Ken Nakamura

List of Publications by Year
in descending order

49 papers	5,476 citations	218677 26 h-index	214800 47 g-index
52 all docs	52 docs citations	52 times ranked	8841 citing authors

#	Article	IF	Citations
1	Increased Expression of Î±-Synuclein Reduces Neurotransmitter Release by Inhibiting Synaptic Vesicle Reclustering after Endocytosis. Neuron, 2010, 65, 66-79.	8.1	885
2	Direct Membrane Association Drives Mitochondrial Fission by the Parkinson Disease-associated Protein Î±-Synuclein. Journal of Biological Chemistry, 2011, 286, 20710-20726.	3.4	499
3	The ubiquitin ligase parkin mediates resistance to intracellular pathogens. Nature, 2013, 501, 512-516.	27.8	487
4	Lipid Rafts Mediate the Synaptic Localization of Â-Synuclein. Journal of Neuroscience, 2004, 24, 6715-6723.	3.6	485
5	Mitochondrial dynamics in neurodegeneration. Trends in Cell Biology, 2013, 23, 64-71.	7.9	409
6	A Neo-Substrate that Amplifies Catalytic Activity of Parkinsonâ€™s-Disease-Related Kinase PINK1. Cell, 2013, 154, 737-747.	28.9	229
7	Mapping the Genetic Landscape of Human Cells. Cell, 2018, 174, 953-967.e22.	28.9	226
8	The Role of Mitochondrially Derived ATP in Synaptic Vesicle Recycling. Journal of Biological Chemistry, 2015, 290, 22325-22336.	3.4	219
9	Molecular chaperone TRAP1 regulates a metabolic switch between mitochondrial respiration and aerobic glycolysis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1604-12.	7.1	217
10	Optical Reporters for the Conformation of Î±-Synuclein Reveal a Specific Interaction with Mitochondria. Journal of Neuroscience, 2008, 28, 12305-12317.	3.6	185
11	Loss of Mitochondrial Fission Depletes Axonal Mitochondria in Midbrain Dopamine Neurons. Journal of Neuroscience, 2014, 34, 14304-14317.	3.6	165
12	SARS-CoV-2 infection of human iPSCâ€“derived cardiac cells reflects cytopathic features in hearts of patients with COVID-19. Science Translational Medicine, 2021, 13, .	12.4	143
13	SIRT4 regulates ATP homeostasis and mediates a retrograde signaling via AMPK. Aging, 2013, 5, 835-849.	3.1	130
14	Energy Failure. Annals of Neurology, 2013, 74, 506-516.	5.3	125
15	Mutant LRRK2 Toxicity in Neurons Depends on LRRK2 Levels and Synuclein But Not Kinase Activity or Inclusion Bodies. Journal of Neuroscience, 2014, 34, 418-433.	3.6	124
16	Î±-Synuclein and Mitochondria: Partners in Crime?. Neurotherapeutics, 2013, 10, 391-399.	4.4	104
17	The Selective Toxicity of 1-Methyl-4-phenylpyridinium to Dopaminergic Neurons: The Role of Mitochondrial Complex I and Reactive Oxygen Species Revisited. Molecular Pharmacology, 2000, 58, 271-278.	2.3	103
18	Understanding the susceptibility of dopamine neurons to mitochondrial stressors in Parkinson's disease. FEBS Letters, 2015, 589, 3702-3713.	2.8	99

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19	Tetrahydrobiopterin Scavenges Superoxide in Dopaminergic Neurons. Journal of Biological Chemistry, 2001, 276, 34402-34407.	3.4	86
20	Effects of unilateral subthalamic and pallidal deep brain stimulation on fine motor functions in Parkinson's disease. Movement Disorders, 2007, 22, 619-626.	3.9	51
21	A high-throughput screen of real-time ATP levels in individual cells reveals mechanisms of energy failure. PLoS Biology, 2018, 16, e2004624.	5.6	47
22	A Map of Human Mitochondrial Protein Interactions Linked to Neurodegeneration Reveals New Mechanisms of Redox Homeostasis and NF-ÎºB Signaling. Cell Systems, 2017, 5, 564-577.e12.	6.2	44
23	The behavior of Î±â€synuclein in neurons. Movement Disorders, 2010, 25, S21-6.	3.9	43
24	Preferential Resistance of Dopaminergic Neurons to the Toxicity of Glutathione Depletion Is Independent of Cellular Glutathione Peroxidase and Is Mediated by Tetrahydrobiopterin. Journal of Neurochemistry, 2002, 74, 2305-2314.	3.9	41
25	Long-term oral kinetin does not protect against Î±-synuclein-induced neurodegeneration in rodent models of Parkinson's disease. Neurochemistry International, 2017, 109, 106-116.	3.8	39
26	Polyneuropathy following gastric bypass surgery. American Journal of Medicine, 2003, 115, 679-680.	1.5	27
27	To be or not to be pink(1): contradictory findings in an animal model for Parkinsonâ€™s disease. Brain Communications, 2019, 1, fcz016.	3.3	22
28	Huntington's disease: Clinical characteristics, pathogenesis and therapies. Drugs of Today, 2007, 43, 97.	1.1	21
29	Defining the ATPome reveals cross-optimization of metabolic pathways. Nature Communications, 2020, 11, 4319.	12.8	17
30	Loss of Î±-Synuclein Does Not Affect Mitochondrial Bioenergetics in Rodent Neurons. ENeuro, 2017, 4, ENEURO.0216-16.2017.	1.9	16
31	Longitudinal tracking of neuronal mitochondria delineates PINK1/Parkin-dependent mechanisms of mitochondrial recycling and degradation. Science Advances, 2021, 7, .	10.3	13
32	Genetically encoded cell-death indicators (GEDI) to detect an early irreversible commitment to neurodegeneration. Nature Communications, 2021, 12, 5284.	12.8	13
33	Mitochondrial fission is a critical modulator of mutant APP-induced neural toxicity. Journal of Biological Chemistry, 2021, 296, 100469.	3.4	12
34	Isoflurane inhibition of endocytosis is an anesthetic mechanism of action. Current Biology, 2022, 32, 3016-3032.e3.	3.9	12
35	Magnitude of activity in chronic hepatitis C is influenced by apoptosis of T cells responsible for hepatitis C virus. Journal of Gastroenterology and Hepatology (Australia), 1999, 14, 1018-1024.	2.8	11
36	Physiology versus pathology in Parkinson's disease. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11867-11868.	7.1	11

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37	Mice with disrupted mitochondria used to model Parkinsonâ€™s disease. Nature, 2021, 599, 558-560.	27.8	11
38	Enhanced antitumor activity of a combination treatment with a mouse/human chimeric anti-MK-1 antibody and lymphokine-activated killer cells in vitro and in a severe combined immunodeficient mouse xenograft model. Cancer Immunology, Immunotherapy, 1999, 48, 165-171.	4.2	8
39	Potential of gene therapy for pediatric neurotransmitter diseases: Lessons from Parkinson's disease. Annals of Neurology, 2003, 54, S103-S109.	5.3	6
40	Loss of HIPK2 Protects Neurons from Mitochondrial Toxins by Regulating Parkin Protein Turnover. Journal of Neuroscience, 2020, 40, 557-568.	3.6	6
41	Mouse midbrain dopaminergic neurons survive loss of the PD-associated mitochondrial protein CHCHD2. Human Molecular Genetics, 2021, , .	2.9	5
42	An analysis of T cell antigen receptor variable Î² genes during the clinical course of patients with chronic hepatitis B. Journal of Gastroenterology and Hepatology (Australia), 2002, 14, 333-338.	2.8	4
43	Measuring ATP in Axons with FRET. Neuromethods, 2017, , 115-131.	0.3	3
44	PINK1-Based Screen Shines Light on Autophagy Enhancers for Parkinsonâ€™s Disease. Cell Chemical Biology, 2017, 24, 429-430.	5.2	3
45	A case of invasive amebiasis that developed multiple organ failure. Journal of the Japanese Society of Intensive Care Medicine, 2000, 7, 209-213.	0.0	2
46	Tracheal Compression Caused by a Hematoma After Redo Aortic Root Replacement. Annals of Thoracic Surgery, 2017, 104, e319-e320.	1.3	1
47	The PINK1 advantage: recycling mitochondria in times of trouble?. Autophagy, 2021, , 1-2.	9.1	1
48	Trophic factor delivery by gene therapy. , 0, , 532-547.		0
49	Endovascular Repair of an Abdominal Aortic Aneurysm with Iliac Vein Compression Syndrome. Annals of Thoracic and Cardiovascular Surgery, 2019, 25, 120-122.	0.8	0