

Marthe H R Ludtmann

List of Publications by Year in descending order

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27
papers

2,358
citations

331670

21
h-index

642732

23
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all docs

27
docs citations

27
times ranked

4394
citing authors

#	ARTICLE	IF	CITATIONS
1	Î±-synuclein oligomers interact with ATP synthase and open the permeability transition pore in Parkinson's disease. <i>Nature Communications</i> , 2018, 9, 2293.	12.8	351
2	Alpha-Synuclein Oligomers Interact with Metal Ions to Induce Oxidative Stress and Neuronal Death in Parkinson's Disease. <i>Antioxidants and Redox Signaling</i> , 2016, 24, 376-391.	5.4	266
3	Impaired mitochondrial calcium efflux contributes to disease progression in models of Alzheimer's disease. <i>Nature Communications</i> , 2019, 10, 3885.	12.8	224
4	Nrf2 affects the efficiency of mitochondrial fatty acid oxidation. <i>Biochemical Journal</i> , 2014, 457, 415-424.	3.7	192
5	Monomeric Alpha-Synuclein Exerts a Physiological Role on Brain ATP Synthase. <i>Journal of Neuroscience</i> , 2016, 36, 10510-10521.	3.6	142
6	Aggregated Î±-synuclein and complex I deficiency: exploration of their relationship in differentiated neurons. <i>Cell Death and Disease</i> , 2015, 6, e1820-e1820.	6.3	139
7	PKA Phosphorylation of NCLX Reverses Mitochondrial Calcium Overload and Depolarization, Promoting Survival of PINK1-Deficient Dopaminergic Neurons. <i>Cell Reports</i> , 2015, 13, 376-386.	6.4	136
8	Calcium is a key factor in Î±-synuclein induced neurotoxicity. <i>Journal of Cell Science</i> , 2016, 129, 1792-801.	2.0	136
9	A Missense Mutation in KCTD17 Causes Autosomal Dominant Myoclonus-Dystonia. <i>American Journal of Human Genetics</i> , 2015, 96, 938-947.	6.2	109
10	Mitochondrial calcium imbalance in Parkinson's disease. <i>Neuroscience Letters</i> , 2018, 663, 86-90.	2.1	101
11	Loss of PINK1 Increases the Heart's Vulnerability to Ischemia-Reperfusion Injury. <i>PLoS ONE</i> , 2013, 8, e62400.	2.5	99
12	Hypoxia signaling controls postnatal changes in cardiac mitochondrial morphology and function. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 74, 340-352.	1.9	82
13	Clinical, pathological and functional characterization of riboflavin-responsive neuropathy. <i>Brain</i> , 2017, 140, 2820-2837.	7.6	64
14	Nanobodies raised against monomeric Î±-synuclein inhibit fibril formation and destabilize toxic oligomeric species. <i>BMC Biology</i> , 2017, 15, 57.	3.8	61
15	FBS/BSA media concentration determines CCCP's ability to depolarize mitochondria and activate PINK1-PRKN mitophagy. <i>Autophagy</i> , 2019, 15, 2002-2011.	9.1	57
16	LRRK2 deficiency induced mitochondrial Ca ²⁺ efflux inhibition can be rescued by Na ⁺ /Ca ²⁺ /Li ⁺ exchanger upregulation. <i>Cell Death and Disease</i> , 2019, 10, 265.	6.3	50
17	Molecular pharmacology in a simple model system: Implicating MAP kinase and phosphoinositide signalling in bipolar disorder. <i>Seminars in Cell and Developmental Biology</i> , 2011, 22, 105-113.	5.0	34
18	Naringenin inhibits the growth of <i>D. discoideum</i> and MDCK-derived cysts in a TRPP2 (polycystin-2)-dependent manner. <i>British Journal of Pharmacology</i> , 2014, 171, 2659-2670.	5.4	31

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19	Mutations in valosin-containing protein (VCP) decrease ADP/ATP translocation across the mitochondrial membrane and impair energy metabolism in human neurons. <i>Journal of Biological Chemistry</i> , 2017, 292, 8907-8917.	3.4	27
20	Protein kinase C signalling during miracidium to mother sporocyst development in the helminth parasite, <i>Schistosoma mansoni</i> . <i>International Journal for Parasitology</i> , 2009, 39, 1223-1233.	3.1	25
21	An ancestral non-proteolytic role for presenilin proteins in multicellular development of the social amoeba <i>Dictyostelium discoideum</i> . <i>Journal of Cell Science</i> , 2014, 127, 1576-84.	2.0	24
22	Ca ²⁺ is a key factor in α -synuclein-induced neurotoxicity. <i>Development (Cambridge)</i> , 2016, 143, e1.1-e1.1.	2.5	5
23	A Physiological Role for Alpha-Synuclein in the Regulation of ATP Synthesis. <i>Biophysical Journal</i> , 2016, 110, 471a.	0.5	2
24	Protein Misfolding and Aggregation: Implications for Mitochondrial Dysfunction and Neurodegeneration. , 2016, , 241-253.		1
25	Alpha-Synuclein Modulates [Ca ²⁺] _c of Neurons and Astrocytes that Trigger Cell Death. <i>Biophysical Journal</i> , 2014, 106, 529a.	0.5	0
26	Alpha-Synuclein Induces Mitochondrial Dysfunction Leading to a Higher Susceptibility of PTP Opening. <i>Biophysical Journal</i> , 2014, 106, 590a.	0.5	0
27	Direct Modulation of the Mitochondrial Permeability Transition Pore by Oligomeric Alpha-Synuclein Causes Toxicity in PD. <i>Biophysical Journal</i> , 2017, 112, 440a.	0.5	0