Sabine Hilfiker

List of Publications by Year
in descending order

55 papers	10,888 citations	172457 29 h-index	175258 52 g-index
58 all docs	58 docs citations	58 times ranked	22391 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	Synapsins as regulators of neurotransmitter release. Philosophical Transactions of the Royal Society B: Biological Sciences, 1999, 354, 269-279.	4.0	478
4	Leucine-rich repeat kinase 2 regulates autophagy through a calcium-dependent pathway involving NAADP. Human Molecular Genetics, 2012, 21, 511-525.	2.9	285
5	Two sites of action for synapsin domain E in regulating neurotransmitter release. Nature Neuroscience, 1998, 1, 29-35.	14.8	154
6	Ca2+ Stores and Ca2+ Entry Differentially Contribute to the Release of IL-1Î² and IL-1Î± from Murine Macrophages. Journal of Immunology, 2003, 170, 3029-3036.	0.8	139
7	LRRK2 delays degradative receptor trafficking by impeding late endosomal budding through decreasing Rab7 activity. Human Molecular Genetics, 2014, 23, 6779-6796.	2.9	139
8	Structural Domains Involved in the Regulation of Transmitter Release by Synapsins. Journal of Neuroscience, 2005, 25, 2658-2669.	3.6	134
9	Mechanistic insight into the dominant mode of the Parkinson's disease-associated G2019S LRRK2 mutation. Human Molecular Genetics, 2007, 16, 2031-2039.	2.9	132
10	Molecular evolution of the synapsin gene family. , 1999, 285, 360-377.		105
11	Regulation of Synaptotagmin I Phosphorylation by Multiple Protein Kinases. Journal of Neurochemistry, 2001, 73, 921-932.	3.9	89
12	Parkinson disease-associated mutations in LRRK2 cause centrosomal defects via Rab8a phosphorylation. Molecular Neurodegeneration, 2018, 13, 3.	10.8	77
13	RAB8, RAB10 and RILPL1 contribute to both LRRK2 kinaseâ€“mediated centrosomal cohesion and ciliogenesis deficits. Human Molecular Genetics, 2019, 28, 3552-3568.	2.9	72
14	Vesicle pools and synapsins: New insights into old enigmas. Brain Cell Biology, 2007, 35, 107-115.	3.2	67
15	GTP binding regulates cellular localization of Parkinson's disease-associated LRRK2. Human Molecular Genetics, 2017, 26, 2747-2767.	2.9	67
16	Proteins involved in synaptic vesicle trafficking. Journal of Physiology, 1999, 520, 33-41.	2.9	65
17	The G2019S variant of leucine-rich repeat kinase 2 (LRRK2) alters endolysosomal trafficking by impairing the function of the GTPase RAB8A. Journal of Biological Chemistry, 2019, 294, 4738-4758.	3.4	62
18	Identification of synapsin I peptides that insert into lipid membranes. Biochemical Journal, 2001, 354, 57-66.	3.7	61

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19	Phosphatidylinositol 4-OH Kinase Is a Downstream Target of Neuronal Calcium Sensor-1 in Enhancing Exocytosis in Neuroendocrine Cells. Journal of Biological Chemistry, 2003, 278, 6075-6084.	3.4	59
20	Neuronal calcium sensor 1 and phosphatidylinositol 4-OH kinase Î²interact in neuronal cells and are translocated to membranes during nucleotide-evoked exocytosis. Journal of Cell Science, 2002, 115, 3909-3922.	2.0	55
21	Targeting the Autophagy/Lysosomal Degradation Pathway in Parkinsons Disease. Current Neuropharmacology, 2016, 14, 238-249.	2.9	52
22	Transmembrane-domain determinants for SNARE-mediated membrane fusion. Journal of Cell Science, 2010, 123, 2473-2480.	2.0	46
23	Combined kinase inhibition modulates parkin inactivation. Human Molecular Genetics, 2009, 18, 809-23.	2.9	43
24	LRRK2 as a modulator of lysosomal calcium homeostasis with downstream effects on autophagy. Autophagy, 2012, 8, 692-693.	9.1	42
25	Tonically active protein kinase A regulates neurotransmitter release at the squid giant synapse. Journal of Physiology, 2001, 531, 141-146.	2.9	41
26	RAB7L1-Mediated Relocalization of LRRK2 to the Golgi Complex Causes Centrosomal Deficits via RAB8A. Frontiers in Molecular Neuroscience, 2018, 11, 417.	2.9	38
27	Iron overload causes endolysosomal deficits modulated by NAADP-regulated 2-pore channels and RAB7A. Autophagy, 2016, 12, 1487-1506.	9.1	37
28	Identification of synapsin I peptides that insert into lipid membranes. Biochemical Journal, 2001, 354, 57.	3.7	34
29	Upstream deregulation of calcium signaling in ParkinsonÃ¢â‚¬â„¢s disease. Frontiers in Molecular Neuroscience, 2014, 7, 53.	2.9	34
30	A delayed response enhancement during hippocampal presynaptic plasticity in mice. Journal of Physiology, 2007, 583, 129-143.	2.9	33
31	In vivo potential antidiabetic activity of a novel zinc coordination compound based on 3-carboxy-pyrazole. Journal of Inorganic Biochemistry, 2014, 131, 64-67.	3.5	32
32	Centrosomal cohesion deficits as cellular biomarker in lymphoblastoid cell lines from LRRK2 Parkinson's disease patients. Biochemical Journal, 2019, 476, 2797-2813.	3.7	31
33	Regulation of synaptic vesicle fusion by protein kinase C. Journal of Physiology, 1999, 515, 1-1.	2.9	30
34	Kinase inhibition of G2019S-LRRK2 enhances autolysosome formation and function to reduce endogenous alpha-synuclein intracellular inclusions. Cell Death Discovery, 2020, 6, 45.	4.7	30
35	Alterations in late endocytic trafficking related to the pathobiology of LRRK2-linked Parkinson's disease. Biochemical Society Transactions, 2015, 43, 390-395.	3.4	28
36	Coupling calcium to SNAREâ€“mediated synaptic vesicle fusion. Nature Neuroscience, 1999, 2, 104-106.	14.8	27

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37	A link between LRRK2, autophagy and NAADP-mediated endolysosomal calcium signalling. Biochemical Society Transactions, 2012, 40, 1140-1146.	3.4	26
38	Trafficking of the glutamate transporter is impaired in LRRK2-related Parkinsonâ€™s disease. Acta Neuropathologica, 2022, 144, 81-106.	7.7	22
39	A Link between Autophagy and the Pathophysiology of LRRK2 in Parkinson's Disease. Parkinson's Disease, 2012, 2012, 1-9.	1.1	21
40	Biomonitorization of iron accumulation in the substantia nigra from Lewy body disease patients. Toxicology Reports, 2017, 4, 188-193.	3.3	20
41	Distinct Roles for RAB10 and RAB29 in Pathogenic LRRK2-Mediated Endolysosomal Trafficking Alterations. Cells, 2020, 9, 1719.	4.1	20
42	LRRK2-Related Parkinsonâ€™s Disease Due to Altered Endolysosomal Biology With Variable Lewy Body Pathology: A Hypothesis. Frontiers in Neuroscience, 2020, 14, 556.	2.8	19
43	LRRK2 and Parkinson's Disease: From Lack of Structure to Gain of Function. Current Protein and Peptide Science, 2017, 18, 677-686.	1.4	17
44	Pathogenic LRRK2 regulates centrosome cohesion via Rab10/RILPL1-mediated CDK5RAP2 displacement. IScience, 2022, 25, 104476.	4.1	13
45	A Role for Soluble <i>N</i>-Ethylmaleimide-sensitive Factor Attachment Protein Receptor Complex Dimerization during Neurosecretion. Molecular Biology of the Cell, 2008, 19, 3379-3389.	2.1	12
46	The LRRK2 signaling network converges on a centriolar phospho-Rab10/RILPL1 complex to cause deficits in centrosome cohesion and cell polarization. Biology Open, 2022, 11, .	1.2	12
47	LRRK2: from kinase to GTPase to microtubules and back. Biochemical Society Transactions, 2017, 45, 141-146.	3.4	11
48	Cellular effects mediated by pathogenic LRRK2: homing in on Rab-mediated processes. Biochemical Society Transactions, 2017, 45, 147-154.	3.4	11
49	Rab GTPases in Parkinson's disease: a primer. Essays in Biochemistry, 2021, 65, 961-974.	4.7	11
50	Hydroxytyrosol increases norepinephrine transporter function in pheochromocytoma cells. Nuclear Medicine and Biology, 2008, 35, 801-804.	0.6	8
51	Evaluation of Current Methods to Detect Cellular Leucine-Rich Repeat Kinase 2 (LRRK2) Kinase Activity. Journal of Parkinson's Disease, 2022, 12, 1423-1447.	2.8	8
52	Decrease in phorbol ester-induced potentiation of noradrenaline release in synapsin I-deficient mice. , 2000, 36, 114-119.		4
53	Two-Pore Channels and Parkinson's Disease: Where's the Link?. Messenger (Los Angeles, Calif: Print), 2016, 5, 67-75.	0.3	4
54	Molecular evolution of the synapsin gene family. The Journal of Experimental Zoology, 1999, 285, 360-377.	1.4	2

#	Article	IF	Citations
55	Sexy regulation of SNARE-mediated membrane fusion by local lipid metabolism. Frontiers in Synaptic Neuroscience, 2010, 2, 3.	2.5	0