of aspirin for neuroprotection. <i>Journal of Neuroscience Research</i> , 2020 , 98, 626-631	4.4	7
11	PPAR δ Between Aspirin and Plaque Clearance. <i>Journal of Alzheimer's Disease</i> , 2019 , 71, 389-397	4.3	6
10	BPOZ-2 Gene Delivery Ameliorates Alpha-Synucleinopathy in A53T Transgenic Mouse Model of Parkinson's Disease. <i>Scientific Reports</i> , 2016 , 6, 22067	4.9	6
9	Activation of Peroxisome Proliferator-Activated Receptor- γ Increases the Expression of Nuclear Receptor Related 1 Protein (Nurr1) in Dopaminergic Neurons. <i>Molecular Neurobiology</i> , 2019 , 56, 7872-7887	6.7	5
8	Aspirin up-regulates suppressor of cytokine signaling 3 in glial cells via PPAR δ . <i>Journal of Neurochemistry</i> , 2019 , 151, 50-63	6	5
7	Gemfibrozil Protects Dopaminergic Neurons in a Mouse Model of Parkinson's Disease via PPAR δ -Dependent Astrocytic GDNF Pathway. <i>Journal of Neuroscience</i> , 2021 , 41, 2287-2300	6.6	4
6	Reduction of Lewy Body Pathology by Oral Cinnamon. <i>Journal of NeuroImmune Pharmacology</i> , 2021 , 16, 592-608	6.9	3
5	Upregulation of tripeptidyl-peptidase 1 by 3-hydroxy-(2,2)-dimethyl butyrate, a brain endogenous ligand of PPAR δ : Implications for late-infantile Batten disease therapy. <i>Neurobiology of Disease</i> , 2019 , 127, 362-373	7.5	1

4	ACIS, A Novel KepTide β Binds to ACE-2 Receptor and Inhibits the Infection of SARS-CoV2 Virus in vitro in Primate Kidney Cells: Therapeutic Implications for COVID-19		1
3	Targeting BPOZ-2 in Lewy body disease. <i>Neural Regeneration Research</i> , 2016 , 11, 910-1	4.5	1
2	Upregulation of IL-1 Receptor Antagonist by Aspirin in Glial Cells via Peroxisome Proliferator-Activated Receptor-Alpha. <i>Journal of Alzheimer's Disease Reports</i> , 2021 , 5, 647-661	3.3	1
1	Elevated ATG13 in serum of patients with ME/CFS stimulates oxidative stress response in microglial cells via activation of receptor for advanced glycation end products (RAGE).. <i>Molecular and Cellular Neurosciences</i> , 2022 , 120, 103731	4.8	0