

Tomohiro Nakamura

List of Publications by Year in descending order

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45
papers

6,194
citations

126907

33
h-index

233421

45
g-index

50
all docs

50
docs citations

50
times ranked

7747
citing authors

#	ARTICLE	IF	CITATIONS
1	S-Nitrosylation of Drp1 Mediates β -Amyloid-Related Mitochondrial Fission and Neuronal Injury. <i>Science</i> , 2009, 324, 102-105.	12.6	957
2	S-Nitrosylated protein-disulphide isomerase links protein misfolding to neurodegeneration. <i>Nature</i> , 2006, 441, 513-517.	27.8	825
3	β induces astrocytic glutamate release, extrasynaptic NMDA receptor activation, and synaptic loss. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2518-27.	7.1	495
4	Nitrosative stress linked to sporadic Parkinson's disease: S-nitrosylation of parkin regulates its E3 ubiquitin ligase activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 10810-10814.	7.1	494
5	Isogenic Human iPSC Parkinson's Model Shows Nitrosative Stress-Induced Dysfunction in MEF2-PGC1 β Transcription. <i>Cell</i> , 2013, 155, 1351-1364.	28.9	380
6	Aberrant Protein S-Nitrosylation in Neurodegenerative Diseases. <i>Neuron</i> , 2013, 78, 596-614.	8.1	304
7	Cell death: protein misfolding and neurodegenerative diseases. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 455-468.	4.9	167
8	S-Nitrosylation activates Cdk5 and contributes to synaptic spine loss induced by β -amyloid peptide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14330-14335.	7.1	165
9	Transnitrosylation of XIAP Regulates Caspase-Dependent Neuronal Cell Death. <i>Molecular Cell</i> , 2010, 39, 184-195.	9.7	162
10	On/off system for PI3-kinase/Akt signaling through S-nitrosylation of phosphatase with sequence homology to tensin (PTEN). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10349-10354.	7.1	150
11	Protein S-Nitrosylation as a Therapeutic Target for Neurodegenerative Diseases. <i>Trends in Pharmacological Sciences</i> , 2016, 37, 73-84.	8.7	136
12	Aberrant protein S-nitrosylation contributes to the pathophysiology of neurodegenerative diseases. <i>Neurobiology of Disease</i> , 2015, 84, 99-108.	4.4	133
13	Emerging Role of Protein-Protein Transnitrosylation in Cell Signaling Pathways. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 239-249.	5.4	125
14	S-Nitrosylation of Drp1 links excessive mitochondrial fission to neuronal injury in neurodegeneration. <i>Mitochondrion</i> , 2010, 10, 573-578.	3.4	120
15	Emerging Roles of S-Nitrosylation in Protein Misfolding and Neurodegenerative Diseases. <i>Antioxidants and Redox Signaling</i> , 2008, 10, 87-102.	5.4	106
16	S-Nitrosylation of PINK1 Attenuates PINK1/Parkin-Dependent Mitophagy in hiPSC-Based Parkinson's Disease Models. <i>Cell Reports</i> , 2017, 21, 2171-2182.	6.4	103
17	Hypoxia Enhances S-Nitrosylation-Mediated NMDA Receptor Inhibition via a Thiol Oxygen Sensor Motif. <i>Neuron</i> , 2007, 53, 53-64.	8.1	99
18	Elevated glucose and oligomeric β -amyloid disrupt synapses via a common pathway of aberrant protein S-nitrosylation. <i>Nature Communications</i> , 2016, 7, 10242.	12.8	99

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19	Redox regulation of protein misfolding, mitochondrial dysfunction, synaptic damage, and cell death in neurodegenerative diseases. <i>Experimental Neurology</i> , 2012, 238, 12-21.	4.1	91
20	Redox regulation of mitochondrial fission, protein misfolding, synaptic damage, and neuronal cell death: potential implications for Alzheimer's and Parkinson's diseases. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2010, 15, 1354-1363.	4.9	89
21	Transnitrosylation from DJ-1 to PTEN Attenuates Neuronal Cell Death in Parkinson's Disease Models. <i>Journal of Neuroscience</i> , 2014, 34, 15123-15131.	3.6	88
22	S-Nitrosylation of Critical Protein Thiols Mediates Protein Misfolding and Mitochondrial Dysfunction in Neurodegenerative Diseases. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 1479-1492.	5.4	83
23	Preventing Ca ²⁺ -mediated nitrosative stress in neurodegenerative diseases: Possible pharmacological strategies. <i>Cell Calcium</i> , 2010, 47, 190-197.	2.4	73
24	S-Nitrosylation of parkin as a novel regulator of p53-mediated neuronal cell death in sporadic Parkinson's disease. <i>Molecular Neurodegeneration</i> , 2013, 8, 29.	10.8	68
25	Regulation of the unfolded protein response via S-nitrosylation of sensors of endoplasmic reticulum stress. <i>Scientific Reports</i> , 2015, 5, 14812.	3.3	66
26	S-Nitrosylation-Mediated Redox Transcriptional Switch Modulates Neurogenesis and Neuronal Cell Death. <i>Cell Reports</i> , 2014, 8, 217-228.	6.4	58
27	Potential Effect of S-Nitrosylated Protein Disulfide Isomerase on Mutant SOD1 Aggregation and Neuronal Cell Death in Amyotrophic Lateral Sclerosis. <i>Molecular Neurobiology</i> , 2014, 49, 796-807.	4.0	51
28	•SNO•Storms Compromise Protein Activity and Mitochondrial Metabolism in Neurodegenerative Disorders. <i>Trends in Endocrinology and Metabolism</i> , 2017, 28, 879-892.	7.1	49
29	Pharmacologically targeted NMDA receptor antagonism by NitroMemantine for cerebrovascular disease. <i>Scientific Reports</i> , 2015, 5, 14781.	3.3	47
30	Noncanonical transnitrosylation network contributes to synapse loss in Alzheimer's disease. <i>Science</i> , 2021, 371, .	12.6	47
31	Protein S-nitrosylation and oxidation contribute to protein misfolding in neurodegeneration. <i>Free Radical Biology and Medicine</i> , 2021, 172, 562-577.	2.9	44
32	NitroSynapsin ameliorates hypersynchronous neural network activity in Alzheimer hiPSC models. <i>Molecular Psychiatry</i> , 2021, 26, 5751-5765.	7.9	43
33	Nitric Oxide-Dependent Protein Post-Translational Modifications Impair Mitochondrial Function and Metabolism to Contribute to Neurodegenerative Diseases. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 817-833.	5.4	36
34	Dysfunctional Mitochondrial Dynamics in the Pathophysiology of Neurodegenerative Diseases. <i>Journal of Cell Death</i> , 2013, 6, JCD.S10847.	0.8	28
35	S-nitrosylated TDP-43 triggers aggregation, cell-to-cell spread, and neurotoxicity in hiPSCs and in vivo models of ALS/FTD. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	28
36	S-Nitrosylation of p62 Inhibits Autophagic Flux to Promote •-Synuclein Secretion and Spread in Parkinson's Disease and Lewy Body Dementia. <i>Journal of Neuroscience</i> , 2022, 42, 3011-3024.	3.6	22

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37	Response to Comment on "S-Nitrosylation of Parkin Regulates Ubiquitination and Compromises Parkin's Protective Function". <i>Science</i> , 2005, 308, 1870c-1870c.	12.6	20
38	Protein Transnitrosylation Signaling Networks Contribute to Inflammaging and Neurodegenerative Disorders. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 531-550.	5.4	19
39	Contribution of glutamatergic signaling to nitrosative stress-induced protein misfolding in normal brain aging and neurodegenerative diseases. <i>Aging Cell</i> , 2007, 6, 351-359.	6.7	18
40	According to GOSPEL: Filling in the GAP(DH) of NO-Mediated Neurotoxicity. <i>Neuron</i> , 2009, 63, 3-6.	8.1	15
41	Nitrosative Stress in the Nervous System: Guidelines for Designing Experimental Strategies to Study Protein S-Nitrosylation. <i>Neurochemical Research</i> , 2016, 41, 510-514.	3.3	14
42	S-Nitrosylation of cathepsin B affects autophagic flux and accumulation of protein aggregates in neurodegenerative disorders. <i>Cell Death and Differentiation</i> , 2022, 29, 2137-2150.	11.2	12
43	NitroSynapsin for the treatment of neurological manifestations of tuberous sclerosis complex in a rodent model. <i>Neurobiology of Disease</i> , 2019, 127, 390-397.	4.4	8
44	TCA cycle metabolic compromise due to an aberrant S-nitrosoproteome in HIV-associated neurocognitive disorder with methamphetamine use. <i>Journal of NeuroVirology</i> , 2021, 27, 367-378.	2.1	6
45	Inhibition of autophagic flux by S-nitrosylation of SQSTM1/p62 promotes neuronal secretion and cell-to-cell transmission of SNCA/±-synuclein in Parkinson disease and Lewy body dementia. , 2022, 1, 223-225.		2