Qiong Liu

List of Publications by Year in descending order

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		186265	223800
115	2,837	28	46
papers	citations	h-index	g-index
122	122	122	3320
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Critical adhesion areas of cells on micro-nanopatterns. Nano Research, 2022, 15, 1623-1635.	10.4	22
2	Hydrogen-rich water ameliorates neuropathological impairments in a mouse model of Alzheimer's disease through reducing neuroinflammation and modulating intestinal microbiota. Neural Regeneration Research, 2022, 17, 409.	3.0	12
3	An Adequate Supply of Bis(ethylmaltolato)oxidovanadium(IV) Remarkably Reversed the Pathological Hallmarks of Alzheimer's Disease in Triple-Transgenic Middle-Aged Mice. Biological Trace Element Research, 2022, 200, 3248-3264.	3.5	4
4	Esculentoside A alleviates cognitive deficits and amyloid pathology through peroxisome proliferator-activated receptor Î ³ -dependent mechanism in an Alzheimer's disease model. Phytomedicine, 2022, 98, 153956.	5.3	11
5	Portable electrochemical micro-workstation platform for simultaneous detection of multiple Alzheimer's disease biomarkers. Mikrochimica Acta, 2022, 189, 91.	5.0	19
6	Proteomic Responses of Dark-Adapted Euglena gracilis and Bleached Mutant Against Light Stimuli. Frontiers in Bioengineering and Biotechnology, 2022, 10, 843414.	4.1	1
7	A Synthetic Biology Perspective on the Bioengineering Tools for an Industrial Microalga: Euglena gracilis. Frontiers in Bioengineering and Biotechnology, 2022, 10, 882391.	4.1	4
8	Design and aligner-assisted fast fabrication of a microfluidic platform for quasi-3D cell studies on an elastic polymer. Bioactive Materials, 2022, 15, 288-304.	15.6	12
9	Deep transfer learning of structural magnetic resonance imaging fused with blood parameters improves brain age prediction. Human Brain Mapping, 2022, 43, 1640-1656.	3.6	7
10	Inhibitory Effects of Macelignan on Tau Phosphorylation and Aβ Aggregation in the Cell Model of Alzheimer's Disease. Frontiers in Nutrition, 2022, 9, .	3.7	6
11	Comparative Proteomic Analysis Reveals the Effect of Selenoprotein W Deficiency on Oligodendrogenesis in Fear Memory. Antioxidants, 2022, 11, 999.	5.1	4
12	Ebselen Interferes with Alzheimer's Disease by Regulating Mitochondrial Function. Antioxidants, 2022, 11, 1350.	5.1	5
13	Changes of volatile compounds and odor profiles in Wuyi rock tea during processing. Food Chemistry, 2021, 341, 128230.	8.2	131
14	Unsaturated mannuronate oligosaccharide ameliorates βâ€amyloid pathology through autophagy in Alzheimer's disease cell models. Carbohydrate Polymers, 2021, 251, 117124.	10.2	27
15	Inhibitory Effects of Isobavachalcone on Tau Protein Aggregation, Tau Phosphorylation, and Oligomeric Tau-Induced Apoptosis. ACS Chemical Neuroscience, 2021, 12, 123-132.	3.5	17
16	TDMQ20, a Specific Copper Chelator, Reduces Memory Impairments in Alzheimer's Disease Mouse Models. ACS Chemical Neuroscience, 2021, 12, 140-149.	3.5	26
17	Isobavachalcone ameliorates cognitive deficits, and AÎ ² and tau pathologies in triple-transgenic mice with Alzheimer's disease. Food and Function, 2021, 12, 7749-7761.	4.6	6
18	Effect of Increased IL-1β on Expression of HK in Alzheimer's Disease. International Journal of Molecular Sciences, 2021, 22, 1306.	4.1	13

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19	Insights Into the Mechanism of Tyrosine Nitration in Preventing β-Amyloid Aggregation in Alzheimer's Disease. Frontiers in Molecular Neuroscience, 2021, 14, 619836.	2.9	4
20	The Function of Selenium in Central Nervous System: Lessons from MsrB1 Knockout Mouse Models. Molecules, 2021, 26, 1372.	3.8	3
21	Se-Methylselenocysteine (SMC) Improves Cognitive Deficits by Attenuating Synaptic and Metabolic Abnormalities in Alzheimer's Mice Model: A Proteomic Study. ACS Chemical Neuroscience, 2021, 12, 1112-1132.	3.5	23
22	Deep learning based neuronal soma detection and counting for Alzheimer's disease analysis. Computer Methods and Programs in Biomedicine, 2021, 203, 106023.	4.7	10
23	Bis(ethylmaltolato)oxidovanadium (IV) attenuates amyloid-beta-mediated neuroinflammation by inhibiting NF-l ^e B signaling pathway via a PPARl ³ -dependent mechanism. Metallomics, 2021, 13, .	2.4	15
24	Bis(ethylmaltolato)oxidovanadium (IV) alleviates neuronal apoptosis through regulating peroxisome proliferator-activated receptor γ in a triple transgenic animal model of Alzheimer's disease. Journal of Biological Inorganic Chemistry, 2021, 26, 551-568.	2.6	6
25	An electrochemical aptasensor based on AuPt alloy nanoparticles for ultrasensitive detection of amyloid-β oligomers. Talanta, 2021, 231, 122360.	5.5	30
26	Tau N-Terminal Inserts Regulate Tau Liquid-Liquid Phase Separation and Condensates Maturation in a Neuronal Cell Model. International Journal of Molecular Sciences, 2021, 22, 9728.	4.1	12
27	Enlargement, Reduction, and Even Reversal of Relative Migration Speeds of Endothelial and Smooth Muscle Cells on Biomaterials Simply by Adjusting RGD Nanospacing. ACS Applied Materials & Interfaces, 2021, 13, 42344-42356.	8.0	17
28	Total flavonoids from Potentilla kleiniana Wight et Arn inhibits biofilm formation and virulence factors production in methicillin-resistant Staphylococcus aureus (MRSA). Journal of Ethnopharmacology, 2021, 279, 114383.	4.1	8
29	Selenoprotein K deficiency-induced apoptosis: A role for calpain and the ERS pathway. Redox Biology, 2021, 47, 102154.	9.0	30
30	Surface modification to enhance cell migration on biomaterials and its combination with 3D structural design of occluders to improve interventional treatment of heart diseases. Biomaterials, 2021, 279, 121208.	11.4	33
31	Alzheimer's Disease and Diabetes Mellitus in Comparison: The Therapeutic Efficacy of the Vanadium Compound. International Journal of Molecular Sciences, 2021, 22, 11931.	4.1	8
32	Evaluation of a Digital Brain Positron Emission Tomography Scanner Based on the Plug&Imaging Sensor Technology. IEEE Transactions on Radiation and Plasma Medical Sciences, 2020, 4, 327-334.	3.7	16
33	The algal selenoproteomes. BMC Genomics, 2020, 21, 699.	2.8	7
34	His-Rich Domain of Selenoprotein P Ameliorates Neuropathology and Cognitive Deficits by Regulating TrkB Pathway and Zinc Homeostasis in an Alzheimer Model of Mice. ACS Chemical Neuroscience, 2020, 11, 4098-4110.	3.5	9
35	Coexisting overexpression of STOML1 and STOML2 proteins may be associated with pathology of oral squamous cell carcinoma. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2020, 129, 591-599.e3.	0.4	4
36	TAF1L promotes development of oral squamous cell carcinoma via decreasing autophagy-dependent apoptosis. International Journal of Biological Sciences, 2020, 16, 1180-1193.	6.4	12

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37	Characterization and Neuroprotection Potential of Seleno-Polymannuronate. Frontiers in Pharmacology, 2020, 11, 21.	3.5	11
38	The Protective Effect of Vanadium on Cognitive Impairment and the Neuropathology of Alzheimer's Disease in APPSwe/PS1dE9 Mice. Frontiers in Molecular Neuroscience, 2020, 13, 21.	2.9	32
39	Bis(ethylmaltolato)oxidovanadium(<scp>iv</scp>) inhibited the pathogenesis of Alzheimer's disease in triple transgenic model mice. Metallomics, 2020, 12, 474-490.	2.4	22
40	Specific Degradation of Endogenous Tau Protein and Inhibition of Tau Fibrillation by Tanshinone IIA through the Ubiquitin–Proteasome Pathway. Journal of Agricultural and Food Chemistry, 2020, 68, 2054-2062.	5.2	20
41	Bis(ethylmaltolato)oxidovanadium (IV) mitigates neuronal apoptosis resulted from amyloid-beta induced endoplasmic reticulum stress through activating peroxisome proliferator-activated receptor Î ³ . Journal of Inorganic Biochemistry, 2020, 208, 111073.	3.5	14
42	Application of in Vivo Fluorescence Imaging and Metal Ion Detection for Investigation of Bis(ethylmaltolato) Oxidovanadium (IV) on Alzheimer's Disease. Chinese Journal of Analytical Chemistry, 2019, 47, 1680-1688.	1.7	0
43	Loss of MsrB1 perturbs spatial learning and long-term potentiation/long-term depression in mice. Neurobiology of Learning and Memory, 2019, 166, 107104.	1.9	11
44	Alzheimer's Disease Is Responsible for Progressive Age-Dependent Differential Expression of Various Protein Cascades in Retina of Mice. ACS Chemical Neuroscience, 2019, 10, 2418-2433.	3.5	8
45	Identification of Blood Biomarkers for Alzheimer's Disease Through Computational Prediction and Experimental Validation. Frontiers in Neurology, 2019, 9, 1158.	2.4	34
46	Sustained release of bioactive hydrogen by Pd hydride nanoparticles overcomes Alzheimer's disease. Biomaterials, 2019, 197, 393-404.	11.4	100
47	Identification of FAM96B as a novel selenoprotein W binding partner in the brain. Biochemical and Biophysical Research Communications, 2019, 512, 137-143.	2.1	2
48	Comparative Serum Proteomic Analysis of the Effects of Sodium Selenate on a Mouse Model of Alzheimer's Disease. Biological Trace Element Research, 2019, 192, 263-276.	3.5	2
49	Xanthohumol inhibits tau protein aggregation and protects cells against tau aggregates. Food and Function, 2019, 10, 7865-7874.	4.6	21
50	Precision Medicine: Role of Biomarkers in Early Prediction and Diagnosis of Alzheimer's Disease. , 2019, , .		5
51	Neuroimmunoregulatory potential of seleno-polymannuronate derived from alginate in lipopolysaccharide-stimulated BV2 microglia. Food Hydrocolloids, 2019, 87, 925-932.	10.7	12
52	Cell Type and Nuclear Size Dependence of the Nuclear Deformation of Cells on a Micropillar Array. Langmuir, 2019, 35, 7469-7477.	3.5	20
53	Seâ€Methylselenocysteine Ameliorates Neuropathology and Cognitive Deficits by Attenuating Oxidative Stress and Metal Dyshomeostasis in Alzheimer Model Mice. Molecular Nutrition and Food Research, 2018, 62, e1800107.	3.3	32
54	Effect of Sodium Selenate on Hippocampal Proteome of 3×Tg-AD Mice—Exploring the Antioxidant Dogma of Selenium against Alzheimer's Disease. ACS Chemical Neuroscience, 2018, 9, 1637-1651.	3.5	27

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55	Elucidation of the Molecular-Mechanisms and In Vivo Evaluation of the Anti-inflammatory Effect of Alginate-Derived Seleno-polymannuronate. Journal of Agricultural and Food Chemistry, 2018, 66, 2083-2091.	5.2	36
56	Blocking the Thiol at Cysteine-322 Destabilizes Tau Protein and Prevents Its Oligomer Formation. ACS Chemical Neuroscience, 2018, 9, 1560-1565.	3.5	19
57	Leftâ€Right Symmetry or Asymmetry of Cells on Stripeâ€Like Micropatterned Material Surfaces. Chinese Journal of Chemistry, 2018, 36, 605-611.	4.9	13
58	SelGenAmic: An Algorithm for Selenoprotein Gene Assembly. Methods in Molecular Biology, 2018, 1661, 29-39.	0.9	3
59	Strategy of Metal–Polymer Composite Stent To Accelerate Biodegradation of Iron-Based Biomaterials. ACS Applied Materials & Interfaces, 2018, 10, 182-192.	8.0	100
60	Front cover: Seâ€Methylselenocysteine Ameliorates Neuropathology and Cognitive Deficits by Attenuating Oxidative Stress and Metal Dyshomeostasis in Alzheimer Model Mice. Molecular Nutrition and Food Research, 2018, 62, 1870070.	3.3	2
61	Effective Theranostic Cyanine for Imaging of Amyloid Species in Vivo and Cognitive Improvements in Mouse Model. ACS Omega, 2018, 3, 6812-6819.	3.5	28
62	Selenium positively affects the proteome of 3 × Tgâ€AD mice cortex by altering the expression of various key proteins: unveiling the mechanistic role of selenium in AD prevention. Journal of Neuroscience Research, 2018, 96, 1798-1815.	2.9	14
63	The interaction of selenoprotein F (SELENOF) with retinol dehydrogenase 11 (RDH11) implied a role of SELENOF in vitamin A metabolism. Nutrition and Metabolism, 2018, 15, 7.	3.0	12
64	Selenomethionine Mitigates Cognitive Decline by Targeting Both Tau Hyperphosphorylation and Autophagic Clearance in an Alzheimer's Disease Mouse Model. Journal of Neuroscience, 2017, 37, 2449-2462.	3.6	106
65	Selenomethionine promoted hippocampal neurogenesis via the PI3K-Akt-GSK3β-Wnt pathway in a mouse model of Alzheimer's disease. Biochemical and Biophysical Research Communications, 2017, 485, 6-15.	2.1	56
66	Berberine improves cognitive impairment by promoting autophagic clearance and inhibiting production of β-amyloid in APP/tau/PS1 mouse model of Alzheimer's disease. Experimental Gerontology, 2017, 91, 25-33.	2.8	122
67	Ebselen ameliorates β-amyloid pathology, tau pathology, and cognitive impairment in triple-transgenic Alzheimer's disease mice. Journal of Biological Inorganic Chemistry, 2017, 22, 851-865.	2.6	76
68	Direct interaction between selenoprotein R and $\hat{A^2}$ 42. Biochemical and Biophysical Research Communications, 2017, 489, 509-514.	2.1	6
69	Proteomics Analysis of Blood Serums from Alzheimer's Disease Patients Using iTRAQ Labeling Technology. Journal of Alzheimer's Disease, 2017, 56, 361-378.	2.6	64
70	Selenomethionine Attenuates the Amyloid-β Level by Both Inhibiting Amyloid-β Production and Modulating Autophagy in Neuron-2a/AβPPswe Cells. Journal of Alzheimer's Disease, 2017, 59, 591-602.	2.6	21
71	Sodium selenate activated Wnt/β-catenin signaling and repressed amyloid-β formation in a triple transgenic mouse model of Alzheimer's disease. Experimental Neurology, 2017, 297, 36-49.	4.1	74
72	The neuroprotective effects of Berberine against amyloid β-protein-induced apoptosis in primary cultured hippocampal neurons via mitochondria-related caspase pathway. Neuroscience Letters, 2017, 655, 46-53.	2.1	31

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73	Long-Term Dietary Supplementation with Selenium-Enriched Yeast Improves Cognitive Impairment, Reverses Synaptic Deficits, and Mitigates Tau Pathology in a Triple Transgenic Mouse Model of Alzheimer's Disease. Journal of Agricultural and Food Chemistry, 2017, 65, 4970-4979.	5.2	33
74	Redox Proteomic Profiling of Specifically Carbonylated Proteins in the Serum of Triple Transgenic Alzheimer's Disease Mice. International Journal of Molecular Sciences, 2016, 17, 469.	4.1	23
75	Selenomethionine Ameliorates Neuropathology in the Olfactory Bulb of a Triple Transgenic Mouse Model of Alzheimer's Disease. International Journal of Molecular Sciences, 2016, 17, 1595.	4.1	12
76	Sodium selenate regulates the brain ionome in a transgenic mouse model of Alzheimer's disease. Scientific Reports, 2016, 6, 39290.	3.3	27
77	Selenomethionine reduces the deposition of beta-amyloid plaques by modulating β-secretase and enhancing selenoenzymatic activity in a mouse model of Alzheimer's disease. Metallomics, 2016, 8, 782-789.	2.4	28
78	Selenoprotein Gene Nomenclature. Journal of Biological Chemistry, 2016, 291, 24036-24040.	3.4	207
79	Editorial (Thematic Issue: Bioactive Small Molecules in Regulating Inflammation and Metabolic) Tj ETQq1 1 0.78	4314 rgBT 2.1	-/Oyerlock I
80	Comparative Genomics Reveals New Candidate Genes Involved in Selenium Metabolism in Prokaryotes. Genome Biology and Evolution, 2015, 7, 664-676.	2.5	36
81	Redox proteomics identification of specifically carbonylated proteins in the hippocampi of triple transgenic Alzheimer's disease mice at its earliest pathological stage. Journal of Proteomics, 2015, 123, 101-113.	2.4	63
82	Potential Roles of Selenium and Selenoproteins in the Prevention of Alzheimer';s Disease. Current Topics in Medicinal Chemistry, 2015, 16, 835-848.	2.1	31
83	Direct Interaction between Selenoprotein P and Tubulin. International Journal of Molecular Sciences, 2014, 15, 10199-10214.	4.1	13
84	Se-Methylselenocysteine Inhibits Apoptosis Induced by Clusterin Knockdown in Neuroblastoma N2a and SH-SY5Y Cell Lines. International Journal of Molecular Sciences, 2014, 15, 21331-21347.	4.1	4
85	Inhibitory Act of Selenoprotein P on Cu+/Cu2+-Induced Tau Aggregation and Neurotoxicity. Inorganic Chemistry, 2014, 53, 11221-11230.	4.0	35
86	Computational identification of a new SelD-like family that may participate in sulfur metabolism in hyperthermophilic sulfur-reducing archaea. BMC Genomics, 2014, 15, 908.	2.8	6
87	Selenomethionine Ameliorates Cognitive Decline, Reduces Tau Hyperphosphorylation, and Reverses Synaptic Deficit in the Triple Transgenic Mouse Model of Alzheimer's Disease. Journal of Alzheimer's Disease, 2014, 41, 85-99.	2.6	73
88	Gadolinium promoted proliferation in mouse embryo fibroblast NIH3T3 cells through Rac and PI3K/Akt signaling pathways. BioMetals, 2014, 27, 753-762.	4.1	16
89	Inhibitory Effect of Selenoprotein P on Cu ⁺ /Cu ²⁺ -Induced Al² ₄₂ Aggregation and Toxicity. Inorganic Chemistry, 2014, 53, 1672-1678.	4.0	37
90	Phosphoproteomic Profiling of Selenate-Treated Alzheimer's Disease Model Cells. PLoS ONE, 2014, 9, e113307.	2.5	10

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91	Different Forms of Selenoprotein M Differentially Affect AÎ ² Aggregation and ROS Generation. International Journal of Molecular Sciences, 2013, 14, 4385-4399.	4.1	34
92	Selenoprotein P and selenoprotein M block Zn2+-mediated Al̂242 aggregation and toxicity. Metallomics, 2013, 5, 861.	2.4	53
93	Galectin-1 Is an Interactive Protein of Selenoprotein M in the Brain. International Journal of Molecular Sciences, 2013, 14, 22233-22245.	4.1	15
94	Comparative proteomics analysis of sodium selenite-induced apoptosis in human prostate cancer cells. Metallomics, 2013, 5, 541.	2.4	20
95	Comparative selenoproteome analysis reveals a reduced utilization of selenium in parasitic platyhelminthes. PeerJ, 2013, 1, e202.	2.0	5
96	Selenoprotein-Transgenic Chlamydomonas reinhardtii. Nutrients, 2013, 5, 624-636.	4.1	25
97	Direct Interaction of Selenoprotein R with Clusterin and Its Possible Role in Alzheimer's Disease. PLoS ONE, 2013, 8, e66384.	2.5	19
98	Advance reseach on strategies for the prevention of Alzheimer's disease. Shenzhen Daxue Xuebao (Ligong Ban)/Journal of Shenzhen University Science and Engineering, 2013, 30, 331-348.	0.2	2
99	Evolution of selenoproteins in the metazoan. BMC Genomics, 2012, 13, 446.	2.8	44
100	Bioinformatic prediction of selenoprotein genes in the dolphin genome. Science Bulletin, 2012, 57, 1533-1541.	1.7	1
101	Expression and characterization of a new valosin ontaining protein from silkworm. Insect Science, 2012, 19, 549-558.	3.0	0
102	Proteomic study on sodium selenite-induced apoptosis of human cervical cancer HeLa cells. Journal of Trace Elements in Medicine and Biology, 2011, 25, 130-137.	3.0	17
103	Purification and characterization of two major selenium-containing proteins in selenium-rich silkworm pupas. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2010, 5, 88-98.	0.4	4
104	Proteomic analysis of lanthanum citrate-induced apoptosis in human cervical carcinoma SiHa cells. BioMetals, 2010, 23, 1179-1189.	4.1	27
105	In silico identification of the sea squirt selenoproteome. BMC Genomics, 2010, 11, 289.	2.8	21
106	A new method for multi-site-directed mutagenesis. Analytical Biochemistry, 2010, 406, 83-85.	2.4	15
107	A proteomic investigation into the human cervical cancer cell line HeLa treated with dicitratoytterbium (III) complex. Chemico-Biological Interactions, 2009, 181, 455-462.	4.0	24
108	Comparative proteomics analysis of lanthanum citrate complex-induced apoptosis in HeLa cells. Science in China Series B: Chemistry, 2009, 52, 1814-1820.	0.8	5

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109	New selenoproteins identified in silico from the genome of Anopheles gambiae. Science in China Series C: Life Sciences, 2007, 50, 251-257.	1.3	3
110	In silico identification of silkworm selenoproteomes. Science Bulletin, 2006, 51, 2860-2867.	1.7	4
111	Effects of amino acids from selenium-rich silkworm pupas on human hepatoma cells. Life Sciences, 2005, 77, 2098-2110.	4.3	35
112	Effects of Trace Elements on the Telomere Lengths of Hepatocytes L-02 and Hepatoma Cells SMMC-7721. Biological Trace Element Research, 2004, 100, 215-228.	3.5	37
113	Identification of selenocysteine insertion sequence (SECIS) element in eukaryotic selenoproteins by RNA Draw program. Science Bulletin, 2001, 46, 1159-1161.	1.7	6
114	The mechanism for the effect of selenium supplementation on immunity. Biological Trace Element Research, 1995, 48, 231-238.	3.5	24
115	Effect of selenium in recovery of immunity damaged by H2O2 and60Co radiation. Biological Trace	3.5	4