Liang Cheng

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1161933/publications.pdf

Version: 2024-02-01

47 papers	1,121 citations	471509 17 h-index	414414 32 g-index
61 all docs	61 docs citations	61 times ranked	1157 citing authors

#	Article	IF	Citations
1	Highly Enantioselective and Organocatalytic Î±-Amination of 2-Oxindoles. Organic Letters, 2009, 11, 3874-3877.	4.6	192
2	Enantioselective Organocatalytic anti-Mannich-Type Reaction of N-Unprotected 3-Substituted 2-Oxindoles with Aromatic N-Ts-aldimines. Journal of Organic Chemistry, 2009, 74, 4650-4653.	3.2	111
3	Highly enantioselective Michael addition of 2-oxindoles to vinyl selenone in RTILs catalyzed by a Cinchona alkaloid-based thiourea. Chemical Communications, 2011, 47, 6644.	4.1	52
4	Asymmetric organocatalytic N-nitroso-aldol reaction of oxindoles. Tetrahedron: Asymmetry, 2010, 21, 2800-2806.	1.8	49
5	A metal-free yne-addition/1,4-aryl migration/decarboxylation cascade reaction of alkynoates with C_{sp3}â€“H centers. Organic and Biomolecular Chemistry, 2016, 14, 2210-2217.	2.8	46
6	Visible-light-mediated oxidative demethylation of N⁶-methyl adenines. Chemical Communications, 2017, 53, 10734-10737.	4.1	46
7	Cobalt-Catalyzed Peroxidation of 2-Oxindoles with Hydroperoxides. Journal of Organic Chemistry, 2016, 81, 5337-5344.	3.2	43
8	Identification of Flavin Mononucleotide as a Cellâ€Active Artificial N⁶â€Methyladenosine RNA Demethylase. Angewandte Chemie - International Edition, 2019, 58, 5028-5032.	13.8	42
9	FeCl₃-Mediated Radical Tandem Reactions of 3-Benzyl-2-oxindoles with Styrene Derivatives for the Stereoselective Synthesis of Spirocyclohexene Oxindoles. Organic Letters, 2016, 18, 1382-1385.	4.6	41
10	Evidence for tunneling in base-catalyzed isomerization of glyceraldehyde to dihydroxyacetone by hydride shift under formose conditions. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4218-4220.	7.1	32
11	A NaI/H₂O₂-Mediated Sulfenylation and Selenylation of Unprotected Uracil and Its Derivatives. Organic Letters, 2019, 21, 6643-6647.	4.6	32
12	A label-free colorimetric detection of microRNA via G-quadruplex-based signal quenching strategy. Analytica Chimica Acta, 2019, 1079, 207-211.	5.4	31
13	Transition-Metal-Free Alkynylation of 2-Oxindoles through Radicalâ€“Radical Coupling. Journal of Organic Chemistry, 2017, 82, 2656-2663.	3.2	30
14	Highly diastereoselective reactions of 2-lithiated indoles with chiral N-tert-butanesulfinyl aldimines for the synthesis of chiral (2-indolyl) methanamine derivatives. Tetrahedron: Asymmetry, 2007, 18, 1833-1843.	1.8	28
15	Binding and biomimetic cleavage of the RNA poly(U) by synthetic polyimidazoles. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12884-12887.	7.1	25
16	Chemical Deprenylation of N⁶â€Isopentenyladenosine (i⁶A) RNA. Angewandte Chemie - International Edition, 2020, 59, 10645-10650.	13.8	24
17	A Lightâ€Controllable Chemical Modulation of m⁶A RNA Methylation. Angewandte Chemie - International Edition, 2021, 60, 18116-18121.	13.8	23
18	Ruthenium-Catalyzed Decarboxylative Câ€“H Alkenylation in Aqueous Media: Synthesis of Tetrahydropyridoindoles. Journal of Organic Chemistry, 2018, 83, 7514-7522.	3.2	21

#	Article	IF	Citations
19	A Chemical Photoâ€Oxidation of 5â€Methyl Cytidines. Advanced Synthesis and Catalysis, 2019, 361, 4685-4690.	4.3	20
20	Iodide/H2O2 Catalyzed Intramolecular Oxidative Amination for the Synthesis of 3,2â€²-Pyrrolidinyl Spirooxindoles. Molecules, 2018, 23, 2265.	3.8	15
21	A catalyst-free intermolecular trans-iodoalkylation of alkynes. Organic and Biomolecular Chemistry, 2018, 16, 899-903.	2.8	14
22	Identification of thienopyridine carboxamides as selective binders of HIV-1 trans Activation Response (TAR) and Rev Response Element (RRE) RNAs. Organic and Biomolecular Chemistry, 2018, 16, 9191-9196.	2.8	14
23	Dynamic modifications of biomacromolecules: mechanism and chemical interventions. Science China Life Sciences, 2019, 62, 1459-1471.	4.9	14
24	Asymmetric polymerase chain reaction and loop-mediated isothermal amplification (AP-LAMP) for ultrasensitive detection of microRNAs. Chinese Chemical Letters, 2020, 31, 159-162.	9.0	14
25	Deoxypolypeptides bind and cleave RNA. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7920-7924.	7.1	13
26	Selective Inhibitors of AlkB Family of Nucleic Acid Demethylases. Biochemistry, 2020, 59, 230-239.	2.5	13
27	Metal-free allylation of electron-rich heteroaryl boronic acids with allylic alcohols. Tetrahedron, 2016, 72, 1873-1880.	1.9	12
28	Identification of Flavin Mononucleotide as a Cellâ€Active Artificial N⁶â€Methyladenosine RNA Demethylase. Angewandte Chemie, 2019, 131, 5082-5086.	2.0	12
29	Selective recognition of HIV RNA by dinuclear metallic ligands. Chinese Chemical Letters, 2018, 29, 1637-1640.	9.0	11
30	Visibleâ€Light Facilitated Fluorescence â€œSwitchâ€Onâ€•Labelling of 5â€Formylpyrimidine RNA. Advanced Synthesis and Catalysis, 2019, 361, 5406-5411.	4.3	11
31	I 2 /TBHP Mediated Divergent C(sp 2)â€P Cleavage of Allenylphosphine Oxides: Substituentâ€Controlled Regioselectivity. Advanced Synthesis and Catalysis, 2019, 361, 3532-3537.	4.3	11
32	Regioselective synthesis and anticancer evaluation of H₂O₂-activable nucleosides. Chemical Communications, 2020, 56, 6484-6487.	4.1	11
33	Tunable Heckâ€“Mizoroki Reaction of Dibromonaphthalene Diimide with Aryl Ethylenes: Design, Synthesis, and Characterization of Coplanar NDI-Based Conjugated Molecules. Journal of Organic Chemistry, 2017, 82, 12806-12812.	3.2	8
34	Modifying Methionine on Proteins. ChemBioChem, 2020, 21, 461-463.	2.6	8
35	Chemical Deprenylation of N 6 â€Isopentenyladenosine (i 6 A) RNA. Angewandte Chemie, 2020, 132, 10732-10737.	2.0	8
36	A fast and direct iodide-catalyzed oxidative 2-selenylation of tryptophan. Chemical Communications, 2021, 57, 3504-3507.	4.1	8

#	Article	IF	Citations
37	Aqueous and Visible-Light-Promoted Câ€“H (Hetero)arylation of Uracil Derivatives with Diazoniums. Journal of Organic Chemistry, 2021, 86, 16434-16447.	3.2	8
38	A Lightâ€Controllable Chemical Modulation of m 6 A RNA Methylation. Angewandte Chemie, 2021, 133, 18264-18269.	2.0	5
39	Intermolecular dearomative oxidative coupling of indoles with ketones and sulfonylhydrazines catalyzed by I2: synthesis of [2,3]-fused indoline tetrahydropyridazines. Science China Chemistry, 2016, 59, 1311-1316.	8.2	4
40	A photo-responsive chemical modulation of m6A RNA demethylase FTO. Chemical Communications, 2021, 57, 10548-10551.	4.1	4
41	TEMPO promoted direct multi-functionalization of terminal alkynes with 2-oxindoles/benzofuran-2(3H)-one. Organic and Biomolecular Chemistry, 2018, 16, 5228-5231.	2.8	3
42	Visibleâ€Lightâ€Mediated Stereoselective 1,2â€Iodoalkylation of Alkynes. Advanced Synthesis and Catalysis, 2019, 361, 1283-1288.	4.3	3
43	A chemical labelling of N6-formyl adenosine (f6A) RNA. Chinese Chemical Letters, 2021, , .	9.0	3
44	Nucleophilic addition of regioselectively lithiated indoline with aldimines for the syntheses of 2- and 7-indolinyl methanamine derivatives. Tetrahedron Letters, 2012, 53, 4004-4007.	1.4	2
45	A Visibleâ€Lightâ€Promoted Câ€H Arylation and Heteroarylation of Uracil Derivatives with Diazoniums in Aqueous Conditions. Current Protocols, 2022, 2, .	2.9	2
46	Front Cover Picture: A Chemical Photoâ€Oxidation of 5â€Methyl Cytidines (Adv. Synth. Catal. 20/2019). Advanced Synthesis and Catalysis, 2019, 361, 4623-4623.	4.3	0
47	The Chemistry behind ThiC Rearrangement. ChemBioChem, 2022, 23, .	2.6	0