Fufeng Liu

List of Publications by Citations

51 papers	587 citations	15 h-index	21 g-index
56 ext. papers	841 ext. citations	6 avg, IF	4.18 L-index

#	Paper	IF	Citations
51	Fucoxanthin Inhibits β-Amyloid Assembly and Attenuates β-Amyloid Oligomer-Induced Cognitive Impairments. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 4092-4102	5.7	64
50	Hydroxylated Single-Walled Carbon Nanotubes Inhibit Aβ Fibrillogenesis, Disaggregate Mature Fibrils, and Protect against Aβ-Induced Cytotoxicity. *ACS Chemical Neuroscience*, **2019**, 10, 588-598	5.7	44
49	Hematoxylin Inhibits Amyloid β-Protein Fibrillation and Alleviates Amyloid-Induced Cytotoxicity. *Journal of Physical Chemistry B*, **2016**, 120, 11360-11368	3.4	30
48	Ac-LVFFARK-NH conjugation to β-cyclodextrin exhibits significantly enhanced performance on inhibiting amyloid β-protein fibrillogenesis and cytotoxicity. *Biophysical Chemistry*, **2018**, 235, 40-47	3.5	29
47	Iminodiacetic acid-conjugated nanoparticles as a bifunctional modulator against Zn-mediated amyloid β-protein aggregation and cytotoxicity. *Journal of Colloid and Interface Science*, **2017**, 505, 973-982	8.3	26
46	Brazilin inhibits fibrillogenesis of human islet amyloid polypeptide, disassembles mature fibrils, and alleviates cytotoxicity. *RSC Advances*, **2017**, 7, 43491-43501	3.7	25
45	Inhibitory Effect of a Flavonoid Dihydromyricetin against Aβ40 Amyloidogenesis and Its Associated Cytotoxicity. *ACS Chemical Neuroscience*, **2019**, 10, 4696-4703	5.7	21
44	9-Methylfascaplysin Is a More Potent Aβ Aggregation Inhibitor than the Marine-Derived Alkaloid, Fascaplysin, and Produces Nanomolar Neuroprotective Effects in SH-SY5Y Cells. *Marine Drugs*, **2019**, 17,	6	20
43	Development and application of a CRISPR/Cas9 system for Bacillus licheniformis genome editing. *International Journal of Biological Macromolecules*, **2019**, 122, 329-337	7.9	19
42	Brazilin inhibits the Zn-mediated aggregation of amyloid β-protein and alleviates cytotoxicity. *Journal of Inorganic Biochemistry*, **2017**, 177, 183-189	4.2	17
41	Fascaplysin Derivatives Are Potent Multitarget Agents against Alzheimer's Disease: and Evidence. *ACS Chemical Neuroscience*, **2019**, 10, 4741-4756	5.7	17
40	Dihydromyricetin Inhibits α-Synuclein Aggregation, Disrupts Preformed Fibrils, and Protects Neuronal Cells in Culture against Amyloid-Induced Cytotoxicity. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 3946-3955	5.7	17
39	RTHLVFFARK-NH: A potent and selective modulator on Cu-mediated amyloid-β protein aggregation and cytotoxicity. *Journal of Inorganic Biochemistry*, **2018**, 181, 56-64	4.2	16
38	Adsorption of human serum albumin on functionalized single-walled carbon nanotubes reduced cytotoxicity. *Chemico-Biological Interactions*, **2018**, 295, 64-72	5	16
37	Modulation effect of acidulated human serum albumin on Cu-mediated amyloid β-protein aggregation and cytotoxicity under a mildly acidic condition. *Journal of Inorganic Biochemistry*, **2017**, 171, 67-75	4.2	15
36	Vitamin B12 inhibits α-synuclein fibrillogenesis and protects against amyloid-induced cytotoxicity. *Food and Function*, **2019**, 10, 2861-2870	6.1	15
35	Edaravone inhibits the conformational transition of amyloid-β42: insights from molecular dynamics simulations. *Journal of Biomolecular Structure and Dynamics*, **2020**, 38, 2377-2388	3.6	15

34	General Aggregation-Induced Emission Probes for Amyloid Inhibitors with Dual Inhibition Capacity against Amyloid Protein and Synuclein. *ACS Applied Materials & Interfaces*, **2020**, 12, 31182-31194	9.5	14
33	Cyanidin-3-O-glucoside inhibits A40 fibrillogenesis, disintegrates preformed fibrils, and reduces amyloid cytotoxicity. *Food and Function*, **2020**, 11, 2573-2587	6.1	13
32	Rational design of a Yarrowia lipolytica derived lipase for improved thermostability. *International Journal of Biological Macromolecules*, **2019**, 137, 1190-1198	7.9	12
31	Atomistic characterization of binding modes and affinity of peptide inhibitors to amyloid- protein. *Frontiers of Chemical Science and Engineering*, **2014**, 8, 433-444	4.5	12
30	Construction of the R17L mutant of MtC1LPMO for improved lignocellulosic biomass conversion by rational point mutation and investigation of the mechanism by molecular dynamics simulations. *Bioresource Technology*, **2020**, 317, 124024	11	12
29	Dual Effect of the Acidic Polysaccharose Ulvan on the Inhibition of Amyloid-Protein Fibrillation and Disintegration of Mature Fibrils. *ACS Applied Materials & Interfaces*, **2020**, 12, 41167-41176	9.5	12
28	Brazilin Inhibits Synuclein Fibrillogenesis, Disrupts Mature Fibrils, and Protects against Amyloid-Induced Cytotoxicity. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 11769-11777	5.7	11
27	An acid-stable glucosidase from Aspergillus aculeatus: Gene expression, biochemical characterization and molecular dynamics simulation. *International Journal of Biological Macromolecules*, **2018**, 119, 462-469	7.9	11
26	Amyloidogenicity and Cytotoxicity of a Recombinant C-Terminal His-Tagged A *ACS Chemical Neuroscience*, **2019**, 10, 1251-1262	5.7	10
25	5-Hydroxycyclopenicillone Inhibits Amyloid Oligomerization and Produces Anti-Amyloid Neuroprotective Effects In Vitro. *Molecules*, **2017**, 22,	4.8	7
24	Highly efficient soluble expression, purification and characterization of recombinant A42 from .. *RSC Advances*, **2018**, 8, 18434-18441	3.7	7
23	Assembly Pathway Selection of Designer Self-Assembling Peptide and Fabrication of Hierarchical Scaffolds for Neural Regeneration. *ACS Applied Materials & Interfaces*, **2018**, 10, 26128-26141	9.5	6
22	Aromadendrin: a dual amyloid promoter to accelerate fibrillization and reduce cytotoxicity of both amyloid- and hIAPP. *Materials Advances*, **2020**, 1, 1241-1252	3.3	6
21	Expression and purification of amyloid protein, tau, and synuclein in : a review. *Critical Reviews in Biotechnology*, **2020**, 40, 475-489	9.4	5
20	Significant combination of A aggregation inhibitory and neuroprotective properties in silico, in vitro and in vivo by bis(propyl)-cognitin, a multifunctional anti-Alzheimer's agent. *European Journal of Pharmacology*, **2020**, 876, 173065	5.3	5
19	Molecular Energetics of Doxorubicin Pumping by Human P-Glycoprotein. *Journal of Chemical Information and Modeling*, **2019**, 59, 3889-3898	6.1	5
18	Spo0A can efficiently enhance the expression of the alkaline protease gene aprE in Bacillus licheniformis by specifically binding to its regulatory region. *International Journal of Biological Macromolecules*, **2020**, 159, 444-454	7.9	5
17	Improving the activity and stability of Bacillus clausii alkaline protease using directed evolution and molecular dynamics simulation. *Enzyme and Microbial Technology*, **2021**, 147, 109787	3.8	5

16	The discovery and enzymatic characterization of a novel AA10 LPMO from Bacillus amyloliquefaciens with dual substrate specificity.. *International Journal of Biological Macromolecules*, **2022**,	7.9	3
15	Enhancing the thermostability of phospholipase D from Streptomyces halstedii by directed evolution and elucidating the mechanism of a key amino acid residue using molecular dynamics simulation. *International Journal of Biological Macromolecules*, **2020**, 164, 3065-3074	7.9	3
14	Enzymatic characterization, molecular dynamics simulation, and application of a novel Bacillus licheniformis laccase. *International Journal of Biological Macromolecules*, **2021**, 167, 1393-1405	7.9	3
13	Insight into enzyme-catalyzed aziridine formation mechanism in ficellomycin biosynthesis. *European Journal of Medicinal Chemistry*, **2020**, 204, 112639	6.8	2
12	Design of carboxylated single-walled carbon nanotubes as highly efficient inhibitors against A40 fibrillation based on the HyBER mechanism. *Journal of Materials Chemistry B*, **2021**, 9, 6902-6914	7.3	2
11	Fast green FCF inhibits A fibrillogenesis, disintegrates mature fibrils, reduces the cytotoxicity, and attenuates A induced cognitive impairment in mice. *International Journal of Biological Macromolecules*, **2021**, 170, 33-41	7.9	2
10	Molecular basis for the inhibitory effects of 5-hydroxycyclopenicillone on the conformational transition of A monomer. *Journal of Biomolecular Structure and Dynamics*, **2021**, 39, 6440-6451	3.6	1
9	Molecular Mediation of Prion-like Synuclein Fibrillation from Toxic PFFs to Nontoxic Species.. *ACS Applied Bio Materials*, **2020**, 3, 6096-6102	4.1	1
8	Engineered variants of a lipase from Yarrowia lipolytica with improved trypsin resistance for enzyme replacement therapy. *Protein Engineering, Design and Selection*, **2019**, 32, 375-383	1.9	1
7	Evans Blue Might Produce Pathologically Activated Neuroprotective Effects via the Inhibition of the P2X4R/p38 Signaling Pathway. *Cellular and Molecular Neurobiology*, **2021**, 41, 293-307	4.6	1
6	Molecular Insights into the Inhibitory Effect of GV971 Components Derived from Marine Acidic Oligosaccharides against the Conformational Transition of A42 Monomers. *ACS Chemical Neuroscience*, **2021**, 12, 3772-3784	5.7	1
5	The food additive fast green FCF inhibits synuclein aggregation, disassembles mature fibrils and protects against amyloid-induced neurotoxicity. *Food and Function*, **2021**, 12, 5465-5477	6.1	1
4	Cross-linked enzyme aggregates immobilization: preparation, characterization, and applications.. *Critical Reviews in Biotechnology*, **2022**, 1-15	9.4	1
3	Design and synthesis of novel tacrine-dipicolylamine dimers that are multiple-target-directed ligands with potential to treat Alzheimer's disease. *Bioorganic Chemistry*, **2021**, 116, 105387	5.1	0
2	Rational design of signal peptides for improved MtC1LPMO production in Bacillus amyloliquefaciens. *International Journal of Biological Macromolecules*, **2021**, 175, 262-269	7.9	0
1	DFT investigation on the carbonate radical formation in the system containing carbon dioxide and hydroxyl free radical.. *Journal of Molecular Graphics and Modelling*, **2022**, 114, 108182	2.8	