Yuzuru Imai

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8581388/publications.pdf

Version: 2024-02-01

99

papers

14,573

citations

76326

40

h-index

56724

83

g-index

105

all docs

105

docs citations

105

times ranked

22446

citing authors

#	Article	IF	Citations
1	Ubiquitination at the lysine 27 residue of the Parkin ubiquitin-like domain is suggestive of a new mechanism of Parkin activation. Human Molecular Genetics, 2022, 31, 2623-2638.	2.9	1
2	Analysis of Dopaminergic Functions in Drosophila. Methods in Molecular Biology, 2021, 2322, 185-193.	0.9	0
3	Cytosolic and Mitochondrial Ca2+ Imaging in Drosophila. Methods in Molecular Biology, 2021, 2322, 207-214.	0.9	0
4	Î±-Synuclein Seeding Assay Using RT-QuIC. Methods in Molecular Biology, 2021, 2322, 3-16.	0.9	6
5	Midbrain as an Ex Vivo Analysis Platform for Parkinsonâ€™s Disease. Methods in Molecular Biology, 2021, 2322, 111-117.	0.9	2
6	Measurement of GCase Activity in Cultured Cells. Methods in Molecular Biology, 2021, 2322, 47-52.	0.9	0
7	Î±-Synuclein Seeding Assay Using Cultured Cells. Methods in Molecular Biology, 2021, 2322, 27-39.	0.9	2
8	A Novel LRRK2 Variant p.G2294R in the WD40 Domain Identified in Familial Parkinsonâ€™s Disease Affects LRRK2 Protein Levels. International Journal of Molecular Sciences, 2021, 22, 3708.	4.1	7
9	High-fat dietâ€“induced activation of SGK1 promotes Alzheimerâ€™s diseaseâ€“associated tau pathology. Human Molecular Genetics, 2021, 30, 1693-1710.	2.9	23
10	Editorial: Molecular Links Between Mitochondrial Damage and Parkinson's Disease and Related Disorders. Frontiers in Cell and Developmental Biology, 2021, 9, 734475.	3.7	0
11	UQCRC1 engages cytochrome c for neuronal apoptotic cell death. Cell Reports, 2021, 36, 109729.	6.4	13
12	Monitoring PINK1-Parkin Signaling Using from iPS Cells. Methods in Molecular Biology, 2021, 2322, 81-92.	0.9	0
13	Syntaxin 17, an ancient SNARE paralog, plays different and conserved roles in different organisms. Journal of Cell Science, 2021, 134, .	2.0	6
14	Identifying Therapeutic Agents for Amelioration of Mitochondrial Clearance Disorder in Neurons of Familial Parkinson Disease. Stem Cell Reports, 2020, 14, 1060-1075.	4.8	43
15	Reduced astrocytic reactivity in human brains and midbrain organoids with PRKN mutations. Npj Parkinson's Disease, 2020, 6, 33.	5.3	30
16	Lipids: Key Players That Modulate Î±-Synuclein Toxicity and Neurodegeneration in Parkinsonâ€™s Disease. International Journal of Molecular Sciences, 2020, 21, 3301.	4.1	36
17	A novel rare variant of LRRK2 associated with familial Parkinson's disease: p.R1501W. Parkinsonism and Related Disorders, 2020, 76, 46-48.	2.2	3
18	Editorial for the Special Issue â€œAnimal Models of Parkinsonâ€™s Disease and Related Disordersâ€. International Journal of Molecular Sciences, 2020, 21, 4250.	4.1	0

#	Article	IF	Citations
19	PINK1-Parkin signaling in Parkinsonâ€™s disease: Lessons from Drosophila. Neuroscience Research, 2020, 159, 40-46.	1.9	24
20	A Cell-Based High-Throughput Screening Identified Two Compounds that Enhance PINK1-Parkin Signaling. IScience, 2020, 23, 101048.	4.1	21
21	Mutations in CHCHD2 cause Î±-synuclein aggregation. Human Molecular Genetics, 2019, 28, 3895-3911.	2.9	48
22	Parkinsonâ€™s disease-associated <i>iPLA2-VIA/</i> PLA2G6 regulates neuronal functions and Î±-synuclein stability through membrane remodeling. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20689-20699.	7.1	67
23	Twin CHCH Proteins, CHCHD2, and CHCHD10: Key Molecules of Parkinsonâ€™s Disease, Amyotrophic Lateral Sclerosis, and Frontotemporal Dementia. International Journal of Molecular Sciences, 2019, 20, 908.	4.1	39
24	Light-driven activation of mitochondrial proton-motive force improves motor behaviors in a Drosophila model of Parkinsonâ€™s disease. Communications Biology, 2019, 2, 424.	4.4	25
25	The dawn of pirna research in various neuronal disorders. Frontiers in Bioscience - Landmark, 2019, 24, 1440-1451.	3.0	22
26	Syntaxin 17 regulates the localization and function of PGAM5 in mitochondrial division and mitophagy. EMBO Journal, 2018, 37, .	7.8	68
27	Regulation of membrane dynamics by Parkinsonâ€™s disease-associated genes. Journal of Genetics, 2018, 97, 715-727.	0.7	8
28	Regulation of membrane dynamics by Parkinson's disease-associated genes. Journal of Genetics, 2018, 97, 715-725.	0.7	4
29	Vps35 in cooperation with LRRK2 regulates synaptic vesicle endocytosis through the endosomal pathway in Drosophila. Human Molecular Genetics, 2017, 26, 2933-2948.	2.9	93
30	Loss of Parkinsonâ€™s disease-associated protein CHCHD2 affects mitochondrial crista structure and destabilizes cytochrome c. Nature Communications, 2017, 8, 15500.	12.8	123
31	Monitoring Mitochondrial Changes by Alteration of the PINK1-Parkin Signaling in Drosophila. Methods in Molecular Biology, 2017, 1759, 47-57.	0.9	3
32	Mitochondrial-Associated Membranes in Parkinsonâ€™s Disease. Advances in Experimental Medicine and Biology, 2017, 997, 157-169.	1.6	26
33	Reduced TDP-43 Expression Improves Neuronal Activities in a Drosophila Model of Perry Syndrome. EBioMedicine, 2017, 21, 218-227.	6.1	10
34	Evidence that phosphorylated ubiquitin signaling is involved in the etiology of Parkinsonâ€™s disease. Human Molecular Genetics, 2017, 26, 3172-3185.	2.9	42
35	Live Imaging of Axonal Transport in the Motor Neurons of Drosophila Larvae. Bio-protocol, 2017, 7, e2631.	0.4	3
36	Quantitative Assessment of Eye Phenotypes for Functional Genetic Studies Using<i>Drosophila melanogaster</i>. G3: Genes, Genomes, Genetics, 2016, 6, 1427-1437.	1.8	67

#	ARTICLE	IF	CITATIONS
37	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
38	The Parkinsonâ€™s Disease-Associated Protein Kinase LRRK2 Modulates Notch Signaling through the Endosomal Pathway. PLoS Genetics, 2015, 11, e1005503.	3.5	59
39	Mitophagy Regulated by the PINK1-Parkin Pathway. , 2015, , .		8
40	Generation and characterization of novel conformation-specific monoclonal antibodies for Î±-synuclein pathology. Neurobiology of Disease, 2015, 79, 81-99.	4.4	116
41	Regulation of vesicular trafficking by Parkinson's disease-associated genes. AIMS Molecular Science, 2015, 2, 461-475.	0.5	11
42	Ubiquitin Ligase-Assisted Selective Autophagy of Mitochondria. , 2014, , 151-161.		0
43	Mitophagy Controlled by the PINK1-Parkin Pathway Is Associated with Parkinsonâ€™s Disease Pathogenesis. , 2014, , 227-238.		1
44	Phosphorylation of Mitochondrial Polyubiquitin by PINK1 Promotes Parkin Mitochondrial Tethering. PLoS Genetics, 2014, 10, e1004861.	3.5	140
45	PINK1-Mediated Phosphorylation of Parkin Boosts Parkin Activity in Drosophila. PLoS Genetics, 2014, 10, e1004391.	3.5	55
46	Lysine 63-linked Polyubiquitination Is Dispensable for Parkin-mediated Mitophagy. Journal of Biological Chemistry, 2014, 289, 33131-33136.	3.4	22
47	Regulation by mitophagy. International Journal of Biochemistry and Cell Biology, 2014, 53, 147-150.	2.8	40
48	Tricornered/NDR kinase signaling mediates PINK1-directed mitochondrial quality control and tissue maintenance. Genes and Development, 2013, 27, 157-162.	5.9	45
49	Parkinson's Diseaseâ€“Associated Kinase PINK1 Regulates Miro Protein Level and Axonal Transport of Mitochondria. PLoS Genetics, 2012, 8, e1002537.	3.5	325
50	PINK1-mediated phosphorylation of the Parkin ubiquitin-like domain primes mitochondrial translocation of Parkin and regulates mitophagy. Scientific Reports, 2012, 2, 1002.	3.3	466
51	Mitochondrial Regulation by PINK1-Parkin Signaling. , 2012, 2012, 1-15.		9
52	The synaptic function of LRRK2. Biochemical Society Transactions, 2012, 40, 1047-1051.	3.4	24
53	Animal Models of Parkinson's Disease 2012. Parkinson's Disease, 2012, 2012, 1-2.	1.1	4
54	The Nitric Oxide-Cyclic GMP Pathway Regulates FoxO and Alters Dopaminergic Neuron Survival in Drosophila. PLoS ONE, 2012, 7, e30958.	2.5	23

#	ARTICLE	IF	CITATIONS
55	The HECT-type ubiquitin ligase Huwe1/Mule mediates the stability of PINK1. Neuroscience Research, 2011, 71, e101.	1.9	0
56	Animal Models of Parkinson's Disease. Parkinson's Disease, 2011, 2011, 1-2.	1.1	4
57	Mitochondrial dynamics and mitophagy in Parkinson's disease: disordered cellular power plant becomes a big deal in a major movement disorder. Current Opinion in Neurobiology, 2011, 21, 935-941.	4.2	56
58	Proton transport properties of poly(aspartic acid) with different average molecular weights. Journal of Chemical Thermodynamics, 2011, 43, 613-616.	2.0	4
59	Pathogenic LRRK2 negatively regulates microRNA-mediated translational repression. Nature, 2010, 466, 637-641.	27.8	353
60	Activation of FoxO by LRRK2 induces expression of proapoptotic proteins and alters survival of postmitotic dopaminergic neuron in Drosophila. Human Molecular Genetics, 2010, 19, 3747-3758.	2.9	84
61	The Loss of PGAM5 Suppresses the Mitochondrial Degeneration Caused by Inactivation of PINK1 in Drosophila. PLoS Genetics, 2010, 6, e1001229.	3.5	72
62	Regulation of the PINK1 signaling by a mitochondrial protein PGAM5. Neuroscience Research, 2010, 68, e71.	1.9	1
63	Leucine-rich repeat kinase 2 interacts with Parkin, DJ-1 and PINK-1 in a Drosophila melanogaster model of Parkinson's disease. Human Molecular Genetics, 2009, 18, 4390-4404.	2.9	170
64	Phosphorylation of FoxO by LRRK2 affects the maintenance of dopaminergic neurons in Drosophila. Neuroscience Research, 2009, 65, S66.	1.9	1
65	Phosphorylation of 4E-BP by LRRK2 affects the maintenance of dopaminergic neurons in Drosophila. EMBO Journal, 2008, 27, 2432-2443.	7.8	392
66	Parkin as a tumor suppressor gene for hepatocellular carcinoma. Oncogene, 2008, 27, 6002-6011.	5.9	188
67	Paelâ€R transgenic mice crossed with parkin deficient mice displayed progressive and selective catecholaminergic neuronal loss. Journal of Neurochemistry, 2008, 107, 171-185.	3.9	56
68	Rines/RNF180, a novel RING finger geneâ€encoded product, is a membraneâ€bound ubiquitin ligase. Genes To Cells, 2008, 13, 397-409.	1.2	37
69	Activation of PAR-1 Kinase and Stimulation of Tau Phosphorylation by Diverse Signals Require the Tumor Suppressor Protein LKB1. Journal of Neuroscience, 2007, 27, 574-581.	3.6	77
70	Pael receptor induces death of dopaminergic neurons in the substantia nigra via endoplasmic reticulum stress and dopamine toxicity, which is enhanced under condition of parkin inactivation. Human Molecular Genetics, 2007, 16, 50-60.	2.9	339
71	Pael-R transgenic mouse crossed with parkin null mouse displays persistent endoplasmic reticulum stress, reduction in complex I activity and dopaminergic neuronal death. Neuroscience Research, 2007, 58, S6.	1.9	0
72	Pael receptor is involved in dopamine metabolism in the nigrostriatal system. Neuroscience Research, 2007, 59, 413-425.	1.9	39

#	ARTICLE	IF	CITATIONS
73	Cell Type-Specific Upregulation of Parkin in Response to ER Stress. Antioxidants and Redox Signaling, 2007, 9, 533-542.	5.4	30
74	Mitochondrial pathology and muscle and dopaminergic neuron degeneration caused by inactivation of <i>Drosophila</i> Pink1 is rescued by Parkin. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 10793-10798.	7.1	717
75	Structure of human ubiquitin-conjugating enzyme E2 G2 (UBE2G2/UBC7). Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 330-334.	0.7	24
76	The neuropeptide head activator is a high-affinity ligand for the orphan G-protein-coupled receptor GPR37. Journal of Cell Science, 2006, 119, 542-549.	2.0	75
77	<i>In vivo</i> evidence of CHIP upâ€regulation attenuating tau aggregation. Journal of Neurochemistry, 2005, 94, 1254-1263.	3.9	186
78	Inactivation of <i>Drosophila</i> DJ-1 leads to impairments of oxidative stress response and phosphatidylinositol 3-kinase/Akt signaling. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13670-13675.	7.1	325
79	Parkin Phosphorylation and Modulation of Its E3 Ubiquitin Ligase Activity. Journal of Biological Chemistry, 2005, 280, 3390-3399.	3.4	102
80	How do Parkin mutations result in neurodegeneration?. Current Opinion in Neurobiology, 2004, 14, 384-389.	4.2	54
81	Pael-R is accumulated in Lewy bodies of Parkinson's disease. Annals of Neurology, 2004, 55, 439-442.	5.3	140
82	Pael receptor, endoplasmic reticulum stress, and Parkinson?s disease. Journal of Neurology, 2003, 250, 1-1.	3.6	41
83	Parkin Suppresses Dopaminergic Neuron-Selective Neurotoxicity Induced by Pael-R in Drosophila. Neuron, 2003, 37, 911-924.	8.1	350
84	A Product of the Human Gene Adjacent to parkin Is a Component of Lewy Bodies and Suppresses Pael Receptor-induced Cell Death. Journal of Biological Chemistry, 2003, 278, 51901-51910.	3.4	62
85	Parkin and Endoplasmic Reticulum Stress. Annals of the New York Academy of Sciences, 2003, 991, 101-106.	3.8	48
86	CHIP Is Associated with Parkin, a Gene Responsible for Familial Parkinson's Disease, and Enhances Its Ubiquitin Ligase Activity. Molecular Cell, 2002, 10, 55-67.	9.7	460
87	Ubiquitin-Proteasome Pathway is a Key to Understanding of Nigral Degeneration in Autosomal Recessive Juvenile Parkinsonâ€™s Disease. Advances in Behavioral Biology, 2002, , 291-296.	0.2	0
88	A Serine Protease, HtrA2, Is Released from the Mitochondria and Interacts with XIAP, Inducing Cell Death. Molecular Cell, 2001, 8, 613-621.	9.7	1,026
89	An Unfolded Putative Transmembrane Polypeptide, which Can Lead to Endoplasmic Reticulum Stress, Is a Substrate of Parkin. Cell, 2001, 105, 891-902.	28.9	1,008
90	Parkin Suppresses Unfolded Protein Stress-induced Cell Death through Its E3 Ubiquitin-protein Ligase Activity. Journal of Biological Chemistry, 2000, 275, 35661-35664.	3.4	677

#	ARTICLE	IF	CITATIONS
91	The CED-4-homologous protein FLASH is involved in Fas-mediated activation of caspase-8 during apoptosis. Nature, 1999, 398, 777-785.	27.8	237
92	Searching for FLASH domains. Nature, 1999, 401, 662-663.	27.8	21
93	Ultrastructural Changes in Granulosa Cells in Porcine Antral Follicles Undergoing Atresia Indicate Apoptotic Cell Death.. Journal of Reproduction and Development, 1998, 44, 7-14.	1.4	35
94	Monoclonal Antibodies against Pig Ovarian Follicular Granulosa Cells Induce Apoptotic Cell Death in Cultured Granulosa Cells. Journal of Veterinary Medical Science, 1997, 59, 641-649.	0.9	18
95	Apoptosis Occurs in Granulosa Cells but not Cumulus Cells in the Atretic Graafian Follicles in Multiparous Pig Ovaries.. Acta Histochemica Et Cytochemica, 1997, 30, 85-92.	1.6	24
96	Affinity labeling displays the stepwise activation of ICE-related proteases by Fas, staurosporine, and CrmA-sensitive caspase-8. Oncogene, 1997, 14, 2741-2752.	5.9	118
97	Measurements of the mitochondrial respiration and glycolytic activity in Drosophila embryonic cells. Protocol Exchange, 0, , .	0.3	1
98	UQCRC1 Engages Cytochrome C for Neuronal Apoptotic Cell Death. SSRN Electronic Journal, 0, , .	0.4	0
99	Clinical Manifestations and Molecular Backgrounds of Parkinson's Disease Regarding Genes Identified From Familial and Population Studies. Frontiers in Neurology, 0, 13, .	2.4	6