Lingling Feng

List of Publications by Year
in descending order

32 papers	828 citations	567281 15 h-index	501196 28 g-index
32 all docs	32 docs citations	32 times ranked	1120 citing authors

#	Article	IF	Citations
1	Overexpression of SBPase enhances photosynthesis against high temperature stress in transgenic rice plants. Plant Cell Reports, 2007, 26, 1635-1646.	5.6	153
2	Overexpression of sedoheptulose-1,7-bisphosphatase enhances photosynthesis and growth under salt stress in transgenic rice plants. Functional Plant Biology, 2007, 34, 822.	2.1	93
3	Functionalized graphene oxide modified polysebacic anhydride as drug carrier for levofloxacin controlled release. RSC Advances, 2011, 1, 1737.	3.6	57
4	Design, synthesis and biological evaluation of novel 2-methylpyrimidine-4-ylamine derivatives as inhibitors of Escherichia coli pyruvate dehydrogenase complex E1. Bioorganic and Medicinal Chemistry, 2012, 20, 1665-1670.	3.0	39
5	Structural and biochemical characterization of fructoseâ€1,6/sedoheptuloseâ€1,7â€“bisphosphatase from the cyanobacterium <scp>S</scp>ynechocystis strain 6803. FEBS Journal, 2014, 281, 916-926.	4.7	38
6	Simultaneous Microcystin Degradation and Microcystis aeruginosa Inhibition with the Single Enzyme Microcystinase A. Environmental Science & Technology, 2020, 54, 8811-8820.	10.0	36
7	Rapid Catalytic Microwave Method To Damage Microcystis aeruginosa with FeCl₃-Loaded Active Carbon. Environmental Science & Technology, 2011, 45, 4521-4526.	10.0	35
8	Rational design, synthesis and biological evaluation of 1,3,4-oxadiazole pyrimidine derivatives as novel pyruvate dehydrogenase complex E1 inhibitors. Bioorganic and Medicinal Chemistry, 2016, 24, 1879-1888.	3.0	31
9	Structure-Based Rational Design of Novel Inhibitors Against Fructose-1,6-Bisphosphate Aldolase from Candida albicans. Journal of Chemical Information and Modeling, 2017, 57, 1426-1438.	5.4	28
10	Structure-Based Design and Synthesis of Novel Dual-Target Inhibitors against Cyanobacterial Fructose-1,6-Bisphosphate Aldolase and Fructose-1,6-Bisphosphatase. Journal of Agricultural and Food Chemistry, 2013, 61, 7453-7461.	5.2	24
11	Structure-based rational design of novel hit compounds for pyruvate dehydrogenase multienzyme complex E1 components from Escherichia coli. Bioorganic and Medicinal Chemistry, 2011, 19, 7501-7506.	3.0	23
12	Discovery of a Small-Molecule BMP Sensitizer for Human Embryonic Stem Cell Differentiation. Cell Reports, 2016, 15, 2063-2075.	6.4	22
13	Reduction in SBPase Activity by Antisense RNA in Transgenic Rice Plants: Effect on Photosynthesis, Growth, and Biomass Allocation at Different Nitrogen Levels. Journal of Plant Biology, 2009, 52, 382-394.	2.1	20
14	Structure-Based Design and Screen of Novel Inhibitors for Class II 3-Hydroxy-3-methylglutaryl Coenzyme A Reductase from Streptococcus Pneumoniae. Journal of Chemical Information and Modeling, 2012, 52, 1833-1841.	5.4	19
15	Design and synthesis of highly selective pyruvate dehydrogenase complex E1 inhibitors as bactericides. Bioorganic and Medicinal Chemistry, 2018, 26, 84-95.	3.0	18
16	Design, Synthesis, and Antifungal Activity of 2,6-Dimethyl-4-aminopyrimidine Hydrazones as PDHc-E1 Inhibitors with a Novel Binding Mode. Journal of Agricultural and Food Chemistry, 2021, 69, 5804-5817.	5.2	18
17	Identification of the New Covalent Allosteric Binding Site of Fructose-1,6-bisphosphatase with Disulfiram Derivatives toward Glucose Reduction. Journal of Medicinal Chemistry, 2020, 63, 6238-6247.	6.4	17
18	Synthesis and Activity of 1,2,3-Triazole Aminopyrimidines against Cyanobacteria as PDHc-E1 Competitive Inhibitors. Journal of Agricultural and Food Chemistry, 2019, 67, 12538-12546.	5.2	16

#	Article	IF	Citations
19	A Rational Design, Synthesis, Biological Evaluation and Structureâ€“Activity Relationship Study of Novel Inhibitors against Cyanobacterial Fructose-1,6-bisphosphate Aldolase. Journal of Chemical Information and Modeling, 2016, 56, 73-81.	5.4	14
20	Design, Synthesis, and Potency of Pyruvate Dehydrogenase Complex E1 Inhibitors against Cyanobacteria. Biochemistry, 2017, 56, 6491-6502.	2.5	13
21	Discovery of novel allosteric site and covalent inhibitors of FBPase with potent hypoglycemic effects. European Journal of Medicinal Chemistry, 2019, 184, 111749.	5.5	13
22	Specific inhibitions of annonaceous acetogenins on class II 3-hydroxy-3-methylglutaryl coenzyme A reductase from Streptococcus pneumoniae. Bioorganic and Medicinal Chemistry, 2011, 19, 3512-3519.	3.0	12
23	Design, synthesis, biological evaluation and molecular docking of amide and sulfamide derivatives as Escherichia coli pyruvate dehydrogenase complex E1 inhibitors. RSC Advances, 2016, 6, 4310-4320.	3.6	12
24	Design, synthesis and algicides activities of thiourea derivatives as the novel scaffold aldolase inhibitors. Bioorganic and Medicinal Chemistry, 2019, 27, 805-812.	3.0	12
25	The design, synthesis and biological evaluation of novel thiamin diphosphate analog inhibitors against the pyruvate dehydrogenase multienzyme complex E1 from Escherichia coli. Organic and Biomolecular Chemistry, 2014, 12, 8911-8918.	2.8	11
26	New insight into the binding modes of TNP-AMP to human liver fructose-1,6-bisphosphatase. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 165, 155-160.	3.9	11
27	Synthesis and biological evaluation of novel inhibitors against 1,3,8-trihydroxynaphthalene reductase from Magnaporthe grisea. Bioorganic and Medicinal Chemistry, 2016, 24, 1225-1230.	3.0	10
28	Design, synthesis and biological evaluation of novel inhibitors against cyanobacterial pyruvate dehydrogenase multienzyme complex E1. Bioorganic and Medicinal Chemistry, 2019, 27, 2413-2420.	3.0	10
29	Structure optimization and bioactivity evaluation of ThDP analogs targeting cyanobacterial pyruvate dehydrogenase E1. Bioorganic and Medicinal Chemistry, 2019, 27, 115159.	3.0	9
30	Design, synthesis, high algicidal potency, and putative mode of action of new 2-cyclopropyl-4-aminopyrimidine hydrazones. Pesticide Biochemistry and Physiology, 2022, 184, 105098.	3.6	6
31	In silico screening of a novel scaffold for fructose-1,6-bisphosatase (FBPase) inhibitors. Journal of Molecular Graphics and Modelling, 2019, 86, 142-148.	2.4	5
32	Bis(3-nitroanilinium) sulfate. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1086-o1086.	0.2	3