Guang-Hui Wang

List of Publications by Year
in descending order

116	12,976	66343 42	23533 111
papers	citations	h-index	g-index

119	119	119	25932
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Inhibition of the PINK1-Parkin Pathway Enhances the Lethality of Sorafenib and Regorafenib in Hepatocellular Carcinoma. Frontiers in Pharmacology, 2022, 13, 851832.	3.5	5
2	RRx-001 Exerts Neuroprotection Against LPS-Induced Microglia Activation and Neuroinflammation Through Disturbing the TLR4 Pathway. Frontiers in Pharmacology, 2022, 13, 889383.	3.5	11
3	Statistics and network-based approaches to identify molecular mechanisms that drive the progression of breast cancer. Computers in Biology and Medicine, 2022, 145, 105508.	7.0	24
4	Editorial: Role of Glial Cells of the Central and Peripheral Nervous System in the Pathogenesis of Neurodegenerative Disorders. Frontiers in Aging Neuroscience, 2022, 14, .	3.4	1
5	Nuclear miR-30b-5p suppresses TFEB-mediated lysosomal biogenesis and autophagy. Cell Death and Differentiation, 2021, 28, 320-336.	11.2	38
6	A Novel Modulator of STIM2-Dependent Store-Operated Ca2+ Channel Activity. Acta Naturae, 2021, 13, 140-146.	1.7	2
7	Microglial MT1 activation inhibits LPSâ€induced neuroinflammation via regulation of metabolic reprogramming. Aging Cell, 2021, 20, e13375.	6.7	44
8	The Cross-Links of Endoplasmic Reticulum Stress, Autophagy, and Neurodegeneration in Parkinsonâ€™s Disease. Frontiers in Aging Neuroscience, 2021, 13, 691881.	3.4	45
9	DJ-1 inhibits microglial activation and protects dopaminergic neurons in vitro and in vivo through interacting with microglial p65. Cell Death and Disease, 2021, 12, 715.	6.3	19
10	miR-34a-5p regulates PINK1-mediated mitophagy via multiple modes. Life Sciences, 2021, 276, 119415.	4.3	13
11	DJâ€1 regulates tyrosine hydroxylase expression through CaMKKÎ²/CaMKIV/CREB1 pathway in vitro and in vivo. Journal of Cellular Physiology, 2020, 235, 869-879.	4.1	13
12	Autophagy and Ubiquitin-Proteasome System Coordinate to Regulate the Protein Quality Control of Neurodegenerative Disease-Associated DCTN1. Neurotoxicity Research, 2020, 37, 48-57.	2.7	13
13	Oxidation of multiple MiT/TFE transcription factors links oxidative stress to transcriptional control of autophagy and lysosome biogenesis. Autophagy, 2020, 16, 1683-1696.	9.1	65
14	Imbalance of Lysine Acetylation Contributes to the Pathogenesis of Parkinsonâ€™s Disease. International Journal of Molecular Sciences, 2020, 21, 7182.	4.1	21
15	Î±-Synuclein aggregation and transmission in Parkinsonâ€™s disease: a link to mitochondria and lysosome. Science China Life Sciences, 2020, 63, 1850-1859.	4.9	16
16	Dependence of PINK1 accumulation on mitochondrial redox system. Aging Cell, 2020, 19, e13211.	6.7	23
17	Role of the C9ORF72 Gene in the Pathogenesis of Amyotrophic Lateral Sclerosis and Frontotemporal Dementia. Neuroscience Bulletin, 2020, 36, 1057-1070.	2.9	4
18	C9orf72 associates with inactive Rag GTPases and regulates mTORC1â€mediated autophagosomal and lysosomal biogenesis. Aging Cell, 2020, 19, e13126.	6.7	34

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19	Autophagy and Prion Disease. Advances in Experimental Medicine and Biology, 2020, 1207, 75-85.	1.6	2
20	Autophagy and Lysosome Storage Disorders. Advances in Experimental Medicine and Biology, 2020, 1207, 87-102.	1.6	13
21	Autophagy and Polyglutamine Disease. Advances in Experimental Medicine and Biology, 2020, 1207, 149-161.	1.6	6
22	E3 ubiquitin ligase HRD1 modulates the circadian clock through regulation of BMAL1 stability. Experimental and Therapeutic Medicine, 2020, 20, 2639-2648.	1.8	4
23	Pharmacological activation of REV-ERBÎ± represses LPS-induced microglial activation through the NF-Î²B pathway. Acta Pharmacologica Sinica, 2019, 40, 26-34.	6.1	79
24	Motor dysfunction and neurodegeneration in a C9orf72 mouse line expressing poly-PR. Nature Communications, 2019, 10, 2906.	12.8	68
25	Dominant Effect of Full-Length Presenilin-1 on the Enhancement of Store-Operated Calcium Entry. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2019, 13, 253-259.	0.6	1
26	Poly-PR in C9ORF72-Related Amyotrophic Lateral Sclerosis/Frontotemporal Dementia Causes Neurotoxicity by Clathrin-Dependent Endocytosis. Neuroscience Bulletin, 2019, 35, 889-900.	2.9	24
27	Sensitive detection of caspase-3 enzymatic activities and inhibitor screening by mass spectrometry with dual maleimide labelling quantitation. Analyst, The, 2019, 144, 6751-6759.	3.5	6
28	Impact of Dopamine Oxidation on Dopaminergic Neurodegeneration. ACS Chemical Neuroscience, 2019, 10, 945-953.	3.5	84
29	MiR-4465 directly targets PTEN to inhibit AKT/mTOR pathwayâ€“mediated autophagy. Cell Stress and Chaperones, 2019, 24, 105-113.	2.9	19
30	Protein Modification and Autophagy Activation. Advances in Experimental Medicine and Biology, 2019, 1206, 237-259.	1.6	73
31	Autophagy in Mitochondrial Quality Control. Advances in Experimental Medicine and Biology, 2019, 1206, 421-434.	1.6	29
32	Tyrosine hydroxylase down-regulation after loss of Abelson helper integration site 1 (AHI1) promotes depression via the circadian clock pathway in mice. Journal of Biological Chemistry, 2018, 293, 5090-5101.	3.4	18
33	Cereblon suppresses the formation of pathogenic protein aggregates in a p62-dependent manner. Human Molecular Genetics, 2018, 27, 667-678.	2.9	12
34	Dendritic cell nuclear protein-1 regulates melatonin biosynthesis by binding to BMAL1 and inhibiting the transcription of N-acetyltransferase in C6 cells. Acta Pharmacologica Sinica, 2018, 39, 597-606.	6.1	12
35	Serum Response Factor Promotes Dopaminergic Neuron Survival via Activation of Beclin 1-Dependent Autophagy. Neuroscience, 2018, 371, 288-295.	2.3	5
36	A strategy to find novel candidate anti-Alzheimerâ€™s disease drugs by constructing interaction networks between drug targets and natural compounds in medical plants. PeerJ, 2018, 6, e4756.	2.0	8

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37	P7C3 Inhibits LPS-Induced Microglial Activation to Protect Dopaminergic Neurons Against Inflammatory Factor-Induced Cell Death in vitro and in vivo. Frontiers in Cellular Neuroscience, 2018, 12, 400.	3.7	24
38	Coding mutations inNUS1contribute to Parkinsonâ€™s disease. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11567-11572.	7.1	78
39	Loss of VAPB Regulates Autophagy in a Beclin 1-Dependent Manner. Neuroscience Bulletin, 2018, 34, 1037-1046.	2.9	18
40	P7C3 inhibits GSK3Î² activation to protect dopaminergic neurons against neurotoxin-induced cell death in vitro and in vivo. Cell Death and Disease, 2017, 8, e2858-e2858.	6.3	29
41	A critical role of Hrd1 in the regulation of optineurin degradation and aggresome formation. Human Molecular Genetics, 2017, 26, 1877-1889.	2.9	32
42	Activation of AMPK/mTORC1-Mediated Autophagy by Metformin Reverses Clk1 Deficiency-Sensitized Dopaminergic Neuronal Death. Molecular Pharmacology, 2017, 92, 640-652.	2.3	56
43	Familial Parkinsonâ€™s Disease-Associated L166P Mutant DJ-1 is Cleaved by Mitochondrial Serine Protease Omi/HtrA2. Neuroscience Bulletin, 2017, 33, 685-694.	2.9	12
44	Activation of Nur77 in microglia attenuates proinflammatory mediators production and protects dopaminergic neurons from inflammationâ€induced cell death. Journal of Neurochemistry, 2017, 140, 589-604.	3.9	32
45	TARDBP/TDP-43 regulates autophagy in both MTORC1-dependent and MTORC1-independent manners. Autophagy, 2016, 12, 707-708.	9.1	24
46	The ubiquitin ligase HERC4 mediates c-Maf ubiquitination and delays the growth of multiple myeloma xenografts in nude mice. Blood, 2016, 127, 1676-1686.	1.4	49
47	Vitamin K2 suppresses rotenone-induced microglial activation in vitro. Acta Pharmacologica Sinica, 2016, 37, 1178-1189.	6.1	39
48	Mitochondrial dysfunction in Parkinsonâ€™s disease. Translational Neurodegeneration, 2016, 5, 14.	8.0	129
49	Phosphodiesterase 10A inhibition attenuates sleep deprivation-induced deficits in long-term fear memory. Neuroscience Letters, 2016, 635, 44-50.	2.1	10
50	<scp>TDP</scp> â€43 loss of function increases <scp>TFEB</scp> activity and blocks autophagosomeâ€“lysosome fusion. EMBO Journal, 2016, 35, 121-142.	7.8	147
51	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
52	Folliculin, a tumor suppressor associated with Birtâ€“Hoggâ€“DubÃ© (BHD) syndrome, is a novel modifier of TDP-43 cytoplasmic translocation and aggregation. Human Molecular Genetics, 2016, 25, 83-96.	2.9	16
53	UBA5 Mutations Cause a New Form of Autosomal Recessive Cerebellar Ataxia. PLoS ONE, 2016, 11, e0149039.	2.5	68
54	Mitochondrial Biogenesis Involved in Neurodegeneration and Aging. Gene and Gene Editing, 2015, 1, 103-110.	0.0	0

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55	Loss of TDP-43 Inhibits Amyotrophic Lateral Sclerosis-Linked Mutant SOD1 Aggresome Formation in an HDAC6-Dependent Manner. Journal of Alzheimer's Disease, 2015, 45, 373-386.	2.6	7
56	Allosteric modulation of sigmaâ€1 receptors elicits antiâ€seizure activities. British Journal of Pharmacology, 2015, 172, 4052-4065.	5.4	33
57	The Schizophrenia-Related Protein Dysbindin-1A Is Degraded and Facilitates NF-Kappa B Activity in the Nucleus. PLoS ONE, 2015, 10, e0132639.	2.5	11
58	Molecular evolution and functional divergence of zebrafish (Danio rerio) cryptochrome genes. Scientific Reports, 2015, 5, 8113.	3.3	52
59	A pivotal role of FOS-mediated BECN1/Beclin 1 upregulation in dopamine D2 and D3 receptor agonist-induced autophagy activation. Autophagy, 2015, 11, 2057-2073.	9.1	72
60	Nucleolar stress and impaired stress granule formation contribute to C9orf72 RAN translation-induced cytotoxicity. Human Molecular Genetics, 2015, 24, 2426-2441.	2.9	205
61	The mitochondrial protein BNIP3L is the substrate of PARK2 and mediates mitophagy in PINK1/PARK2 pathway. Human Molecular Genetics, 2015, 24, 2528-2538.	2.9	165
62	Bcl-2 Decreases the Affinity of SQSTM1/p62 to Poly-Ubiquitin Chains and Suppresses the Aggregation of Misfolded Protein in Neurodegenerative Disease. Molecular Neurobiology, 2015, 52, 1180-1189.	4.0	15
63	Parkin represses 6-hydroxydopamine-induced apoptosis via stabilizing scaffold protein p62 in PC12 cells. Acta Pharmacologica Sinica, 2015, 36, 1300-1307.	6.1	23
64	Induction of COX-2-PGE2 synthesis by activation of the MAPK/ERK pathway contributes to neuronal death triggered by TDP-43-depleted microglia. Cell Death and Disease, 2015, 6, e1702-e1702.	6.3	87
65	Regulation of autophagic flux by CHIP. Neuroscience Bulletin, 2015, 31, 469-479.	2.9	27
66	Endogenous level of TIGAR in brain is associated with vulnerability of neurons to ischemic injury. Neuroscience Bulletin, 2015, 31, 527-540.	2.9	24
67	Protease Omi facilitates neurite outgrowth in mouse neuroblastoma N2a cells by cleaving transcription factor E2F1. Acta Pharmacologica Sinica, 2015, 36, 966-975.	6.1	18
68	Protease Omi cleaving Hax-1 protein contributes to OGD/R-induced mitochondrial damage in neuroblastoma N2a cells and cerebral injury in MCAO mice. Acta Pharmacologica Sinica, 2015, 36, 1043-1052.	6.1	35
69	The BAG2 and BAG5 proteins inhibit the ubiquitination of pathogenic ataxin3-80Q. International Journal of Neuroscience, 2015, 125, 390-394.	1.6	8
70	BAG5 Protects against Mitochondrial Oxidative Damage through Regulating PINK1 Degradation. PLoS ONE, 2014, 9, e86276.	2.5	56
71	Inhibition of phosphodiesterase10A attenuates morphine-induced conditioned place preference. Molecular Brain, 2014, 7, 70.	2.6	22
72	p62/Sequestosome 1 Regulates Aggresome Formation of Pathogenic Ataxin-3 with Expanded Polyglutamine. International Journal of Molecular Sciences, 2014, 15, 14997-15010.	4.1	20

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73	Histamine H3 receptors aggravate cerebral ischaemic injury by histamine-independent mechanisms. Nature Communications, 2014, 5, 3334.	12.8	62
74	Naja naja atra venom ameliorates pulmonary fibrosis by inhibiting inflammatory response and oxidative stress. BMC Complementary and Alternative Medicine, 2014, 14, 461.	3.7	15
75	The protease Omi regulates mitochondrial biogenesis through the GSK3Î²/PGC-1Î± pathway. Cell Death and Disease, 2014, 5, e1373-e1373.	6.3	49
76	Ataxin-3 protects cells against H2O2-induced oxidative stress by enhancing the interaction between Bcl-XL and Bax. Neuroscience, 2013, 243, 14-21.	2.3	16
77	The BAG2 protein stabilises PINK1 by decreasing its ubiquitination. Biochemical and Biophysical Research Communications, 2013, 441, 488-492.	2.1	32
78	Cerebral ischemia-reperfusion-induced autophagy protects against neuronal injury by mitochondrial clearance. Autophagy, 2013, 9, 1321-1333.	9.1	416
79	SKF83959 Is a Potent Allosteric Modulator of Sigma-1 Receptor. Molecular Pharmacology, 2013, 83, 577-586.	2.3	47
80	Bcl-2-dependent upregulation of autophagy by sequestosome 1/p62 in vitro. Acta Pharmacologica Sinica, 2013, 34, 651-656.	6.1	44
81	Rotenone Directly Induces BV2 Cell Activation via the p38 MAPK Pathway. PLoS ONE, 2013, 8, e72046.	2.5	65
82	Identification of CHIP as a Novel Causative Gene for Autosomal Recessive Cerebellar Ataxia. PLoS ONE, 2013, 8, e81884.	2.5	86
83	The Ubiquitin Proteasome System as a Potential Target for the Treatment of Neurodegenerative Diseases. Current Pharmaceutical Design, 2013, 19, 3305-3314.	1.9	29
84	The Protease Omi Cleaves the Mitogen-Activated Protein Kinase Kinase MEK1 to Inhibit Microglial Activation. Science Signaling, 2012, 5, ra61.	3.6	24
85	Hax-1 is rapidly degraded by the proteasome dependent on its PEST sequence. BMC Cell Biology, 2012, 13, 20.	3.0	25
86	Ataxin-3 Regulates Aggresome Formation of Copper-Zinc Superoxide Dismutase (SOD1) by Editing K63-linked Polyubiquitin Chains. Journal of Biological Chemistry, 2012, 287, 28576-28585.	3.4	61
87	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
88	DJ-1 inhibits TRAIL-induced apoptosis by blocking pro-caspase-8 recruitment to FADD. Oncogene, 2012, 31, 1311-1322.	5.9	30
89	L166P mutant DJ-1 promotes cell death by dissociating Bax from mitochondrial Bcl-XL. Molecular Neurodegeneration, 2012, 7, 40.	10.8	32
90	The role of DJ-1 in anti-apoptosis. Molecular Neurodegeneration, 2012, 7, L16.	10.8	0

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91	H1-antihistamines induce vacuolation in astrocytes through macroautophagy. Toxicology and Applied Pharmacology, 2012, 260, 115-123.	2.8	16
92	The KDEL receptor induces autophagy to promote the clearance of neurodegenerative disease-related proteins. Neuroscience, 2011, 190, 43-55.	2.3	48
93	Dysbindin-1, a schizophrenia-related protein, facilitates neurite outgrowth by promoting the transcriptional activity of p53. Molecular Psychiatry, 2011, 16, 1105-1116.	7.9	49
94	Oxidized DJ-1 Interacts with the Mitochondrial Protein BCL-XL. Journal of Biological Chemistry, 2011, 286, 35308-35317.	3.4	75
95	The Endoplasmic Reticulum (ER)-associated Degradation System Regulates Aggregation and Degradation of Mutant Neuroserpin. Journal of Biological Chemistry, 2011, 286, 20835-20844.	3.4	42
96	Omi/HtrA2 is a positive regulator of autophagy that facilitates the degradation of mutant proteins involved in neurodegenerative diseases. Cell Death and Differentiation, 2010, 17, 1773-1784.	11.2	77
97	Dendritic cell nuclear protein-1, a novel depression-related protein, upregulates corticotropin-releasing hormone expression. Brain, 2010, 133, 3069-3079.	7.6	11
98	Nucleocytoplasmic Shuttling of Dysbindin-1, a Schizophrenia-related Protein, Regulates Synapsin I Expression. Journal of Biological Chemistry, 2010, 285, 38630-38640.	3.4	24
99	Parkin Mono-ubiquitinates Bcl-2 and Regulates Autophagy. Journal of Biological Chemistry, 2010, 285, 38214-38223.	3.4	142
100	Degradation of TDP-43 and its pathogenic form by autophagy and the ubiquitin-proteasome system. Neuroscience Letters, 2010, 469, 112-116.	2.1	183
101	DJ-1, a cancer and Parkinsonâ€™s disease associated protein, regulates autophagy through JNK pathway in cancer cells. Cancer Letters, 2010, 297, 101-108.	7.2	77
102	NGFI-B Nuclear Orphan Receptor Nurr1 Interacts with p53 and Suppresses Its Transcriptional Activity. Molecular Cancer Research, 2009, 7, 1408-1415.	3.4	41
103	Gp78, an ER associated E3, promotes SOD1 and ataxin-3 degradation. Human Molecular Genetics, 2009, 18, 4268-4281.	2.9	117
104	The Involvement of Retinoic Acid Receptor-Î± in Corticotropin-Releasing Hormone Gene Expression and Affective Disorders. Biological Psychiatry, 2009, 66, 832-839.	1.3	69
105	PolyQ-expanded ataxin-3 interacts with full-length ataxin-3 in a polyQ length-dependent manner. Neuroscience Bulletin, 2008, 24, 201-208.	2.9	8
106	Casein kinase 2 interacts with and phosphorylates ataxin-3. Neuroscience Bulletin, 2008, 24, 271-277.	2.9	20
107	Sumoylation is critical for DJâ€1 to repress p53 transcriptional activity. FEBS Letters, 2008, 582, 1151-1156.	2.8	47
108	DJ-1 Decreases Bax Expression through Repressing p53 Transcriptional Activity. Journal of Biological Chemistry, 2008, 283, 4022-4030.	3.4	207

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109	Assembly of Lysine 63-linked Ubiquitin Conjugates by Phosphorylated Î±-Synuclein Implies Lewy Body Biogenesis. Journal of Biological Chemistry, 2007, 282, 14558-14566.	3.4	45
110	Phosphorylation of ataxin-3 by glycogen synthase kinase 3Î² at serine 256 regulates the aggregation of ataxin-3. Biochemical and Biophysical Research Communications, 2007, 357, 487-492.	2.1	48
111	Nurr1 is phosphorylated by ERK2 in vitro and its phosphorylation upregulates tyrosine hydroxylase expression in SH-SY5Y cells. Neuroscience Letters, 2007, 423, 118-122.	2.1	43
112	p45, an ATPase subunit of the 19S proteasome, targets the polyglutamine disease protein ataxin-3 to the proteasome. Journal of Neurochemistry, 2007, 101, 1651-1661.	3.9	17
113	SUMO-1 modification increases human SOD1 stability and aggregation. Biochemical and Biophysical Research Communications, 2006, 347, 406-412.	2.1	85
114	Caspase activation during apoptotic cell death induced by expanded polyglutamine in N2a cells. NeuroReport, 1999, 10, 2435-2438.	1.2	90
115	Machadoâ€“Joseph Disease Gene Product Identified in Lymphocytes and Brain. Biochemical and Biophysical Research Communications, 1997, 233, 476-479.	2.1	37
116	HuR Affects the Radiosensitivity of Esophageal Cancer by Regulating the EMT-Related Protein Snail. Frontiers in Oncology, 0, 12, .	2.8	1