

Takashi Nonaka

List of Publications by Year in descending order

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Version: 2024-02-01

89
papers

10,194
citations

57681

46
h-index

49824

91
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105
all docs

105
docs citations

105
times ranked

10685
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a novel tau propagation mouse model endogenously expressing 3 and 4 repeat tau isoforms. <i>Brain</i> , 2022, 145, 349-361.	3.7	11
2	Phosphorylation of endogenous $\hat{1}\pm$ -synuclein induced by extracellular seeds initiates at the pre-synaptic region and spreads to the cell body. <i>Scientific Reports</i> , 2022, 12, 1163.	1.6	17
3	Casein kinase $1\hat{1}/\hat{1}\mu$ phosphorylates fused in sarcoma (FUS) and ameliorates FUS-mediated neurodegeneration. <i>Journal of Biological Chemistry</i> , 2022, 298, 102191.	1.6	1
4	Human tauopathy-derived tau strains determine the substrates recruited for templated amplification. <i>Brain</i> , 2021, 144, 2333-2348.	3.7	17
5	$\hat{1}\pm$ -Synuclein fibrils subvert lysosome structure and function for the propagation of protein misfolding between cells through tunneling nanotubes. <i>PLoS Biology</i> , 2021, 19, e3001287.	2.6	45
6	Prion-like properties of assembled TDP-43. <i>Current Opinion in Neurobiology</i> , 2020, 61, 23-28.	2.0	13
7	Intracellular dynamics of Ataxin-2 in the human brains with normal and frontotemporal lobar degeneration with TDP-43 inclusions. <i>Acta Neuropathologica Communications</i> , 2020, 8, 176.	2.4	14
8	Dextran sulphate-induced tau assemblies cause endogenous tau aggregation and propagation in wild-type mice. <i>Brain Communications</i> , 2020, 2, fcaa091.	1.5	6
9	$\hat{1}\pm$ -synuclein strains that cause distinct pathologies differentially inhibit proteasome. <i>ELife</i> , 2020, 9, .	2.8	45
10	Human NPCs can degrade $\hat{1}\pm$ -syn fibrils and transfer them preferentially in a cell contact-dependent manner possibly through TNT-like structures. <i>Neurobiology of Disease</i> , 2019, 132, 104609.	2.1	17
11	Parkinson's disease-associated <i>PLA2G6</i> regulates neuronal functions and $\hat{1}\pm$ -synuclein stability through membrane remodeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20689-20699.	3.3	67
12	Phosphorylated and aggregated TDP-43 with seeding properties are induced upon mutant Huntingtin (mHtt) polyglutamine expression in human cellular models. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 2615-2632.	2.4	19
13	The Wnt/Ca ²⁺ pathway is involved in interneuronal communication mediated by tunneling nanotubes. <i>EMBO Journal</i> , 2019, 38, e101230.	3.5	50
14	TDP-43 Prions. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2018, 8, a024463.	2.9	34
15	Molecular mechanisms of the co-deposition of multiple pathological proteins in neurodegenerative diseases. <i>Neuropathology</i> , 2018, 38, 64-71.	0.7	40
16	The effect of truncation on prion-like properties of $\hat{1}\pm$ -synuclein. <i>Journal of Biological Chemistry</i> , 2018, 293, 13910-13920.	1.6	63
17	C9ORF72 dipeptide repeat poly-GA inclusions promote intracellular aggregation of phosphorylated TDP-43. <i>Human Molecular Genetics</i> , 2018, 27, 2658-2670.	1.4	39
18	Prion-like mechanisms and potential therapeutic targets in neurodegenerative disorders. , 2017, 172, 22-33.		52

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19	Neuron-specific methylome analysis reveals epigenetic regulation and tau-related dysfunction of BRCA1 in Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9645-E9654.	3.3	72
20	TDP-43 stabilises the processing intermediates of mitochondrial transcripts. <i>Scientific Reports</i> , 2017, 7, 7709.	1.6	45
21	The Effect of Fragmented Pathogenic $\hat{\pm}$ -Synuclein Seeds on Prion-like Propagation. <i>Journal of Biological Chemistry</i> , 2016, 291, 18675-18688.	1.6	88
22	P4 ^{Q88} : <i>C9orf72</i> Dipeptide Repeat Proteins Cause Intracellular Aggregation of Phosphorylated TDP ⁴³ . <i>Alzheimer's and Dementia</i> , 2016, 12, P1046.	0.4	0
23	$\hat{\pm}$ -Synuclein Fibrils Exhibit Gain of Toxic Function, Promoting Tau Aggregation and Inhibiting Microtubule Assembly. <i>Journal of Biological Chemistry</i> , 2016, 291, 15046-15056.	1.6	67
24	Chorea as a clinical feature of the basophilic inclusion body disease subtype of fused-in-sarcoma-associated frontotemporal lobar degeneration. <i>Acta Neuropathologica Communications</i> , 2016, 4, 36.	2.4	9
25	Gain-of-function profilin 1 mutations linked to familial amyotrophic lateral sclerosis cause seed-dependent intracellular TDP-43 aggregation. <i>Human Molecular Genetics</i> , 2016, 25, 1420-1433.	1.4	54
26	Templated Aggregation of TAR DNA-binding Protein of 43 kDa (TDP-43) by Seeding with TDP-43 Peptide Fibrils. <i>Journal of Biological Chemistry</i> , 2016, 291, 8896-8907.	1.6	89
27	$\hat{\pm}$ -Synuclein: Experimental Pathology. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2016, 6, a024273.	2.9	26
28	Biochemical classification of tauopathies by immunoblot, protein sequence and mass spectrometric analyses of sarkosyl-insoluble and trypsin-resistant tau. <i>Acta Neuropathologica</i> , 2016, 131, 267-280.	3.9	167
29	Interplay between TDP-43 and docosahexaenoic acid-related processes in amyotrophic lateral sclerosis. <i>Neurobiology of Disease</i> , 2016, 88, 148-160.	2.1	27
30	Neurodegeneration in frontotemporal lobar degeneration and motor neurone disease associated with expansions in <i>C9orf72</i> is linked to TDP ⁴³ pathology and not associated with aggregated forms of dipeptide repeat proteins. <i>Neuropathology and Applied Neurobiology</i> , 2016, 42, 242-254.	1.8	61
31	Phosphorylation of TAR DNA-binding Protein of 43 kDa (TDP-43) by Truncated Casein Kinase 1 γ Triggers Mislocalization and Accumulation of TDP-43. <i>Journal of Biological Chemistry</i> , 2016, 291, 5473-5483.	1.6	97
32	Inositol Hexakisphosphate Kinase 2 Promotes Cell Death in Cells with Cytoplasmic TDP-43 Aggregation. <i>Molecular Neurobiology</i> , 2016, 53, 5377-5383.	1.9	14
33	Extracellular association of APP and tau fibrils induces intracellular aggregate formation of tau. <i>Acta Neuropathologica</i> , 2015, 129, 895-907.	3.9	65
34	Differential diagnosis of amyotrophic lateral sclerosis from Guillain-Barré syndrome by quantitative determination of TDP-43 in cerebrospinal fluid. <i>International Journal of Neuroscience</i> , 2014, 124, 344-349.	0.8	26
35	Distinct pathways leading to TDP-43-induced cellular dysfunctions. <i>Human Molecular Genetics</i> , 2014, 23, 4345-4356.	1.4	30
36	Pathological alpha-synuclein propagates through neural networks. <i>Acta Neuropathologica Communications</i> , 2014, 2, 88.	2.4	203

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37	P4-019: PHOSPHORYLATION OF TDP-43 BY CASEIN KINASE 1 DELTA FACILITATES MISLOCALIZATION AND INTRACELLULAR AGGREGATE FORMATION OF TDP-43. , 2014, 10, P790-P790.		4
38	Prion-like Properties of Pathological TDP-43 Aggregates from Diseased Brains. <i>Cell Reports</i> , 2013, 4, 124-134.	2.9	418
39	Extensive deamidation at asparagine residue 279 accounts for weak immunoreactivity of tau with RD4 antibody in Alzheimer's disease brain. <i>Acta Neuropathologica Communications</i> , 2013, 1, 54.	2.4	61
40	Prion-like spreading of pathological β -synuclein in brain. <i>Brain</i> , 2013, 136, 1128-1138.	3.7	691
41	Analyses of the MAPT, PGRN, and C9orf72 mutations in Japanese patients with FTL, PSP, and CBS. <i>Parkinsonism and Related Disorders</i> , 2013, 19, 15-20.	1.1	77
42	Reducing TDP-43 aggregation does not prevent its cytotoxicity. <i>Acta Neuropathologica Communications</i> , 2013, 1, 49.	2.4	20
43	Response to Comment on "Drug Screening for ALS Using Patient-Specific Induced Pluripotent Stem Cells". <i>Science Translational Medicine</i> , 2013, 5, 188lr2.	5.8	5
44	Kinase Inhibitor Screening Identifies Cyclin-Dependent Kinases and Glycogen Synthase Kinase 3 as Potential Modulators of TDP-43 Cytosolic Accumulation during Cell Stress. <i>PLoS ONE</i> , 2013, 8, e67433.	1.1	50
45	Molecular analysis and biochemical classification of TDP-43 proteinopathy. <i>Brain</i> , 2012, 135, 3380-3391.	3.7	95
46	Prolonged nitric oxide treatment induces tau aggregation in SH-SY5Y cells. <i>Neuroscience Letters</i> , 2012, 510, 48-52.	1.0	11
47	Epitope mapping of antibodies against TDP-43 and detection of protease-resistant fragments of pathological TDP-43 in amyotrophic lateral sclerosis and frontotemporal lobar degeneration. <i>Biochemical and Biophysical Research Communications</i> , 2012, 417, 116-121.	1.0	27
48	Inhibition of TDP-43 Accumulation by Bis(thiosemicarbazonato)-Copper Complexes. <i>PLoS ONE</i> , 2012, 7, e42277.	1.1	44
49	Drug Screening for ALS Using Patient-Specific Induced Pluripotent Stem Cells. <i>Science Translational Medicine</i> , 2012, 4, 145ra104.	5.8	465
50	Methylene Blue Reduced Abnormal Tau Accumulation in P301L Tau Transgenic Mice. <i>PLoS ONE</i> , 2012, 7, e52389.	1.1	79
51	Molecular Dissection of TDP-43 Proteinopathies. <i>Journal of Molecular Neuroscience</i> , 2011, 45, 480-485.	1.1	49
52	C-Jun N-terminal kinase controls TDP-43 accumulation in stress granules induced by oxidative stress. <i>Molecular Neurodegeneration</i> , 2011, 6, 57.	4.4	103
53	In vitro recapitulation of aberrant protein inclusions in neurodegenerative diseases. <i>Communicative and Integrative Biology</i> , 2011, 4, 501-502.	0.6	1
54	In vitro recapitulation of aberrant protein inclusions in neurodegenerative diseases: New cellular models of neurodegenerative diseases. <i>Communicative and Integrative Biology</i> , 2011, 4, 501-2.	0.6	1

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55	Characterization of Inhibitor-Bound α -Synuclein Dimer: Role of α -Synuclein N-Terminal Region in Dimerization and Inhibitor Binding. <i>Journal of Molecular Biology</i> , 2010, 395, 445-456.	2.0	22
56	Seeded Aggregation and Toxicity of α -Synuclein and Tau. <i>Journal of Biological Chemistry</i> , 2010, 285, 34885-34898.	1.6	288
57	Truncation and pathogenic mutations facilitate the formation of intracellular aggregates of TDP-43. <i>Human Molecular Genetics</i> , 2009, 18, 3353-3364.	1.4	253
58	Conversion of Wild-type α -Synuclein into Mutant-type Fibrils and Its Propagation in the Presence of A30P Mutant. <i>Journal of Biological Chemistry</i> , 2009, 284, 7940-7950.	1.6	94
59	Phosphorylated and ubiquitinated TDP α 43 pathological inclusions in ALS and FTLD α are recapitulated in SH α SY5Y cells. <i>FEBS Letters</i> , 2009, 583, 394-400.	1.3	107
60	Inhibition of α -Synuclein fibril assembly by small molecules: Analysis using epitope α -specific antibodies. <i>FEBS Letters</i> , 2009, 583, 787-791.	1.3	39
61	Methylene blue and dimebon inhibit aggregation of TDP α 43 in cellular models. <i>FEBS Letters</i> , 2009, 583, 2419-2424.	1.3	102
62	A Cellular Model To Monitor Proteasome Dysfunction by α -Synuclein. <i>Biochemistry</i> , 2009, 48, 8014-8022.	1.2	49
63	Identification of casein kinase-1 phosphorylation sites on TDP-43. <i>Biochemical and Biophysical Research Communications</i> , 2009, 382, 405-409.	1.0	99
64	Phosphorylated TDP α 43 in frontotemporal lobar degeneration and amyotrophic lateral sclerosis. <i>Annals of Neurology</i> , 2008, 64, 60-70.	2.8	630
65	Abnormal phosphorylation of Ser409/410 of TDP α 43 in FTLD α and ALS. <i>FEBS Letters</i> , 2008, 582, 2899-2904.	1.3	170
66	TDP-43 is deposited in the Guam parkinsonism-dementia complex brains. <i>Brain</i> , 2007, 130, 1386-1394.	3.7	210
67	Casein kinase 2 is the major enzyme in brain that phosphorylates Ser129 of human α -synuclein: Implication for α -synucleinopathies. <i>FEBS Letters</i> , 2007, 581, 4711-4717.	1.3	84
68	Small Molecule Inhibitors of α -Synuclein Filament Assembly α . <i>Biochemistry</i> , 2006, 45, 6085-6094.	1.2	348
69	Cysteine misincorporation in bacterially expressed human α -synuclein. <i>FEBS Letters</i> , 2006, 580, 1775-1779.	1.3	74
70	TDP-43 is a component of ubiquitin-positive tau-negative inclusions in frontotemporal lobar degeneration and amyotrophic lateral sclerosis. <i>Biochemical and Biophysical Research Communications</i> , 2006, 351, 602-611.	1.0	2,248
71	Assembly of the Type III Secretion Apparatus of Enteropathogenic <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2006, 188, 2801-2811.	1.0	58
72	BopC Is a Novel Type III Effector Secreted by <i>Bordetella bronchiseptica</i> and Has a Critical Role in Type III-dependent Necrotic Cell Death. <i>Journal of Biological Chemistry</i> , 2006, 281, 6589-6600.	1.6	53

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73	Cleavage at the Carboxyl-Terminus of Ku80 during Apoptosis in Human Jurkat T Cells. <i>Journal of Biochemistry</i> , 2005, 137, 685-692.	0.9	4
74	Cleavage of Nonmuscle Myosin Heavy Chain-A during Apoptosis in Human Jurkat T Cells. <i>Journal of Biochemistry</i> , 2005, 137, 157-166.	0.9	19
75	Ubiquitination of τ -Synuclein. <i>Biochemistry</i> , 2005, 44, 361-368.	1.2	122
76	Identification of amino-terminally cleaved tau fragments that distinguish progressive supranuclear palsy from corticobasal degeneration. <i>Annals of Neurology</i> , 2004, 55, 72-79.	2.8	170
77	Frontotemporal dementia with Pick-type histology associated with Q336R mutation in the tau gene. <i>Brain</i> , 2004, 127, 1415-1426.	3.7	87
78	Neuronal and glial inclusions in frontotemporal dementia with or without motor neuron disease are immunopositive for p62. <i>Neuroscience Letters</i> , 2003, 342, 41-44.	1.0	81
79	Shigella-induced necrosis and apoptosis of U937 cells and J774 macrophages. <i>Microbiology (United Kingdom)</i> 157: 1078-1088. doi:10.1099/mic/0/015707-0	0.7	38
80	Monitoring of Caspase-8/FLICE Processing and Activation upon Fas Stimulation with Novel Antibodies Directed against a Cleavage Site for Caspase-8 and Its Substrate, FLICE-Like Inhibitory Protein (FLIP). <i>Journal of Biochemistry</i> , 2002, 132, 53-62.	0.9	14
81	Phosphorylated τ -Synuclein Is Ubiquitinated in τ -Synucleinopathy Lesions. <i>Journal of Biological Chemistry</i> , 2002, 277, 49071-49076.	1.6	365
82	Characterization of mineral deposits formed in cultures of a hamster tartrate-resistant acid phosphatase (TRAP) and alkaline phosphatase (ALP) double-positive cell line (CCP). <i>Cell and Tissue Research</i> , 2002, 309, 269-279.	1.5	3
83	Enolase, a Cellular Glycolytic Enzyme, Is Required for Efficient Transcription of Sendai Virus Genome. <i>Biochemical and Biophysical Research Communications</i> , 2001, 285, 447-455.	1.0	35
84	Establishment and characterization of tartrate-resistant acid phosphatase and alkaline phosphatase double positive cell lines. <i>Cell and Tissue Research</i> , 2001, 304, 351-359.	1.5	6
85	Structure of a new 'aspzincin' metalloendopeptidase from <i>Grifola frondosa</i> : implications for the catalytic mechanism and substrate specificity based on several different crystal forms. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 361-368.	2.5	36
86	Shigella Protein IpaH9.8 Is Secreted from Bacteria within Mammalian Cells and Transported to the Nucleus. <i>Journal of Biological Chemistry</i> , 2001, 276, 32071-32079.	1.6	72
87	Supramolecular structure of the Shigella type III secretion machinery: the needle part is changeable in length and essential for delivery of effectors. <i>EMBO Journal</i> , 2000, 19, 3876-3887.	3.5	224
88	Shigella flexneri YSH6000 induces two types of cell death, apoptosis and oncosis, in the differentiated human monoblastic cell line U937. <i>FEMS Microbiology Letters</i> , 1999, 174, 89-95.	0.7	25
89	Amino Acid Sequences of Metalloendopeptidases Specific for Acyl-Lysine Bonds from <i>Grifola frondosa</i> and <i>Pleurotus ostreatus</i> Fruiting Bodies. <i>Journal of Biological Chemistry</i> , 1997, 272, 30032-30039.	1.6	52