Jiou Wang

List of Publications by Year in descending order

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44 papers	4,881 citations	201385 27 h-index	276539 41 g-index
46 all docs	46 docs citations	46 times ranked	6014 citing authors

#	Article	IF	Citations
1	MARK2 phosphorylates eIF2Î± in response to proteotoxic stress. PLoS Biology, 2021, 19, e3001096.	2.6	22
2	C9orf72 regulates energy homeostasis by stabilizing mitochondrial complex I assembly. Cell Metabolism, 2021, 33, 531-546.e9.	7.2	70
3	G-Quadruplexes as pathogenic drivers in neurodegenerative disorders. Nucleic Acids Research, 2021, 49, 4816-4830.	6.5	76
4	A Helicase Unwinds Hexanucleotide Repeat RNA G-Quadruplexes and Facilitates Repeat-Associated Non-AUG Translation. Journal of the American Chemical Society, 2021, 143, 7368-7379.	6.6	43
5	Fast genetic mapping using insertion-deletion polymorphisms in Caenorhabditis elegans. Scientific Reports, 2021, 11, 11017.	1.6	4
6	NDST3 deacetylates Î±â€tubulin and suppresses Vâ€ATPase assembly and lysosomal acidification. EMBO Journal, 2021, 40, e107204.	3.5	11
7	Thermotolerance of tax-2 Is Uncoupled From Life Span Extension and Influenced by Temperature During Development in C. elegans. Frontiers in Genetics, 2020, 11, 566948.	1.1	1
8	USP7 regulates ALS-associated proteotoxicity and quality control through the NEDD4Lâ€“SMAD pathway. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28114-28125.	3.3	21
9	G-quadruplexes offer a conserved structural motif for NONO recruitment to NEAT1 architectural lncRNA. Nucleic Acids Research, 2020, 48, 7421-7438.	6.5	39
10	C9orf72/ALFA-1 controls TFEB/HLH-30-dependent metabolism through dynamic regulation ofÂRag GTPases. PLoS Genetics, 2020, 16, e1008738.	1.5	18
11	Identification of a novel gene argJ involved in arginine biosynthesis critical for persister formation in Staphylococcus aureus. Discovery Medicine, 2020, 29, 65-77.	0.5	0
12	Identification of Genes Regulating Cell Death in Staphylococcus aureus. Frontiers in Microbiology, 2019, 10, 2199.	1.5	7
13	L3MBTL1 regulates ALS/FTD-associated proteotoxicity and quality control. Nature Neuroscience, 2019, 22, 875-886.	7.1	10
14	C9orf72-dependent lysosomal functions regulate epigenetic control of autophagy and lipid metabolism. Autophagy, 2019, 15, 913-914.	4.3	21
15	Autophagy as a common pathway in amyotrophic lateral sclerosis. Neuroscience Letters, 2019, 697, 34-48.	1.0	80
16	Heterochronic Phenotype Analysis of Hypodermal Seam Cells in Caenorhabditis elegans. Bio-protocol, 2019, 9, .	0.2	0
17	Infection with persister forms of Staphylococcus aureus causes a persistent skin infection with more severe lesions in mice: failure to clear the infection by the current standard of care treatment. Discovery Medicine, 2019, 28, 7-16.	0.5	6
18	FUS Regulates Activity of MicroRNA-Mediated Gene Silencing. Molecular Cell, 2018, 69, 787-801.e8.	4.5	76

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19	A zebrafish model for C9orf72 ALS reveals RNA toxicity as a pathogenic mechanism. Acta Neuropathologica, 2018, 135, 427-443.	3.9	98
20	Ubiquilin 2 modulates ALS/FTD-linked FUSâ€“RNA complex dynamics and stress granule formation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11485-E11494.	3.3	100
21	A C9orf72â€“CARM1 axis regulates lipid metabolism under glucose starvation-induced nutrient stress. Genes and Development, 2018, 32, 1380-1397.	2.7	49
22	Systemic deregulation of autophagy upon loss of ALS- and FTD-linked C9orf72. Autophagy, 2017, 13, 1254-1255.	4.3	32
23	Cell-type specific differences in promoter activity of the ALS-linked C9orf72 mouse ortholog. Scientific Reports, 2017, 7, 5685.	1.6	9
24	Nuclear export of misfolded SOD1 mediated by a normally buried NES-like sequence reduces proteotoxicity in the nucleus. ELife, 2017, 6, .	2.8	32
25	Effect of mutation mechanisms on variant composition and distribution in Caenorhabditis elegans. PLoS Computational Biology, 2017, 13, e1005369.	1.5	5
26	Loss of C9orf72 Enhances Autophagic Activity via Deregulated mTOR and TFEB Signaling. PLoS Genetics, 2016, 12, e1006443.	1.5	154
27	Emerging role of RNAâ€¢DNA hybrids in C9orf72-linked neurodegeneration. Cell Cycle, 2015, 14, 526-532.	1.3	26
28	Regulation of Protein Quality Control by UBE4B and LSD1 through p53-Mediated Transcription. PLoS Biology, 2015, 13, e1002114.	2.6	38
29	Loss of RAD-23 Protects Against Models of Motor Neuron Disease by Enhancing Mutant Protein Clearance. Journal of Neuroscience, 2015, 35, 14286-14306.	1.7	23
30	The C9orf72 repeat expansion disrupts nucleocytoplasmic transport. Nature, 2015, 525, 56-61.	13.7	835
31	RNA-Processing Protein TDP-43 Regulates FOXO-Dependent Protein Quality Control in Stress Response. PLoS Genetics, 2014, 10, e1004693.	1.5	40
32	C9orf72 nucleotide repeat structures initiate molecular cascades of disease. Nature, 2014, 507, 195-200.	13.7	779
33	RNA Toxicity from the ALS/FTD C9ORF72 Expansion Is Mitigated by Antisense Intervention. Neuron, 2013, 80, 415-428.	3.8	785
34	Caenorhabditis elegans RNA-processing Protein TDP-1 Regulates Protein Homeostasis and Life Span. Journal of Biological Chemistry, 2012, 287, 8371-8382.	1.6	58
35	TDP-43 neurotoxicity and protein aggregation modulated by heat shock factor and insulin/IGF-1 signaling. Human Molecular Genetics, 2011, 20, 1952-1965.	1.4	104
36	Progressive aggregation despite chaperone associations of a mutant SOD1-YFP in transgenic mice that develop ALS. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1392-1397.	3.3	128

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37	An ALS-Linked Mutant SOD1 Produces a Locomotor Defect Associated with Aggregation and Synaptic Dysfunction When Expressed in Neurons of Caenorhabditis elegans. PLoS Genetics, 2009, 5, e1000350.	1.5	175
38	Differential regulation of small heat shock proteins in transgenic mouse models of neurodegenerative diseases. Neurobiology of Aging, 2008, 29, 586-597.	1.5	44
39	Mapping superoxide dismutase 1 domains of non-native interaction: roles of intra- and intermolecular disulfide bonding in aggregation. Journal of Neurochemistry, 2006, 96, 1277-1288.	2.1	76
40	Coincident thresholds of mutant protein for paralytic disease and protein aggregation caused by restrictively expressed superoxide dismutase cDNA. Neurobiology of Disease, 2005, 20, 943-952.	2.1	95
41	Transgenic mouse models of neurodegenerative disease. , 2004, , 533-557.		0
42	Copper-binding-site-null SOD1 causes ALS in transgenic mice: aggregates of non-native SOD1 delineate a common feature. Human Molecular Genetics, 2003, 12, 2753-2764.	1.4	279
43	High Molecular Weight Complexes of Mutant Superoxide Dismutase 1: Age-Dependent and Tissue-Specific Accumulation. Neurobiology of Disease, 2002, 9, 139-148.	2.1	189
44	Fibrillar Inclusions and Motor Neuron Degeneration in Transgenic Mice Expressing Superoxide Dismutase 1 with a Disrupted Copper-Binding Site. Neurobiology of Disease, 2002, 10, 128-138.	2.1	223