# Fufeng Liu

## List of Publications by Year in Descending Order



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| 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 | 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 |
| 50 | 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 | |
| 49 | Cross-linked enzyme aggregates immobilization: preparation, characterization, and applications.. *Critical Reviews in Biotechnology*, **2022**, 1-15 | 9.4 | 1 |
| 48 | 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 |
| 47 | 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 |
| 46 | Rational design of signal peptides for improved MtC1LPMO production in Bacillus amyloliquefaciens. *International Journal of Biological Macromolecules*, **2021**, 175, 262-269 | 7.9 | 0 |
| 45 | 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 |
| 44 | 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 |
| 43 | 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 |
| 42 | 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 |
| 41 | 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 |
| 40 | 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 |
| 39 | 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 |
| 38 | Expression and purification of amyloid protein, tau, and synuclein in : a review. *Critical Reviews in Biotechnology*, **2020**, 40, 475-489 | 9.4 | 5 |
| 37 | 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 |
| 36 | Cyanidin-3-O-glucoside inhibits A40 fibrillogenesis, disintegrates preformed fibrils, and reduces amyloid cytotoxicity. *Food and Function*, **2020**, 11, 2573-2587 | 6.1 | 13 |
| 35 | 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 |

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| 34 | 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 |
| 33 | 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 |
| 32 | Insight into enzyme-catalyzed aziridine formation mechanism in ficellomycin biosynthesis. *European Journal of Medicinal Chemistry*, **2020**, 204, 112639 | 6.8 | 2 |
| 31 | Molecular Mediation of Prion-like □Synuclein Fibrillation from Toxic PFFs to Nontoxic Species.. *ACS Applied Bio Materials*, **2020**, 3, 6096-6102 | 4.1 | 1 |
| 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 | 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 |
| 28 | 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 |
| 27 | Edaravone inhibits the conformational transition of amyloid-□42: insights from molecular dynamics simulations. *Journal of Biomolecular Structure and Dynamics*, **2020**, 38, 2377-2388 | 3.6 | 15 |
| 26 | Fascaplysin Derivatives Are Potent Multitarget Agents against Alzheimer\'s Disease: and Evidence. *ACS Chemical Neuroscience*, **2019**, 10, 4741-4756 | 5.7 | 17 |
| 25 | 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 |
| 24 | Vitamin B12 inhibits □synuclein fibrillogenesis and protects against amyloid-induced cytotoxicity. *Food and Function*, **2019**, 10, 2861-2870 | 6.1 | 15 |
| 23 | Dihydromyricetin Inhibits □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 |
| 22 | 9-Methylfascaplysin Is a More Potent A□Aggregation Inhibitor than the Marine-Derived Alkaloid, Fascaplysin, and Produces Nanomolar Neuroprotective Effects in SH-SY5Y Cells. *Marine Drugs*, **2019** , 17, | 6 | 20 |
| 21 | Molecular Energetics of Doxorubicin Pumping by Human P-Glycoprotein. *Journal of Chemical Information and Modeling*, **2019**, 59, 3889-3898 | 6.1 | 5 |
| 20 | Rational design of a Yarrowia lipolytica derived lipase for improved thermostability. *International Journal of Biological Macromolecules*, **2019**, 137, 1190-1198 | 7.9 | 12 |
| 19 | Inhibitory Effect of a Flavonoid Dihydromyricetin against A□40 Amyloidogenesis and Its Associated Cytotoxicity. *ACS Chemical Neuroscience*, **2019**, 10, 4696-4703 | 5.7 | 21 |
| 18 | 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 |
| 17 | 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 |

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| 16 | Hydroxylated Single-Walled Carbon Nanotubes Inhibit A Fibrillogenesis, Disaggregate Mature Fibrils, and Protect against A nduced Cytotoxicity. *ACS Chemical Neuroscience*, **2019**, 10, 588-598 | 5.7 | 44 |
| 15 | Amyloidogenicity and Cytotoxicity of a Recombinant C-Terminal His-Tagged A *ACS Chemical Neuroscience*, **2019**, 10, 1251-1262 | 5.7 | 10 |
| 14 | Ac-LVFFARK-NH conjugation to cyclodextrin exhibits significantly enhanced performance on inhibiting amyloid protein fibrillogenesis and cytotoxicity. *Biophysical Chemistry*, **2018**, 235, 40-47 | 3.5 | 29 |
| 13 | RTHLVFFARK-NH: A potent and selective modulator on Cu-mediated amyloid- protein aggregation and cytotoxicity. *Journal of Inorganic Biochemistry*, **2018**, 181, 56-64 | 4.2 | 16 |
| 12 | Adsorption of human serum albumin on functionalized single-walled carbon nanotubes reduced cytotoxicity. *Chemico-Biological Interactions*, **2018**, 295, 64-72 | 5 | 16 |
| 11 | 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 |
| 10 | 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 |
| 9 | Highly efficient soluble expression, purification and characterization of recombinant A 2 from .. *RSC Advances*, **2018**, 8, 18434-18441 | 3.7 | 7 |
| 8 | Fucoxanthin Inhibits Amyloid Assembly and Attenuates Amyloid Oligomer-Induced Cognitive Impairments. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 4092-4102 | 5.7 | 64 |
| 7 | Modulation effect of acidulated human serum albumin on Cu-mediated amyloid protein aggregation and cytotoxicity under a mildly acidic condition. *Journal of Inorganic Biochemistry*, **2017** , 171, 67-75 | 4.2 | 15 |
| 6 | Brazilin inhibits the Zn-mediated aggregation of amyloid protein and alleviates cytotoxicity. *Journal of Inorganic Biochemistry*, **2017**, 177, 183-189 | 4.2 | 17 |
| 5 | Brazilin inhibits fibrillogenesis of human islet amyloid polypeptide, disassembles mature fibrils, and alleviates cytotoxicity. *RSC Advances*, **2017**, 7, 43491-43501 | 3.7 | 25 |
| 4 | Iminodiacetic acid-conjugated nanoparticles as a bifunctional modulator against Zn-mediated amyloid protein aggregation and cytotoxicity. *Journal of Colloid and Interface Science*, **2017**, 505, 973-982 | 9.3 | 26 |
| 3 | 5-Hydroxycyclopenicillone Inhibits Amyloid Oligomerization and Produces Anti-Amyloid Neuroprotective Effects In Vitro. *Molecules*, **2017**, 22, | 4.8 | 7 |
| 2 | Hematoxylin Inhibits Amyloid Protein Fibrillation and Alleviates Amyloid-Induced Cytotoxicity. *Journal of Physical Chemistry B*, **2016**, 120, 11360-11368 | 3.4 | 30 |
| 1 | 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 |