Simone Engelender

List of Publications by Year
in descending order

67 papers	12,789 citations	94415 37 h-index	110368 64 g-index
68 all docs	68 docs citations	68 times ranked	24322 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
3	Parkin Mediates Nonclassical, Proteasomal-Independent Ubiquitination of Synphilin-1: Implications for Lewy Body Formation. Journal of Neuroscience, 2005, 25, 2002-2009.	3.6	489
4	Synphilin-1 associates with Î±-synuclein and promotes the formation of cytosolic inclusions. Nature Genetics, 1999, 22, 110-114.	21.4	473
5	Inducible expression of mutant alpha-synuclein decreases proteasome activity and increases sensitivity to mitochondria-dependent apoptosis. Human Molecular Genetics, 2001, 10, 919-926.	2.9	442
6	Synphilin-1 is present in Lewy bodies in Parkinson's disease. Annals of Neurology, 2000, 47, 521-523.	5.3	246
7	Ubiquitylation of synphilin-1 and Â-synuclein by SIAH and its presence in cellular inclusions and Lewy bodies imply a role in Parkinson's disease. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 5500-5505.	7.1	177
8	Î±-Synuclein fate is determined by USP9X-regulated monoubiquitination. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18666-18671.	7.1	154
9	Monoubiquitylation of Î±-Synuclein by Seven in Absentia Homolog (SIAH) Promotes Its Aggregation in Dopaminergic Cells. Journal of Biological Chemistry, 2008, 283, 3316-3328.	3.4	153
10	Glycation potentiates Î±-synuclein-associated neurodegeneration in synucleinopathies. Brain, 2017, 140, 1399-1419.	7.6	153
11	The Threshold Theory for Parkinson's Disease. Trends in Neurosciences, 2017, 40, 4-14.	8.6	153
12	Human serine racemase: moleular cloning, genomic organization and functional analysis. Gene, 2000, 256, 183-188.	2.2	137
13	Inhibition of creatine kinase byS-nitrosoglutathione. FEBS Letters, 1996, 392, 274-276.	2.8	132
14	SUMOylation and ubiquitination reciprocally regulate Î±-synuclein degradation and pathological aggregation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13176-13181.	7.1	131
15	Identification and functional characterization of a novel R621C mutation in the synphilin-1 gene in Parkinson's disease. Human Molecular Genetics, 2003, 12, 1223-1231.	2.9	124
16	Huntingtin-associated protein 1 (HAP1) binds to a Trio-like polypeptide, with a rac1 guanine nucleotide exchange factor domain. Human Molecular Genetics, 1997, 6, 1519-1525.	2.9	114
17	The PINK1, synphilin-1 and SIAH-1 complex constitutes a novel mitophagy pathway. Human Molecular Genetics, 2016, 25, 3476-3490.	2.9	108
18	Phosphorylation of Parkin by the Cyclin-dependent Kinase 5 at the Linker Region Modulates Its Ubiquitin-Ligase Activity and Aggregation. Journal of Biological Chemistry, 2007, 282, 12842-12850.	3.4	105

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19	Synphilin-1 Is Developmentally Localized to Synaptic Terminals, and Its Association with Synaptic Vesicles Is Modulated by Î±-Synuclein. Journal of Biological Chemistry, 2002, 277, 23927-23933.	3.4	94
20	Ubiquitination of Î±-synuclein and autophagy in Parkinson's disease. Autophagy, 2008, 4, 372-374.	9.1	90
21	The NMDA receptor activation by <scp>d</scp> -serine and glycine is controlled by an astrocytic Phgdh-dependent serine shuttle. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20736-20742.	7.1	89
22	A new strategy to decrease N-methyl-D-aspartate (NMDA) receptor coactivation: Inhibition of D-serine synthesis by converting serine racemase into an eliminase. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 5294-5299.	7.1	87
23	Initial stages of radial glia astrocytic transformation in the early postnatal anterior subventricular zone. Journal of Neurobiology, 2002, 52, 251-265.	3.6	84
24	Immunocytochemical localization of synphilin-1, an Î±-synuclein-associated protein, in neurodegenerative disorders. Acta Neuropathologica, 2002, 103, 209-214.	7.7	76
25	Convergence of Parkin, PINK1, and Î±-Synuclein on Stress-induced Mitochondrial Morphological Remodeling. Journal of Biological Chemistry, 2015, 290, 13862-13874.	3.4	76
26	Lipid and immune abnormalities causing age-dependent neurodegeneration and Parkinsonâ€™s disease. Journal of Neuroinflammation, 2019, 16, 153.	7.2	76
27	Inducible PC12 cell model of Huntingtonâ€™s disease shows toxicity and decreased histone acetylation. NeuroReport, 2003, 14, 565-568.	1.2	68
28	Huntington's Disease and Dentatorubralâ€Pallidoluysian Atrophy: Proteins, Pathogenesis and Pathology. Brain Pathology, 1997, 7, 1003-1016.	4.1	60
29	Ubiqutination via K27 and K29 chains signals aggregation and neuronal protection of LRRK2 by WSB1. Nature Communications, 2016, 7, 11792.	12.8	56
30	Sarco/endoplasmic reticulum Ca2+-ATPase isoforms: diverse responses to acidosis. Biochemical Journal, 1997, 321, 545-550.	3.7	51
31	Synphilin-1A: An aggregation-prone isoform of synphilin-1 that causes neuronal death and is present in aggregates from Â-synucleinopathy patients. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5917-5922.	7.1	49
32	The proteasomal subunit S6 ATPase is a novel synphilinâ€1 interacting proteinâ€”implications for Parkinson's disease. FASEB Journal, 2007, 21, 1759-1767.	0.5	48
33	The alanineâ€serineâ€cysteineâ€1 (Ascâ€1) transporter controls glycine levels in the brain and is required for glycinergic inhibitory transmission. EMBO Reports, 2015, 16, 590-598.	4.5	48
34	ATAD3B is a mitophagy receptor mediating clearance of oxidative stressâ€induced damaged mitochondrial DNA. EMBO Journal, 2021, 40, e106283.	7.8	44
35	Glycogen Synthase Kinase 3Î² Modulates Synphilin-1 Ubiquitylation and Cellular Inclusion Formation by SIAH. Journal of Biological Chemistry, 2005, 280, 42877-42886.	3.4	41
36	Synphilin-1 and parkin show overlapping expression patterns in human brain and form aggresomes in response to proteasomal inhibition. Neurobiology of Disease, 2005, 20, 401-411.	4.4	40

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37	Site-Specific Differences in Proteasome-Dependent Degradation of Monoubiquitinated Î±-Synuclein. Chemistry and Biology, 2013, 20, 1207-1213.	6.0	40
38	The Ca2+-ATPase Isoforms of Platelets Are Located in Distinct Functional Ca2+ Pools and Are Uncoupled by a Mechanism Different from That of Skeletal Muscle Ca2+-ATPase. Journal of Biological Chemistry, 1995, 270, 21050-21055.	3.4	37
39	Chapter 28 Pathogenesis of neurodegenerative diseases associated with expanded glutamine repeats: New answers, new questions. Progress in Brain Research, 1998, 117, 397-419.	1.4	35
40	Synphilin-1A Inhibits Seven in Absentia Homolog (SIAH) and Modulates Î±-Synuclein Monoubiquitylation and Inclusion Formation. Journal of Biological Chemistry, 2009, 284, 11706-11716.	3.4	31
41	Synphilin-1 isoforms in Parkinsonâ€™s disease: regulation by phosphorylation and ubiquitylation. Cellular and Molecular Life Sciences, 2008, 65, 80-88.	5.4	27
42	Gene structure and map location of the murine homolog of the Huntington-associated protein, Hap1. Mammalian Genome, 1998, 9, 565-570.	2.2	26
43	Î±-synuclein fate. Autophagy, 2012, 8, 418-420.	9.1	26
44	AF-6 is a positive modulator of the PINK1/parkin pathway and is deficient in Parkinson's disease. Human Molecular Genetics, 2013, 22, 2083-2096.	2.9	25
45	α-Synuclein Ubiquitination and Novel Therapeutic Targets for Parkinsonâ€™s Disease. CNS and Neurological Disorders - Drug Targets, 2014, 13, 630-637.	1.4	24
46	Organization of the human synphilin-1 gene, a candidate for Parkinson's disease. Mammalian Genome, 2000, 11, 763-766.	2.2	21
47	Synphilin Isoforms and the Search for a Cellular Model of Lewy Body Formation in Parkinson's Disease. Cell Cycle, 2006, 5, 2082-2086.	2.6	19
48	Synphilin-1 attenuates mutant LRRK2-induced neurodegeneration in Parkinson's disease models. Human Molecular Genetics, 2016, 25, 672-680.	2.9	19
49	Physiological and pathological roles of LRRK2 in the nuclear envelope integrity. Human Molecular Genetics, 2019, 28, 3982-3996.	2.9	19
50	Genetic Analysis of Synphilin-1 in Familial Parkinson's Disease. Neurobiology of Disease, 2001, 8, 317-323.	4.4	18
51	No pathogenic mutations in the synphilin-1 gene in Parkinson's disease. Neuroscience Letters, 2001, 307, 125-127.	2.1	18
52	SUMOylation in Î±-Synuclein Homeostasis and Pathology. Frontiers in Aging Neuroscience, 2020, 12, 167.	3.4	16
53	Regulation of the channel function of Ca2+-ATPase. Biochimica Et Biophysica Acta - Bioenergetics, 1996, 1275, 105-110.	1.0	15
54	AF-6 Protects Against Dopaminergic Dysfunction and Mitochondrial Abnormalities in Drosophila Models of Parkinsonâ€™s Disease. Frontiers in Cellular Neuroscience, 2017, 11, 241.	3.7	15

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55	Mutation analysis of the seven in absentia homolog 1 (SIAH1) gene in Parkinsonâ€™s disease. Journal of Neural Transmission, 2006, 113, 1903-1908.	2.8	13
56	BMP5/7 protect dopaminergic neurons in an Î±-synuclein mouse model of Parkinsonâ€™s disease. Brain, 2021, 144, e15-e15.	7.6	11
57	Can We Treat Neurodegenerative Proteinopathies by Enhancing Protein Degradation?. Movement Disorders, 2022, 37, 1346-1359.	3.9	11
58	Protein interactions with a gender-specific gene ofSchistosoma mansoni: characterization by DNase I footprinting, band shift and UV cross-linking. Molecular and Cellular Biochemistry, 1993, 124, 159-168.	3.1	8
59	Human huntingtin-associated protein (HAP-1) gene: genomic organisation and an intragenic polymorphism. Gene, 2000, 254, 181-187.	2.2	6
60	Chromosomal localization of the Huntingtin Associated Protein (HAP-1) gene in mouse and humans with radiation hybrid and interspecific backcross mapping. Mammalian Genome, 1999, 10, 397-398.	2.2	5
61	Synphilinâ€1 is present in Lewy bodies in Parkinson's disease. Annals of Neurology, 2000, 47, 521-523.	5.3	5
62	Reaction Mechanism of the Sarcoplasmic Reticulum Ca2+-ATPase. Advances in Molecular and Cell Biology, 1997, , 1-31.	0.1	3
63	Periphilin is a novel interactor of synphilin-1, a protein implicated in Parkinson's disease. Neurogenetics, 2010, 11, 203-215.	1.4	2
64	Synphilin-1 is present in Lewy bodies in Parkinson's disease. , 2000, 47, 521.		1
65	Synphilin-1: a possible molecular determinant for Parkinson's disease. Anais Da Academia Brasileira De Ciencias, 2000, 72, 439-439.	0.8	0
66	Synphilin-1 is developmentally localized to synaptic terminals, and its association with synaptic vesicles is modulated by Î±-synuclein.. Journal of Biological Chemistry, 2002, 277, 34651-34654.	3.4	0
67	Protein-DNA associations in a gender-specific gene of Schistosoma mansoni: characterization by UV cross-linking, DNase I footprinting and band shift assays. Memorias Do Instituto Oswaldo Cruz, 1992, 87, 67-70.	1.6	0