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

Οιονς Γιμ

#	Article	IF	CITATIONS
1	Selenoprotein Gene Nomenclature. Journal of Biological Chemistry, 2016, 291, 24036-24040.	3.4	207
2	Changes of volatile compounds and odor profiles in Wuyi rock tea during processing. Food Chemistry, 2021, 341, 128230.	8.2	131
3	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
4	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
5	Strategy of Metal–Polymer Composite Stent To Accelerate Biodegradation of Iron-Based Biomaterials. ACS Applied Materials & Interfaces, 2018, 10, 182-192.	8.0	100
6	Sustained release of bioactive hydrogen by Pd hydride nanoparticles overcomes Alzheimer's disease. Biomaterials, 2019, 197, 393-404.	11.4	100
7	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
8	Sodium selenate activated Wnt/l²-catenin signaling and repressed amyloid-l² formation in a triple transgenic mouse model of Alzheimer's disease. Experimental Neurology, 2017, 297, 36-49.	4.1	74
9	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
10	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
11	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
12	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
13	Selenoprotein P and selenoprotein M block Zn2+-mediated Aβ42 aggregation and toxicity. Metallomics, 2013, 5, 861.	2.4	53
14	Evolution of selenoproteins in the metazoan. BMC Genomics, 2012, 13, 446.	2.8	44
15	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
16	Inhibitory Effect of Selenoprotein P on Cu ⁺ /Cu ²⁺ -Induced Aβ ₄₂ Aggregation and Toxicity. Inorganic Chemistry, 2014, 53, 1672-1678.	4.0	37
17	Comparative Genomics Reveals New Candidate Genes Involved in Selenium Metabolism in Prokaryotes. Genome Biology and Evolution, 2015, 7, 664-676.	2.5	36
18	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

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19	Effects of amino acids from selenium-rich silkworm pupas on human hepatoma cells. Life Sciences, 2005, 77, 2098-2110.	4.3	35
20	Inhibitory Act of Selenoprotein P on Cu+/Cu2+-Induced Tau Aggregation and Neurotoxicity. Inorganic Chemistry, 2014, 53, 11221-11230.	4.0	35
21	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
22	Identification of Blood Biomarkers for Alzheimer's Disease Through Computational Prediction and Experimental Validation. Frontiers in Neurology, 2019, 9, 1158.	2.4	34
23	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
24	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
25	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
26	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
27	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
28	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
29	An electrochemical aptasensor based on AuPt alloy nanoparticles for ultrasensitive detection of amyloid-β oligomers. Talanta, 2021, 231, 122360.	5.5	30
30	Selenoprotein K deficiency-induced apoptosis: A role for calpain and the ERS pathway. Redox Biology, 2021, 47, 102154.	9.0	30
31	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
32	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
33	Proteomic analysis of lanthanum citrate-induced apoptosis in human cervical carcinoma SiHa cells. BioMetals, 2010, 23, 1179-1189.	4.1	27
34	Sodium selenate regulates the brain ionome in a transgenic mouse model of Alzheimer's disease. Scientific Reports, 2016, 6, 39290.	3.3	27
35	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
36	Unsaturated mannuronate oligosaccharide ameliorates βâ€amyloid pathology through autophagy in Alzheimer's disease cell models. Carbohydrate Polymers, 2021, 251, 117124.	10.2	27

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37	TDMQ20, a Specific Copper Chelator, Reduces Memory Impairments in Alzheimer's Disease Mouse Models. ACS Chemical Neuroscience, 2021, 12, 140-149.	3.5	26
38	Selenoprotein-Transgenic Chlamydomonas reinhardtii. Nutrients, 2013, 5, 624-636.	4.1	25
39	The mechanism for the effect of selenium supplementation on immunity. Biological Trace Element Research, 1995, 48, 231-238.	3.5	24
40	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
41	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
42	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
43	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
44	Critical adhesion areas of cells on micro-nanopatterns. Nano Research, 2022, 15, 1623-1635.	10.4	22
45	In silico identification of the sea squirt selenoproteome. BMC Genomics, 2010, 11, 289.	2.8	21
46	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
47	Xanthohumol inhibits tau protein aggregation and protects cells against tau aggregates. Food and Function, 2019, 10, 7865-7874.	4.6	21
48	Comparative proteomics analysis of sodium selenite-induced apoptosis in human prostate cancer cells. Metallomics, 2013, 5, 541.	2.4	20
49	Cell Type and Nuclear Size Dependence of the Nuclear Deformation of Cells on a Micropillar Array. Langmuir, 2019, 35, 7469-7477.	3.5	20
50	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
51	Direct Interaction of Selenoprotein R with Clusterin and Its Possible Role in Alzheimer's Disease. PLoS ONE, 2013, 8, e66384.	2.5	19
52	Blocking the Thiol at Cysteine-322 Destabilizes Tau Protein and Prevents Its Oligomer Formation. ACS Chemical Neuroscience, 2018, 9, 1560-1565.	3.5	19
53	Portable electrochemical micro-workstation platform for simultaneous detection of multiple Alzheimer's disease biomarkers. Mikrochimica Acta, 2022, 189, 91.	5.0	19
54	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

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55	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
56	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
57	Gadolinium promoted proliferation in mouse embryo fibroblast NIH3T3 cells through Rac and PI3K/Akt signaling pathways. BioMetals, 2014, 27, 753-762.	4.1	16
58	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
59	A new method for multi-site-directed mutagenesis. Analytical Biochemistry, 2010, 406, 83-85.	2.4	15
60	Galectin-1 Is an Interactive Protein of Selenoprotein M in the Brain. International Journal of Molecular Sciences, 2013, 14, 22233-22245.	4.1	15
61	Bis(ethylmaltolato)oxidovanadium (IV) attenuates amyloid-beta-mediated neuroinflammation by inhibiting NF-κB signaling pathway via a PPARγ-dependent mechanism. Metallomics, 2021, 13, .	2.4	15
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	Bis(ethylmaltolato)oxidovanadium (IV) mitigates neuronal apoptosis resulted from amyloid-beta induced endoplasmic reticulum stress through activating peroxisome proliferator-activated receptor γ. Journal of Inorganic Biochemistry, 2020, 208, 111073.	3.5	14
64	Direct Interaction between Selenoprotein P and Tubulin. International Journal of Molecular Sciences, 2014, 15, 10199-10214.	4.1	13
65	Leftâ€Right Symmetry or Asymmetry of Cells on Stripe‣ike Micropatterned Material Surfaces. Chinese Journal of Chemistry, 2018, 36, 605-611.	4.9	13
66	Effect of Increased IL-1β on Expression of HK in Alzheimer's Disease. International Journal of Molecular Sciences, 2021, 22, 1306.	4.1	13
67	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
68	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
69	Neuroimmunoregulatory potential of seleno-polymannuronate derived from alginate in lipopolysaccharide-stimulated BV2 microglia. Food Hydrocolloids, 2019, 87, 925-932.	10.7	12
70	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
71	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
72	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

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73	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
74	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
75	Characterization and Neuroprotection Potential of Seleno-Polymannuronate. Frontiers in Pharmacology, 2020, 11, 21.	3.5	11
76	Esculentoside A alleviates cognitive deficits and amyloid pathology through peroxisome proliferator-activated receptor γ-dependent mechanism in an Alzheimer's disease model. Phytomedicine, 2022, 98, 153956.	5.3	11
77	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
78	Phosphoproteomic Profiling of Selenate-Treated Alzheimer's Disease Model Cells. PLoS ONE, 2014, 9, e113307.	2.5	10
79	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
80	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
81	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
82	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
83	The algal selenoproteomes. BMC Genomics, 2020, 21, 699.	2.8	7
84	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
85	Identification of selenocysteine insertion sequence (SECIS) element in eukaryotic selenoproteins by RNA Draw program. Science Bulletin, 2001, 46, 1159-1161.	1.7	6
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	Direct interaction between selenoprotein R and $\hat{A^2}$ 42. Biochemical and Biophysical Research Communications, 2017, 489, 509-514.	2.1	6
88	Isobavachalcone ameliorates cognitive deficits, and Aβ and tau pathologies in triple-transgenic mice with Alzheimer's disease. Food and Function, 2021, 12, 7749-7761.	4.6	6
89	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
90	Inhibitory Effects of Macelignan on Tau Phosphorylation and AÎ ² Aggregation in the Cell Model of Alzheimer's Disease. Frontiers in Nutrition, 2022, 9, .	3.7	6

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91	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
92	Comparative selenoproteome analysis reveals a reduced utilization of selenium in parasitic platyhelminthes. PeerJ, 2013, 1, e202.	2.0	5
93	Precision Medicine: Role of Biomarkers in Early Prediction and Diagnosis of Alzheimer's Disease. , 2019, , .		5
94	Ebselen Interferes with Alzheimer's Disease by Regulating Mitochondrial Function. Antioxidants, 2022, 11, 1350.	5.1	5
95	Effect of selenium in recovery of immunity damaged by H2O2 and60Co radiation. Biological Trace Element Research, 1995, 48, 239-250.	3.5	4
96	In silico identification of silkworm selenoproteomes. Science Bulletin, 2006, 51, 2860-2867.	1.7	4
97	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
98	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
99	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
100	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
101	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
102	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
103	Comparative Proteomic Analysis Reveals the Effect of Selenoprotein W Deficiency on Oligodendrogenesis in Fear Memory. Antioxidants, 2022, 11, 999.	5.1	4
104	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
105	SelGenAmic: An Algorithm for Selenoprotein Gene Assembly. Methods in Molecular Biology, 2018, 1661, 29-39.	0.9	3
106	The Function of Selenium in Central Nervous System: Lessons from MsrB1 Knockout Mouse Models. Molecules, 2021, 26, 1372.	3.8	3
107	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
108	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

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109	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
110	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
111	Bioinformatic prediction of selenoprotein genes in the dolphin genome. Science Bulletin, 2012, 57, 1533-1541.	1.7	1
112	Proteomic Responses of Dark-Adapted Euglena gracilis and Bleached Mutant Against Light Stimuli. Frontiers in Bioengineering and Biotechnology, 2022, 10, 843414.	4.1	1
113	Expression and characterization of a new valosinâ€containing protein from silkworm. Insect Science, 2012, 19, 549-558.	3.0	0
114	Editorial (Thematic Issue: Bioactive Small Molecules in Regulating Inflammation and Metabolic) Tj ETQq0 0 0 rgBT	/Qyerlock	10 Tf 50 54

115	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	:	1.7	0	
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