

Lisheng Cai

List of Publications by Year in descending order

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26
papers

1,336
citations

471509

17
h-index

552781

26
g-index

29
all docs

29
docs citations

29
times ranked

1647
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemistry with [¹⁸ F]Fluoride Ion. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 2853-2873.	2.4	413
2	Radioligand Development for PET Imaging of β -Amyloid (A β)-Current Status. <i>Current Medicinal Chemistry</i> , 2007, 14, 19-52.	2.4	126
3	PET imaging of brain with the β -amyloid probe, [11C]6-OH-BTA-1, in a transgenic mouse model of Alzheimer's disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2005, 32, 593-600.	6.4	119
4	An efficient and convenient synthesis of formamidines. <i>Tetrahedron Letters</i> , 1997, 38, 5423-5426.	1.4	106
5	Synthesis and Evaluation of Two ¹⁸ F-Labeled 6-Iodo-2-(4-(N,N-dimethylamino)phenylimidazo[1,2-a]pyridine Derivatives as Prospective Radioligands for β -Amyloid in Alzheimer's Disease. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 2208-2218.	6.4	91
6	A convenient one-pot procedure for the synthesis of 2-aryl quinazolines using active MnO ₂ as oxidant. <i>Journal of Heterocyclic Chemistry</i> , 2010, 47, 1240-1245.	2.6	67
7	Synthesis and Electron Delocalization of [Fe ₄ S ₄]-S-Fe(III) Bridged Assemblies Related to the Exchange-Coupled Catalytic Site of Sulfite Reductases. <i>Journal of the American Chemical Society</i> , 1994, 116, 7177-7188.	13.7	61
8	Synthesis of a [Fe ₄ S ₄]-Ferriheme Bridged Assembly Containing an Isobacteriochlorin Component: A Further Analogue of the Active Site of Sulfite Reductase. <i>Inorganic Chemistry</i> , 1996, 35, 2767-2772.	4.0	41
9	Synthesis and Structure-Affinity Relationships of New 4-(6-Iodo-2-(4-(N,N-dimethylamino)phenylimidazo[1,2-a]pyridin-2-yl)-N,N-dimethylbenzeneamine Derivatives as Ligands for Human β -Amyloid Plaques. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 4746-4758.	6.4	41
10	Dication C(R ₁)N(R ₂) ₂ Synthons and their use in the Synthesis of Formamidines, Amidines, and β -Aminonitriles. <i>Tetrahedron</i> , 2000, 56, 8253-8262.	1.9	31
11	Rapid palladium-catalyzed cross-coupling in the synthesis of aryl thioethers under microwave conditions. <i>Tetrahedron Letters</i> , 2006, 47, 4449-4452.	1.4	30
12	Synthesis and Evaluation of N-Methyl and S-Methyl ¹¹ C-Labeled 6-Methylthio-2-(4-(N,N-dimethylamino)phenylimidazo[1,2-a]pyridines as Radioligands for Imaging β -Amyloid Plaques in Alzheimer's Disease. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 148-158.	6.4	28
13	Synthesis and in Vitro Antitumor Activity of Oligonucleotide-Tethered and Related Platinum Complexes. <i>Journal of Medicinal Chemistry</i> , 2001, 44, 2959-2965.	6.4	25
14	Chiral enrichment of 2-amino-2-hydroxy-1,1'-binaphthyl. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 2035-2042.	1.8	23
15	Candidate PET Radioligand Development for Neurofibrillary Tangles: Two Distinct Radioligand Binding Sites Identified in Postmortem Alzheimer's Disease Brain. <i>ACS Chemical Neuroscience</i> , 2016, 7, 897-911.	3.5	22
16	Analogs of bridged biological active site assemblies: the Fe ₄ S ₄ -sulfide-heme unit. <i>Journal of the American Chemical Society</i> , 1993, 115, 9289-9290.	13.7	20
17	Highly Efficient N-Monomethylation of Primary Aryl Amines. <i>Chinese Journal of Chemistry</i> , 2009, 27, 1339-1344.	4.9	20
18	Brain and whole-body imaging in nonhuman primates with [11C]MeS-IMPY, a candidate radioligand for β -amyloid plaques. <i>Nuclear Medicine and Biology</i> , 2007, 34, 681-689.	0.6	18

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19	Evaluation of ^{11}C -NR2B-SMe and Its Enantiomers as PET Radioligands for Imaging the NR2B Subunit Within the NMDA Receptor Complex in Rats. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1212-1220.	5.0	15
20	Lipophilic Analogs of Thioflavin S as Novel Amyloid-Imaging Agents. <i>Current Alzheimer Research</i> , 2006, 3, 259-266.	1.4	12
21	Synthesis, characterization of (R)-2,2'-diamino-1,1'-binaphthyl mono-sulfonamide and its ruthenium complex and evaluation of the catalytic properties in transfer hydrogenation reactions. <i>Journal of Organometallic Chemistry</i> , 1998, 568, 77-86.	1.8	8
22	The chemistry of labeling heterocycles with carbon-11 or fluorine-18 for biomedical imaging. <i>Advances in Heterocyclic Chemistry</i> , 2020, 132, 241-384.	1.7	7
23	New N-aryl-N-(3-(substituted)phenyl)-N-methylguanidines as leads to potential PET radioligands for imaging the open NMDA receptor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 225-228.	2.2	5
24	Palladium-catalyzed Coupling between Aryl Halides and Trimethylsilylacetylene Assisted by Dimethylaminotrimethyltin. <i>Chinese Journal of Chemistry</i> , 2011, 29, 1059-1062.	4.9	3
25	One Pot Synthesis of 1-Chloro-2-Chlorocarboxy-4H-Quinolizin-4-One and Its Derivatives. <i>Synthetic Communications</i> , 2000, 30, 3985-3995.	2.1	2
26	Palladium-catalyzed Substitution of Ketone or Aldehyde Bearing Aryl Triflates by Amines or Amides. <i>Chinese Journal of Chemistry</i> , 2009, 27, 403-407.	4.9	2