

# Genta Ito

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

2,480  
citations

430874

18  
h-index

610901

24  
g-index

29  
all docs

29  
docs citations

29  
times ranked

3009  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphoproteomics reveals that Parkinson's disease kinase LRRK2 regulates a subset of Rab GTPases. <i>ELife</i> , 2016, 5, .	6.0	766
2	GTP Binding Is Essential to the Protein Kinase Activity of LRRK2, a Causative Gene Product for Familial Parkinson's Disease. <i>Biochemistry</i> , 2007, 46, 1380-1388.	2.5	246
3	LRRK2 and its substrate Rab GTPases are sequentially targeted onto stressed lysosomes and maintain their homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9115-E9124.	7.1	222
4	Lewy Body Pathology Involves Cutaneous Nerves. <i>Journal of Neuropathology and Experimental Neurology</i> , 2008, 67, 945-953.	1.7	182
5	Phos-tag analysis of Rab10 phosphorylation by LRRK2: a powerful assay for assessing kinase function and inhibitors. <i>Biochemical Journal</i> , 2016, 473, 2671-2685.	3.7	147
6	Interrogating Parkinson's disease LRRK2 kinase pathway activity by assessing Rab10 phosphorylation in human neutrophils. <i>Biochemical Journal</i> , 2018, 475, 23-44.	3.7	136
7	Analysis of the Adrenal Gland Is Useful for Evaluating Pathology of the Peripheral Autonomic Nervous System in Lewy Body Disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2007, 66, 354-362.	1.7	107
8	Cytoplasmic localization and proteasomal degradation of N-terminally cleaved form of PINK1. <i>Neuroscience Letters</i> , 2008, 430, 13-17.	2.1	105
9	Identification of the Autophosphorylation Sites of LRRK2. <i>Biochemistry</i> , 2009, 48, 10963-10975.	2.5	99
10	Roles of distinct cysteine residues in S-nitrosylation and dimerization of DJ-1. <i>Biochemical and Biophysical Research Communications</i> , 2006, 339, 667-672.	2.1	69
11	Phosphorylation of $\alpha$ -Synuclein Protein at Ser-129 Reduces Neuronal Dysfunction by Lowering Its Membrane Binding Property in <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 7098-7109.	3.4	67
12	Discovery of a Pyrrolopyrimidine (JH-II-127), a Highly Potent, Selective, and Brain Penetrant LRRK2 Inhibitor. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 584-589.	2.8	46
13	LRRK2 in Parkinson's disease and dementia with Lewy bodies. <i>Molecular Neurodegeneration</i> , 2006, 1, 17.	10.8	40
14	Enhanced Accumulation of Phosphorylated $\alpha$ -Synuclein and Elevated $A\beta_{42}/A\beta_{40}$ Ratio Caused by Expression of the Presenilin-1 $\Delta E440$ Mutant Associated with Familial Lewy Body Disease and Variant Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2007, 27, 13092-13097.	3.6	40
15	Re-examination of the dimerization state of leucine-rich repeat kinase 2: predominance of the monomeric form. <i>Biochemical Journal</i> , 2012, 441, 987-998.	3.7	39
16	Structural Characterization of LRRK2 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 3751-3756.	6.4	34
17	Leucine-Rich Repeat Kinase 2 Colocalizes with $\alpha$ -Synuclein in Parkinson's Disease, but Not Tau-Containing Deposits in Tauopathies. <i>Neurodegenerative Diseases</i> , 2008, 5, 222-224.	1.4	29
18	Lack of Correlation between the Kinase Activity of LRRK2 Harboring Kinase-Modifying Mutations and Its Phosphorylation at Ser910, 935, and Ser955. <i>PLoS ONE</i> , 2014, 9, e97988.	2.5	27

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19	Differential Effects of Familial Parkinson Mutations in LRRK2 Revealed by a Systematic Analysis of Autophosphorylation. <i>Biochemistry</i> , 2013, 52, 6052-6062.	2.5	19
20	Physiological and pathological functions of LRRK2: implications from substrate proteins. <i>Neuronal Signaling</i> , 2018, 2, NS20180005.	3.2	15
21	The Regulation of Rab GTPases by Phosphorylation. <i>Biomolecules</i> , 2021, 11, 1340.	4.0	15
22	BORCS6 is involved in the enlargement of lung lamellar bodies in <i>Lrrk2</i> knockout mice. <i>Human Molecular Genetics</i> , 2021, 30, 1618-1631.	2.9	8
23	Rab10 Phosphorylation Detection by LRRK2 Activity Using SDS-PAGE with a Phosphate-binding Tag. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	4
24	Detection of Substrate Phosphorylation of in Tissues and Cultured Cells. <i>Methods in Molecular Biology</i> , 2021, 2322, 53-61.	0.9	1
25	Characterization of Rab phosphorylation by LRRK2 using Phos-tag SDS-PAGE. <i>Denki Eido</i> , 2019, 63, 31-34.	0.0	0