Brent J Ryan

List of Publications by Year
in descending order

34 papers	2,322 citations	304743 22 h-index	395702 33 g-index
38 all docs	38 docs citations	38 times ranked	4185 citing authors

#	Article	IF	Citations
1	Mitochondrial dysfunction and mitophagy in Parkinson's: from familial to sporadic disease. Trends in Biochemical Sciences, 2015, 40, 200-210.	7.5	444
2	ER Stress and Autophagic Perturbations Lead to Elevated Extracellular Î±-Synuclein in GBA-N370S Parkinson's iPSC-Derived Dopamine Neurons. Stem Cell Reports, 2016, 6, 342-356.	4.8	279
3	Deficits in dopaminergic transmission precede neuron loss and dysfunction in a new Parkinson model. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4016-25.	7.1	259
4	Mitochondrial Dysfunction and Mitophagy in Parkinsonâ€™s Disease: From Mechanism to Therapy. Trends in Biochemical Sciences, 2021, 46, 329-343.	7.5	234
5	Single-Cell Sequencing of iPSC-Dopamine Neurons Reconstructs Disease Progression and Identifies HDAC4 as a Regulator of Parkinson Cell Phenotypes. Cell Stem Cell, 2019, 24, 93-106.e6.	11.1	123
6	Cellular Î±-synuclein pathology is associated with bioenergetic dysfunction in Parkinsonâ€™s iPSC-derived dopamine neurons. Human Molecular Genetics, 2019, 28, 2001-2013.	2.9	102
7	Oxidative post-translational modifications and their involvement in the pathogenesis of autoimmune diseases. Redox Biology, 2014, 2, 715-724.	9.0	91
8	Measurement and meaning of markers of reactive species of oxygen, nitrogen and sulfur in healthy human subjects and patients with inflammatory joint disease. Biochemical Society Transactions, 2011, 39, 1226-1232.	3.4	85
9	Mitochondrial dysfunction and increased glycolysis in prodromal and early Parkinson's blood cells. Movement Disorders, 2018, 33, 1580-1590.	3.9	69
10	Autoantibodies to Posttranslational Modifications in Rheumatoid Arthritis. Mediators of Inflammation, 2014, 2014, 1-19.	3.0	64
11	Extracellular calreticulin is present in the joints of patients with rheumatoid arthritis and inhibits FasL (CD95L)â€“mediated apoptosis of T cells. Arthritis and Rheumatism, 2010, 62, 2919-2929.	6.7	50
12	A novel role for endothelial tetrahydrobiopterin in mitochondrial redox balance. Free Radical Biology and Medicine, 2017, 104, 214-225.	2.9	49
13	PARK2 Mutation Causes Metabolic Disturbances and Impaired Survival of Human iPSC-Derived Neurons. Frontiers in Cellular Neuroscience, 2019, 13, 297.	3.7	47
14	Region-specific deficits in dopamine, but not norepinephrine, signaling in a novel A30P Î±-synuclein BAC transgenic mouse. Neurobiology of Disease, 2014, 62, 193-207.	4.4	46
15	Oxidative and other posttranslational modifications in extracellular vesicle biology. Seminars in Cell and Developmental Biology, 2015, 40, 8-16.	5.0	41
16	Perturbations in RhoA signalling cause altered migration and impaired neuritogenesis in human iPSC-derived neural cells with PARK2 mutation. Neurobiology of Disease, 2019, 132, 104581.	4.4	32
17	Lysosomal perturbations in human dopaminergic neurons derived from induced pluripotent stem cells with PARK2 mutation. Scientific Reports, 2020, 10, 10278.	3.3	31
18	A requirement for Gch1 and tetrahydrobiopterin in embryonic development. Developmental Biology, 2015, 399, 129-138.	2.0	30

#	Article	IF	Citations
19	Detection and isolation of human serum autoantibodies that recognize oxidatively modified autoantigens. Free Radical Biology and Medicine, 2013, 57, 79-91.	2.9	27
20	Protein-protein interaction networks identify targets which rescue the MPP+ cellular model of Parkinsonâ€™s disease. Scientific Reports, 2015, 5, 17004.	3.3	27
21	C-type natriuretic peptide and natriuretic peptide receptor B signalling inhibits cardiac sympathetic neurotransmission and autonomic function. Cardiovascular Research, 2016, 112, 637-644.	3.8	27
22	Î±-Synuclein and mitochondrial bioenergetics regulate tetrahydrobiopterin levels in a human dopaminergic model of Parkinson disease. Free Radical Biology and Medicine, 2014, 67, 58-68.	2.9	26
23	Identification of bioactive metabolites in human iPSC-derived dopaminergic neurons with PARK2 mutation: Altered mitochondrial and energy metabolism. Stem Cell Reports, 2021, 16, 1510-1526.	4.8	25
24	Enhancing mitophagy as a therapeutic approach for neurodegenerative diseases. International Review of Neurobiology, 2020, 155, 169-202.	2.0	20
25	Striatal Dopamine Transporter Function Is Facilitated by Converging Biology of Î±-Synuclein and Cholesterol. Frontiers in Cellular Neuroscience, 2021, 15, 658244.	3.7	18
26	REST Protects Dopaminergic Neurons from Mitochondrial and Î±-Synuclein Oligomer Pathology in an Alpha Synuclein Overexpressing BAC-Transgenic Mouse Model. Journal of Neuroscience, 2021, 41, 3731-3746.	3.6	15
27	Oxidation Resistance 1 Modulates Glycolytic Pathways in the Cerebellum via an Interaction with Glucose-6-Phosphate Isomerase. Molecular Neurobiology, 2019, 56, 1558-1577.	4.0	14
28	Detection and Characterization of Autoantibodies Against Modified Self-Proteins in SLE Sera After Exposure to Reactive Oxygen and Nitrogen Species. Methods in Molecular Biology, 2014, 1134, 163-171.	0.9	14
29	Haplotype-specific MAPT exon 3 expression regulated by common intronic polymorphisms associated with Parkinsonian disorders. Molecular Neurodegeneration, 2017, 12, 79.	10.8	13
30	Multiparameter phenotypic screening for endogenous TFEB and TFE3 translocation identifies novel chemical series modulating lysosome function. Autophagy, 2023, 19, 692-705.	9.1	6
31	Parkinsonâ€™s disease in GTP cyclohydrolase 1 mutation carriers. Brain, 2015, 138, e348-e348.	7.6	4
32	Commentary: Parkinson disease-linked GBA mutation effects reversed by molecular chaperones in human cell and fly models. Frontiers in Neuroscience, 2016, 10, 578.	2.8	3
33	Reactive Oxygen Species. , 2016, , 1145-1150.		1
34	Reactive Oxygen Species. , 2014, , 1-6.		0