

# Wang-Xia Wang

## List of Publications by Year in descending order

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57  
papers

10,548  
citations

134610

34  
h-index

169272

56  
g-index

63  
all docs

63  
docs citations

63  
times ranked

15676  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant responses to drought, salinity and extreme temperatures: towards genetic engineering for stress tolerance. <i>Planta</i> , 2003, 218, 1-14.	1.6	2,937
2	Role of plant heat-shock proteins and molecular chaperones in the abiotic stress response. <i>Trends in Plant Science</i> , 2004, 9, 244-252.	4.3	2,358
3	The Expression of MicroRNA miR-107 Decreases Early in Alzheimer's Disease and May Accelerate Disease Progression through Regulation of $\beta$ -Site Amyloid Precursor Protein-Cleaving Enzyme 1. <i>Journal of Neuroscience</i> , 2008, 28, 1213-1223.	1.7	745
4	The miR-15/107 Group of MicroRNA Genes: Evolutionary Biology, Cellular Functions, and Roles in Human Diseases. <i>Journal of Molecular Biology</i> , 2010, 402, 491-509.	2.0	337
5	MicroRNAs (miRNAs) in Neurodegenerative Diseases. <i>Brain Pathology</i> , 2008, 18, 130-138.	2.1	319
6	Energizing miRNA research: A review of the role of miRNAs in lipid metabolism, with a prediction that miR-103/107 regulates human metabolic pathways. <i>Molecular Genetics and Metabolism</i> , 2007, 91, 209-217.	0.5	302
7	Patterns of microRNA expression in normal and early Alzheimer's disease human temporal cortex: white matter versus gray matter. <i>Acta Neuropathologica</i> , 2011, 121, 193-205.	3.9	299
8	Loss of ferroportin induces memory impairment by promoting ferroptosis in Alzheimer's disease. <i>Cell Death and Differentiation</i> , 2021, 28, 1548-1562.	5.0	275
9	Receptor-Specific Signaling for Both the Alternative and the Canonical NF- $\kappa$ B Activation Pathways by NF- $\kappa$ B-Inducing Kinase. <i>Immunity</i> , 2004, 21, 477-489.	6.6	221
10	Differential and dynamic regulation of miR398 in response to ABA and salt stress in <i>Populus tremula</i> and <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 2009, 71, 51-59.	2.0	211
11	MiR-107 is Reduced in Alzheimer's Disease Brain Neocortex: Validation Study. <i>Journal of Alzheimer's Disease</i> , 2010, 21, 75-79.	1.2	191
12	miR-107 Regulates Granulin/Progranulin with Implications for Traumatic Brain Injury and Neurodegenerative Disease. <i>American Journal of Pathology</i> , 2010, 177, 334-345.	1.9	175
13	Hippocampal sclerosis of aging, a prevalent and high-morbidity brain disease. <i>Acta Neuropathologica</i> , 2013, 126, 161-177.	3.9	156
14	"New Old Pathologies" AD, PART, and Cerebral Age-Related TDP-43 With Sclerosis (CARTS). <i>Journal of Neuropathology and Experimental Neurology</i> , 2016, 75, 482-498.	0.9	130
15	Mitochondria-associated microRNAs in rat hippocampus following traumatic brain injury. <i>Experimental Neurology</i> , 2015, 265, 84-93.	2.0	127
16	Differential accumulation of water stress-related proteins, sucrose synthase and soluble sugars in <i>Populus</i> species that differ in their water stress response. <i>Physiologia Plantarum</i> , 1997, 99, 153-159.	2.6	115
17	A Study of Small RNAs from Cerebral Neocortex of Pathology-Verified Alzheimer's Disease, Dementia with Lewy Bodies, Hippocampal Sclerosis, Frontotemporal Lobar Dementia, and Non-Demented Human Controls. <i>Journal of Alzheimer's Disease</i> , 2013, 35, 335-348.	1.2	110
18	Alzheimer's disease and type 2 diabetes mellitus are distinct diseases with potential overlapping metabolic dysfunction upstream of observed cognitive decline. <i>Brain Pathology</i> , 2019, 29, 3-17.	2.1	110

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19	miR-27a and miR-27b regulate autophagic clearance of damaged mitochondria by targeting PTEN-induced putative kinase 1 (PINK1). <i>Molecular Neurodegeneration</i> , 2016, 11, 55.	4.4	106
20	A simple array platform for microRNA analysis and its application in mouse tissues. <i>Rna</i> , 2007, 13, 1803-1822.	1.6	101
21	Anti-Argonaute RIP-Chip shows that miRNA transfections alter global patterns of mRNA recruitment to microribonucleoprotein complexes. <i>Rna</i> , 2010, 16, 394-404.	1.6	91
22	Characterization of SP1, a Stress-Responsive, Boiling-Soluble, Homo-Oligomeric Protein from Aspen. <i>Plant Physiology</i> , 2002, 130, 865-875.	2.3	85
23	Technical variables in high-throughput miRNA expression profiling: Much work remains to be done. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2008, 1779, 758-765.	0.9	85
24	Transgenic <i>Populus tremula</i> : a step-by-step protocol for its <i>Agrobacterium</i> -mediated transformation. <i>Plant Molecular Biology Reporter</i> , 1997, 15, 219-235.	1.0	75
25	The Structural Basis of the Thermostability of SP1, a Novel Plant ( <i>Populus tremula</i> ) Boiling Stable Protein. <i>Journal of Biological Chemistry</i> , 2004, 279, 51516-51523.	1.6	73
26	ABCC9 gene polymorphism is associated with hippocampal sclerosis of aging pathology. <i>Acta Neuropathologica</i> , 2014, 127, 825-843.	3.9	70
27	Focus on RNA isolation: Obtaining RNA for microRNA (miRNA) expression profiling analyses of neural tissue. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2008, 1779, 749-757.	0.9	65
28	ABCC9/SUR2 in the brain: Implications for hippocampal sclerosis of aging and a potential therapeutic target. <i>Ageing Research Reviews</i> , 2015, 24, 111-125.	5.0	60
29	Individual microRNAs (miRNAs) display distinct mRNA targeting â€œrulesâ€. <i>RNA Biology</i> , 2010, 7, 373-380.	1.5	55
30	Expression of miR-15/107 Family MicroRNAs in Human Tissues and Cultured Rat Brain Cells. <i>Genomics, Proteomics and Bioinformatics</i> , 2014, 12, 19-30.	3.0	55
31	Dysregulation of the Mitogen Granulin in Human Cancer through the miR-15/107 microRNA Gene Group. <i>Cancer Research</i> , 2010, 70, 9137-9142.	0.4	50
32	Reassessment of Risk Genotypes (<i>GRN</i>, <i>TMEM106B</i>, and <i>ABCC9</i> Variants) Associated With Hippocampal Sclerosis of Aging Pathology. <i>Journal of Neuropathology and Experimental Neurology</i> , 2015, 74, 75-84.	0.9	50
33	Specific sequence determinants of miR-15/107 microRNA gene group targets. <i>Nucleic Acids Research</i> , 2011, 39, 8163-8172.	6.5	49
34	Aspen SP1, an exceptional thermal, protease and detergent-resistant self-assembled nano-particle. <i>Biotechnology and Bioengineering</i> , 2006, 95, 161-168.	1.7	36
35	Genomics and CSF analyses implicate thyroid hormone in hippocampal sclerosis of aging. <i>Acta Neuropathologica</i> , 2016, 132, 841-858.	3.9	28
36	TDP-43 proteinopathy in aging: Associations with risk-associated gene variants and with brain parenchymal thyroid hormone levels. <i>Neurobiology of Disease</i> , 2019, 125, 67-76.	2.1	25

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37	MicroRNA expression patterns in human anterior cingulate and motor cortex: A study of dementia with Lewy bodies cases and controls. <i>Brain Research</i> , 2018, 1678, 374-383.	1.1	23
38	Detergent Insoluble Proteins and Inclusion Body-Like Structures Immunoreactive for PRKDC/DNA-PK/DNA-PKcs, FTL, NNT, and AIFM1 in the Amygdala of Cognitively Impaired Elderly Persons. <i>Journal of Neuropathology and Experimental Neurology</i> , 2018, 77, 21-39.	0.9	21
39	High-throughput experimental studies to identify miRNA targets directly, with special focus on the mammalian brain. <i>Brain Research</i> , 2010, 1338, 122-130.	1.1	20
40	Temporal changes in inflammatory mitochondria-enriched microRNAs following traumatic brain injury and effects of miR-146a nanoparticle delivery. <i>Neural Regeneration Research</i> , 2021, 16, 514.	1.6	20
41	Mitochondria and microRNA crosstalk in traumatic brain injury. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017, 73, 104-108.	2.5	19
42	Alzheimer Disease Pathology-Associated Polymorphism in a Complex Variable Number of Tandem Repeat Region Within the MUC6 Gene, Near the AP2A2 Gene. <i>Journal of Neuropathology and Experimental Neurology</i> , 2020, 79, 3-21.	0.9	19
43	The Mitochondria-Associated ER Membranes Are Novel Subcellular Locations Enriched for Inflammatory-Responsive MicroRNAs. <i>Molecular Neurobiology</i> , 2020, 57, 2996-3013.	1.9	19
44	Novel human <i>ABCC9/SUR2</i> brain-expressed transcripts and an eQTL relevant to hippocampal sclerosis of aging. <i>Journal of Neurochemistry</i> , 2015, 134, 1026-1039.	2.1	18
45	Role of mitochondria in regulating microRNA activity and its relevance to the central nervous system. <i>Neural Regeneration Research</i> , 2015, 10, 1026.	1.6	17
46	A Customized Quantitative PCR MicroRNA Panel Provides a Technically Robust Context for Studying Neurodegenerative Disease Biomarkers and Indicates a High Correlation Between Cerebrospinal Fluid and Choroid Plexus MicroRNA Expression. <i>Molecular Neurobiology</i> , 2017, 54, 8191-8202.	1.9	16
47	Crystallization and preliminary X-ray crystallographic analysis of SP1, a novel chaperone-like protein. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003, 59, 512-514.	2.5	13
48	MicroRNAs as Biomarkers for Predicting Complications following Aneurysmal Subarachnoid Hemorrhage. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9492.	1.8	11
49	Enforced lysosomal biogenesis rescues erythromycin- and clindamycin-induced mitochondria-mediated cell death in human cells. <i>Molecular and Cellular Biochemistry</i> , 2019, 461, 23-36.	1.4	10
50	Modulating Thyroid Hormone Levels in Adult Mice: Impact on Behavior and Compensatory Brain Changes. <i>Journal of Thyroid Research</i> , 2021, 2021, 1-13.	0.5	9
51	Differential accumulation of water stress-related proteins, sucrose synthase and soluble sugars in <i>Populus</i> species that differ in their water stress response. <i>Physiologia Plantarum</i> , 1997, 99, 153-159.	2.6	7
52	A Highly Predictive MicroRNA Panel for Determining Delayed Cerebral Vasospasm Risk Following Aneurysmal Subarachnoid Hemorrhage. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 657258.	1.6	7
53	Apolipoprotein E Proteinopathy Is a Major Dementia-Associated Pathologic Biomarker in Individuals with or without the APOE Epsilon 4 Allele. <i>American Journal of Pathology</i> , 2022, 192, 564-578.	1.9	6
54	Methodology for Subcellular Fractionation and MicroRNA Examination of Mitochondria, Mitochondria Associated ER Membrane (MAM), ER, and Cytosol from Human Brain. <i>Methods in Molecular Biology</i> , 2020, 2063, 139-154.	0.4	5

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55	Sex-Specific Alterations in Inflammatory MicroRNAs in Mouse Brain and Bone Marrow CD11b+ Cells Following Traumatic Brain Injury. <i>Cellular and Molecular Neurobiology</i> , 2023, 43, 423-429.	1.7	4
56	Differential and dynamic regulation of miR398 in response to ABA and salt stress in <i>Populus tremula</i> and <i>Arabidopsis thaliana</i> . , 2009, 71, 51.		1
57	Micromanaging Memory. <i>Biological Psychiatry</i> , 2018, 83, 390-392.	0.7	0