

# Giovanni Piccoli

## List of Publications by Year in descending order

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44  
papers

1,890  
citations

304602

22  
h-index

276775

41  
g-index

45  
all docs

45  
docs citations

45  
times ranked

3114  
citing authors

#	ARTICLE	IF	CITATIONS
1	LRRK2 Controls Synaptic Vesicle Storage and Mobilization within the Recycling Pool. <i>Journal of Neuroscience</i> , 2011, 31, 2225-2237.	1.7	240
2	Synaptic Dysfunction in Parkinson's Disease. <i>Advances in Experimental Medicine and Biology</i> , 2012, 970, 553-572.	0.8	209
3	Synaptic Activity Controls Dendritic Spine Morphology by Modulating eEF2-Dependent BDNF Synthesis. <i>Journal of Neuroscience</i> , 2010, 30, 5830-5842.	1.7	128
4	LRRK2 phosphorylates pre-synaptic N-ethylmaleimide sensitive fusion (NSF) protein enhancing its ATPase activity and SNARE complex disassembling rate. <i>Molecular Neurodegeneration</i> , 2016, 11, 1.	4.4	128
5	The fragile X mental retardation protein's RNP granules show an mGluR-dependent localization in the post-synaptic spines. <i>Molecular and Cellular Neurosciences</i> , 2007, 34, 343-354.	1.0	108
6	Leucine-Rich Repeat Kinase 2 Binds to Neuronal Vesicles through Protein Interactions Mediated by Its C-Terminal WD40 Domain. <i>Molecular and Cellular Biology</i> , 2014, 34, 2147-2161.	1.1	91
7	LRRK2 kinase activity regulates synaptic vesicle trafficking and neurotransmitter release through modulation of LRRK2 macro-molecular complex. <i>Frontiers in Molecular Neuroscience</i> , 2014, 7, 49.	1.4	82
8	A Functional Role of Postsynaptic Density-95-Guanylate Kinase-Associated Protein Complex in Regulating Shank Assembly and Stability to Synapses. <i>Journal of Neuroscience</i> , 2004, 24, 9391-9404.	1.7	81
9	A Cell Surface Biotinylation Assay to Reveal Membrane-associated Neuronal Cues: Negr1 Regulates Dendritic Arborization. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 733-748.	2.5	57
10	Leucine-rich repeat kinase 2 interacts with p21-activated kinase 6 to control neurite complexity in mammalian brain. <i>Journal of Neurochemistry</i> , 2015, 135, 1242-1256.	2.1	57
11	The IgLON Family Member Negr1 Promotes Neuronal Arborization Acting as Soluble Factor via FGFR2. <i>Frontiers in Molecular Neuroscience</i> , 2015, 8, 89.	1.4	49
12	The LRRK2 G2385R variant is a partial loss-of-function mutation that affects synaptic vesicle trafficking through altered protein interactions. <i>Scientific Reports</i> , 2017, 7, 5377.	1.6	49
13	PAK6 Phosphorylates 14-3-3 $\beta$ to Regulate Steady State Phosphorylation of LRRK2. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 417.	1.4	46
14	Clearance of RhodopsinP23H aggregates requires the ERAD effector VCP. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2010, 1803, 424-434.	1.9	45
15	LRRK2 Regulates Voltage-Gated Calcium Channel Function. <i>Frontiers in Molecular Neuroscience</i> , 2016, 9, 35.	1.4	45
16	NEGR1 and FGFR2 cooperatively regulate cortical development and core behaviours related to autism disorders in mice. <i>Brain</i> , 2018, 141, 2772-2794.	3.7	45
17	Organization of the Presynaptic Active Zone by ERC2/CAST1-Dependent Clustering of the Tandem PDZ Protein Syntenin-1. <i>Journal of Neuroscience</i> , 2006, 26, 963-970.	1.7	41
18	Proteomic Analysis of Activity-Dependent Synaptic Plasticity in Hippocampal Neurons. <i>Journal of Proteome Research</i> , 2007, 6, 3203-3215.	1.8	40

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19	Presynaptic dysfunction in Parkinson's disease: a focus on LRRK2. <i>Biochemical Society Transactions</i> , 2012, 40, 1111-1116.	1.6	33
20	The LRRK2 Variant E193K Prevents Mitochondrial Fission Upon MPP+ Treatment by Altering LRRK2 Binding to DRP1. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 64.	1.4	32
21	Kinase inhibition of G2019S-LRRK2 enhances autolysosome formation and function to reduce endogenous alpha-synuclein intracellular inclusions. <i>Cell Death Discovery</i> , 2020, 6, 45.	2.0	30
22	Cryopreservation of Primary Mouse Neurons: The Benefit of Neurostore Cryoprotective Medium. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 81.	1.8	25
23	Leucine-rich repeat kinase 2 phosphorylation on synapsin I regulates glutamate release at presynaptic sites. <i>Journal of Neurochemistry</i> , 2019, 150, 264-281.	2.1	25
24	Protein fingerprints of cultured CA3-CA1 hippocampal neurons: comparative analysis of the distribution of synaptosomal and cytosolic proteins. <i>BMC Neuroscience</i> , 2008, 9, 36.	0.8	22
25	Trafficking of the glutamate transporter is impaired in LRRK2-related Parkinson's disease. <i>Acta Neuropathologica</i> , 2022, 144, 81-106.	3.9	22
26	LRRK2 at the presynaptic site: A 16 years perspective. <i>Journal of Neurochemistry</i> , 2021, 157, 297-311.	2.1	17
27	LRRK2 G2019S kinase activity triggers neurotoxic NSF aggregation. <i>Brain</i> , 2021, 144, 1509-1525.	3.7	17
28	Depression-Associated Gene Negr1-Fgfr2 Pathway Is Altered by Antidepressant Treatment. <i>Cells</i> , 2020, 9, 1818.	1.8	16
29	Trehalose-based neuroprotective autophagy inducers. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 40, 127929.	1.0	16
30	Nanolipid-Trehalose Conjugates and Nano-Assemblies as Putative Autophagy Inducers. <i>Pharmaceutics</i> , 2019, 11, 422.	2.0	14
31	LRRK2 along the Golgi and lysosome connection: a jamming situation. <i>Biochemical Society Transactions</i> , 2021, 49, 2063-2072.	1.6	13
32	Hypoglycemia due to PI3K/AKT/mTOR signaling pathway defects: two novel cases and review of the literature. <i>Hormones</i> , 2021, 20, 623-640.	0.9	10
33	LRRK2 phosphorylation level correlates with abnormal motor behaviour in an experimental model of levodopa-induced dyskinesias. <i>Molecular Brain</i> , 2016, 9, 53.	1.3	9
34	Parkin Interacts with Apoptosis-Inducing Factor and Interferes with Its Translocation to the Nucleus in Neuronal Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 748.	1.8	9
35	The LRRK2 N-terminal domain influences vesicle trafficking: impact of the E193K variant. <i>Scientific Reports</i> , 2020, 10, 3799.	1.6	9
36	TIRFM and pH-sensitive GFP-probes to Evaluate Neurotransmitter Vesicle Dynamics in SH-SY5Y Neuroblastoma Cells: Cell Imaging and Data Analysis. <i>Journal of Visualized Experiments</i> , 2015, ,	0.2	8

#	ARTICLE	IF	CITATIONS
37	Levetiracetam treatment ameliorates LRRK2 pathological mutant phenotype. Journal of Cellular and Molecular Medicine, 2019, 23, 8505-8510.	1.6	7
38	Squalene-Based Nano-Assemblies Improve the Pro-Autophagic Activity of Trehalose. Pharmaceutics, 2022, 14, 862.	2.0	7
39	Ankyrin-G induces nucleoporin RanBP2/Nup358 to associate with the axon initial segment of neurons. Journal of Cell Science, 2019, 132, .	1.2	4
40	The role of Negr1 in cortical development via NCAM-FGFR2 signaling. SpringerPlus, 2015, 4, .	1.2	2
41	Autophagy. , 2017, , 179-206.		1
42	Inherited hyperammonemias: a Contemporary view on pathogenesis and diagnosis. Expert Opinion on Orphan Drugs, 2018, 6, 105-116.	0.5	1
43	Regulation of Dendritic Spine Morphology and Synaptic Function By Scaffolding Proteins. , 2006, , 261-276.		0
44	Atherogenic lipid profile in patients with Niemann-Pick disease type B: What treatment strategies?. Journal of Clinical Lipidology, 2022, , .	0.6	0