Lei Fu

List of Publications by Year
in descending order

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73 papers	2,466 citations	257450 24 h-index	206112 48 g-index
84 all docs	84 docs citations	84 times ranked	2645 citing authors

#	Article	IF	Citations
1	Functional Analogues of CytochromecOxidase, Myoglobin, and Hemoglobin. Chemical Reviews, 2004, 104, 561-588.	47.7	635
2	Synthetic Models for Hemoglobin and Myoglobin. Accounts of Chemical Research, 1999, 32, 455-463.	15.6	196
3	A Functional Model Related to Cytochrome c Oxidase and Its Electrocatalytic Four-Electron Reduction of O2. Science, 1997, 275, 949-951.	12.6	193
4	Close Structural Analogues of the CytochromecOxidase Fea3/CuBCenter Show Clean 4e-Electroreduction of O2to H2O at Physiological pH. Journal of the American Chemical Society, 1999, 121, 1387-1388.	13.7	96
5	Synthetic Analog for the Oxygen Binding Site in Cytochrome c Oxidase. Journal of the American Chemical Society, 1994, 116, 9783-9784.	13.7	91
6	Dioxygen and carbon monoxide binding in dendritic iron(ii)porphyrins. Chemical Communications, 1997, , 193-194.	4.1	79
7	Dendritic Iron(II) Porphyrins as Models for Hemoglobin and Myoglobin: Specific Stabilization of O2 Complexes in Dendrimers with H-Bond-Donor Centers. Helvetica Chimica Acta, 2002, 85, 333-351.	1.6	76
8	Synthesis and antimicrobial evaluation of new benzofuran derivatives. European Journal of Medicinal Chemistry, 2011, 46, 3526-3530.	5.5	75
9	Aza-Crown-Capped Porphyrin Models of Myoglobin:â€‰ Studies of the Steric Interactions of Gas Binding. Journal of the American Chemical Society, 1997, 119, 3481-3489.	13.7	66
10	A Functional Model of Cytochrome c Oxidase: Thermodynamic Implications. Angewandte Chemie - International Edition, 1998, 37, 3397-3400.	13.8	61
11	Optimisation of ultrasound-assisted extraction conditions for maximal recovery of active monacolins and removal of toxic citrinin from red yeast rice by a full factorial design coupled with response surface methodology. Food Chemistry, 2015, 170, 186-192.	8.2	49
12	Novel Protecting Strategy for the Synthesis of Porphyrins with Different Distal and Proximal Superstructures. Journal of Organic Chemistry, 1998, 63, 8082-8083.	3.2	41
13	Imidazole Acid Chlorides:Â Preparation and Application in the Syntheses of Biomimetic Heme Models. Journal of Organic Chemistry, 1998, 63, 8084-8085.	3.2	41
14	Design, synthesis and antimicrobial evaluation of novel benzoxazole derivatives. European Journal of Medicinal Chemistry, 2017, 126, 7-14.	5.5	41
15	Moderation of mitochondrial respiration mitigates metabolic syndrome of aging. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9840-9850.	7.1	41
16	Palladium-Catalyzed Amidation of Aryl Halides Using 2-Dialkylphosphino-2â€²-alkoxyl-1,1â€²-binaphthyl as Ligands. Journal of Organic Chemistry, 2012, 77, 5279-5285.	3.2	38
17	Design, synthesis and antimicrobial activity of chiral 2-(substituted-hydroxyl)-3-(benzo[d]oxazol-5-yl)propanoic acid derivatives. European Journal of Medicinal Chemistry, 2011, 46, 3639-3650.	5.5	33
18	New 1,4,7-triazacyclononane-based functional analogues of the Fe/Cu active site of cytochrome c oxidase: structure, spectroscopy and electrocatalytic reduction of oxygen. Chemical Communications, 1999, , 137-138.	4.1	31

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19	The Chloroacetamido Group as a New Linker for the Synthesis of Hemoprotein Analogues. Journal of Organic Chemistry, 1997, 62, 2308-2309.	3.2	29
20	Photodegradable CuS SERS Probes for Intraoperative Residual Tumor Detection, Ablation, and Self-Clearance. ACS Applied Materials & Interfaces, 2019, 11, 23436-23444.	8.0	28
21	Synthesis and antimicrobial evaluation of 3-methanone-6-substituted-benzofuran derivatives. European Journal of Medicinal Chemistry, 2012, 54, 879-886.	5.5	26
22	Antiproliferative activity and SARs of caffeic acid esters with mono-substituted phenylethanols moiety. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 131-134.	2.2	26
23	Synthesis, biological evaluation and molecular docking analysis of 2-phenyl-benzofuran-3-carboxamide derivatives as potential inhibitors of Staphylococcus aureus Sortase A. Bioorganic and Medicinal Chemistry, 2017, 25, 1341-1351.	3.0	25
24	Cytotoxicity of Triterpenes from Green Walnut Husks of Juglans mandshurica Maxim in HepG-2 Cancer Cells. Molecules, 2015, 20, 19252-19262.	3.8	24
25	Design, synthesis, and evaluation of 2-substituted ethenesulfonic acid ester derivatives as protein tyrosine phosphatase 1B inhibitors. European Journal of Medicinal Chemistry, 2012, 57, 10-20.	5.5	23
26	Application of the ultrafiltration-based LC-MS approach for screening PTP1B inhibitors from Chinese red yeast rice. Analytical Methods, 2016, 8, 353-361.	2.7	21
27	Anti-diabetic potential of Pueraria lobata root extract through promoting insulin signaling by PTP1B inhibition. Bioorganic Chemistry, 2019, 87, 12-15.	4.1	20
28	Synthesis, biological evaluation and molecular docking of 2-phenyl-benzo[d]oxazole-7-carboxamide derivatives as potential Staphylococcus aureus Sortase A inhibitors. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 4081-4085.	2.2	18
29	[RuCl₂(<i>p-</i>cymene)]₂-Catalyzed Conjugate Addition of Arylboronic Acids to Î±,Î²-Unsaturated Ketones under Ligand-Free and Neutral Conditions. Journal of Organic Chemistry, 2013, 78, 3434-3437.	3.2	17
30	Quinoxaline-2,3-diones: potential d-amino acid oxidase (DAAO) inhibitors. Medicinal Chemistry Research, 2014, 23, 4977-4989.	2.4	17
31	Structural optimization of pyrazolo[1,5-a]pyrimidine derivatives as potent and highly selective DPP-4 inhibitors. European Journal of Medicinal Chemistry, 2020, 208, 112850.	5.5	17
32	Investigation of stereoisomeric bisarylethenesulfonic acid esters for discovering potent and selective PTP1B inhibitors. European Journal of Medicinal Chemistry, 2019, 164, 408-422.	5.5	16
33	Synthesis and pharmacological characterization of novel N -(trans -4-(2-(4-(benzo[d) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 1 antipsychotics. European Journal of Medicinal Chemistry, 2016, 123, 332-353.	5.5	15
34	Plasmalogens Eliminate Aging-Associated Synaptic Defects and Microglia-Mediated Neuroinflammation in Mice. Frontiers in Molecular Biosciences, 2022, 9, 815320.	3.5	15
35	Surrogating and redirection of pyrazolo[1,5- a]pyrimidin-7(4 H)-one core, a novel class of potent and selective DPP-4 inhibitors. Bioorganic and Medicinal Chemistry, 2018, 26, 903-912.	3.0	13
36	Cultural Sensitivity and Global Pharmacy Engagement in Asia: China, Japan, South Korea, and Taiwan. American Journal of Pharmaceutical Education, 2019, 83, 7214.	2.1	13

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37	Functional models for the oxygen binding/activating hemeproteins, myoglobin and cytochrome c oxidase. Journal of Molecular Catalysis A, 1997, 117, 9-20.	4.8	12
38	Synthesis, biological evaluation and molecular modeling of benzofuran piperidine derivatives as AÎ² antiaggregant. European Journal of Medicinal Chemistry, 2021, 222, 113541.	5.5	12
39	Synthesis and Cytotoxicity Studies of New Cryptophycin Analogues. Archiv Der Pharmazie, 2009, 342, 577-583.	4.1	11
40	Discovery of 2-ethoxy-4-(methoxymethyl)benzamide derivatives as potent and selective PTP1B inhibitors. Bioorganic Chemistry, 2019, 92, 103273.	4.1	11
41	Drug discovery approaches targeting the incretin pathway. Bioorganic Chemistry, 2020, 99, 103810.	4.1	11
42	Development and Kilogram-Scale Synthesis of a D₂/5-HT_{2A} Receptor Dual Antagonist (Â±)-SIPI 6360. Organic Process Research and Development, 2016, 20, 1662-1667.	2.7	10
43	Discovery of small molecules targeting GRP78 for antiangiogenic and anticancer therapy. European Journal of Medicinal Chemistry, 2020, 193, 112228.	5.5	10
44	LC-MS based assay method for DPP-IV inhibitor screening and substrate discovery. Analytical Methods, 2012, 4, 1797.	2.7	9
45	Synthesis and biological evaluation of geniposide derivatives as potent and selective PTPlB inhibitors. European Journal of Medicinal Chemistry, 2020, 205, 112508.	5.5	9
46	Ru-catalyzed 1,4-addition of arylboronic acids to acrylic acid derivatives in the presence of phenols. Chemical Communications, 2013, 49, 8797.	4.1	8
47	Y-shaped bis-arylethenesulfonic acid esters: Potential potent and membrane permeable protein tyrosine phosphatase 1B inhibitors. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 2166-2170.	2.2	8
48	Discovery of Sortase A covalent inhibitors with benzofuranene cyanide structures as potential antibacterial agents against Staphylococcus aureus. European Journal of Medicinal Chemistry, 2022, 229, 114032.	5.5	8
49	A facile synthesis of novel tricyclic 4-pyridones. Tetrahedron Letters, 2014, 55, 7194-7197.	1.4	7
50	Ultracentrifugation-based multi-target affinity selection mass spectrometry. RSC Advances, 2015, 5, 107616-107622.	3.6	6
51	A New and Practical Synthesis of Cariprazine through the Facile Construction of 2-[trans-4-(3,3-Dimethylureido)cyclohexyl]acetic Acid. Synthesis, 2016, 48, 3120-3126.	2.3	6
52	Inhibition of vertebrate aldehyde oxidase as a therapeutic treatment for cancer, obesity, aging and amyotrophic lateral sclerosis. European Journal of Medicinal Chemistry, 2020, 187, 111948.	5.5	6
53	Structure elucidation and formation mechanistic study of a methylene-bridged pregabalin dimeric degradant in pregabalin extended-release tablets. International Journal of Pharmaceutics, 2020, 575, 118910.	5.2	6
54	Biological evaluation of mitochondria targeting small molecules as potent anticancer drugs. Bioorganic Chemistry, 2021, 114, 105055.	4.1	6

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55	Discovery of quinazolinyl-containing benzamides derivatives as novel HDAC1 inhibitors with in vitro and in vivo antitumor activities. Bioorganic Chemistry, 2021, 117, 105407.	4.1	6
56	A Rapid and Practical Catalytic Esterification for the Preparation of Caffeic Acid Esters. Journal of Chemical Research, 2014, 38, 695-700.	1.3	5
57	Discovery and analgesic evaluation of 8-chloro-1,4-dihydropyrido[2,3- b]pyrazine-2,3-dione as a novel potent d -amino acid oxidase inhibitor. European Journal of Medicinal Chemistry, 2016, 117, 19-32.	5.5	5
58	Identification of lipid-like salicylic acid-based derivatives as potent and membrane-permeable PTP1B inhibitors. Bioorganic Chemistry, 2019, 93, 103296.	4.1	5
59	Utilization of mitochondrial-targeted small molecules in protecting stored platelets against storage lesions. European Journal of Medicinal Chemistry Reports, 2022, 6, 100070.	1.4	4
60	Mitochondrial Respiration Inhibition Suppresses Papillary Thyroid Carcinoma Via PI3K/Akt/FoxO1/Cyclin D1 Pathway. Frontiers in Oncology, 0, 12, .	2.8	4
61	Synthesis and Biological Evaluation of Novel Selenonucleosides. Nucleosides, Nucleotides and Nucleic Acids, 2008, 27, 1001-1008.	1.1	3
62	Synthesis and antimicrobial evaluation of 3-substituted-imine-6-hydroxy-benzofuran derivatives. Medicinal Chemistry Research, 2016, 25, 2485-2497.	2.4	3
63	Efficient Synthesis of Substituted Morpholine Derivatives via an Indium(III)-catalyzed Reductive Etherification Reaction. Chemistry Letters, 2020, 49, 709-712.	1.3	3
64	Design, synthesis and antitumor activities of thiazole-containing mitochondrial targeting agents. Bioorganic Chemistry, 2021, 115, 105271.	4.1	3
65	A tacrine-tetrahydroquinoline heterodimer potently inhibits acetylcholinesterase activity and enhances neurotransmission in mice. European Journal of Medicinal Chemistry, 2021, 226, 113827.	5.5	3
66	One-Pot Enzymatic Synthesis and Biological Evaluation of Ganglioside GM3 Derivatives as Potential Cancer Immunotherapeutics. Journal of Medicinal Chemistry, 2022, 65, 1883-1897.	6.4	3
67	Identification of 2-substituted ethenesulfonic acid ester derivatives as novel, potent and selective inhibitors of protein tyrosine phosphatase 1B. Die Pharmazie, 2015, 70, 777-83.	0.5	3
68	One-Pot Synthesis of Hydroxybenzo[d]-oxazole-2-aliphatic Acid Derivatives by Meerwein's Reagent. Synthetic Communications, 2012, 42, 2772-2779.	2.1	2
69	Small-Molecule Amyloid Beta-Aggregation Inhibitors in Alzheimer's Disease Drug Development. Pharmaceutical Fronts, 2019, 01, e22-e32.	0.8	2
70	Synthesis of bridged bicyclic amino alcohols as compact modules for medicinal chemistry. Synthetic Communications, 2019, 49, 12-21.	2.1	2
71	Design, synthesis and biological evaluation of novel thiazole-derivatives as mitochondrial targeting inhibitors of cancer cells. Bioorganic Chemistry, 2021, 114, 105015.	4.1	2
72	Design, synthesis, and biological evaluation of 2-substituted ethenesulfonic acid ester derivatives as selective PTP1B inhibitors. Die Pharmazie, 2015, 70, 446-51.	0.5	2

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73	Functional Analogues of Cytochrome c Oxidase, Myoglobin, and Hemoglobin. ChemInform, 2004, 35, no.	0.0	1