

Liang Cheng

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,121
citations

471509

17
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414414

32
g-index

61
all docs

61
docs citations

61
times ranked

1157
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The Chemistry behind ThiC Rearrangement. <i>ChemBioChem</i> , 2022, 23, . | 2.6 | 0 |
| 2 | A Visible-Light-Promoted C-H Arylation and Heteroarylation of Uracil Derivatives with Diazoniums in Aqueous Conditions. <i>Current Protocols</i> , 2022, 2, . | 2.9 | 2 |
| 3 | A photo-responsive chemical modulation of m6A RNA demethylase FTO. <i>Chemical Communications</i> , 2021, 57, 10548-10551. | 4.1 | 4 |
| 4 | A fast and direct iodide-catalyzed oxidative 2-selenylation of tryptophan. <i>Chemical Communications</i> , 2021, 57, 3504-3507. | 4.1 | 8 |
| 5 | A Light-Controllable Chemical Modulation of m ⁶ A RNA Methylation. <i>Angewandte Chemie</i> , 2021, 133, 18264-18269. | 2.0 | 5 |
| 6 | A Light-Controllable Chemical Modulation of m ⁶ A RNA Methylation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18116-18121. | 13.8 | 23 |
| 7 | A chemical labelling of N ⁶ -formyl adenosine (f6A) RNA. <i>Chinese Chemical Letters</i> , 2021, , . | 9.0 | 3 |
| 8 | Aqueous and Visible-Light-Promoted C-H (Hetero)arylation of Uracil Derivatives with Diazoniums. <i>Journal of Organic Chemistry</i> , 2021, 86, 16434-16447. | 3.2 | 8 |
| 9 | Asymmetric polymerase chain reaction and loop-mediated isothermal amplification (AP-LAMP) for ultrasensitive detection of microRNAs. <i>Chinese Chemical Letters</i> , 2020, 31, 159-162. | 9.0 | 14 |
| 10 | Modifying Methionine on Proteins. <i>ChemBioChem</i> , 2020, 21, 461-463. | 2.6 | 8 |
| 11 | Selective Inhibitors of AlkB Family of Nucleic Acid Demethylases. <i>Biochemistry</i> , 2020, 59, 230-239. | 2.5 | 13 |
| 12 | Regioselective synthesis and anticancer evaluation of H ₂ O ₂ -activable nucleosides. <i>Chemical Communications</i> , 2020, 56, 6484-6487. | 4.1 | 11 |
| 13 | Chemical Deprenylation of N ⁶ -isopentenyladenosine (i ⁶ A) RNA. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10645-10650. | 13.8 | 24 |
| 14 | Chemical Deprenylation of N ⁶ -isopentenyladenosine (i ⁶ A) RNA. <i>Angewandte Chemie</i> , 2020, 132, 10732-10737. | 2.0 | 8 |
| 15 | A Chemical Photo-Oxidation of 5-Methyl Cytidines. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4685-4690. | 4.3 | 20 |
| 16 | A NaI/H ₂ O ₂ -Mediated Sulfenylation and Selenylation of Unprotected Uracil and Its Derivatives. <i>Organic Letters</i> , 2019, 21, 6643-6647. | 4.6 | 32 |
| 17 | A label-free colorimetric detection of microRNA via G-quadruplex-based signal quenching strategy. <i>Analytica Chimica Acta</i> , 2019, 1079, 207-211. | 5.4 | 31 |
| 18 | Visible-Light Facilitated Fluorescence "Switch-On" Labelling of 5-Formylpyrimidine RNA. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 5406-5411. | 4.3 | 11 |

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|----|---|------|-----------|
| 19 | 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 |
| 20 | Dynamic modifications of biomacromolecules: mechanism and chemical interventions. Science China Life Sciences, 2019, 62, 1459-1471. | 4.9 | 14 |
| 21 | Visibleâ€Lightâ€Mediated Stereoselective 1,2â€Iodoalkylation of Alkynes. Advanced Synthesis and Catalysis, 2019, 361, 1283-1288. | 4.3 | 3 |
| 22 | 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 |
| 23 | Identification of Flavin Mononucleotide as a Cellâ€Active Artificial N ⁶ -Methyladenosine RNA Demethylase. Angewandte Chemie, 2019, 131, 5082-5086. | 2.0 | 12 |
| 24 | Identification of Flavin Mononucleotide as a Cellâ€Active Artificial N ⁶ -Methyladenosine RNA Demethylase. Angewandte Chemie - International Edition, 2019, 58, 5028-5032. | 13.8 | 42 |
| 25 | A catalyst-free intermolecular <i>trans</i> -iodoalkylation of alkynes. Organic and Biomolecular Chemistry, 2018, 16, 899-903. | 2.8 | 14 |
| 26 | Ruthenium-Catalyzed Decarboxylative Câ€H Alkenylation in Aqueous Media: Synthesis of Tetrahydropyridoindoles. Journal of Organic Chemistry, 2018, 83, 7514-7522. | 3.2 | 21 |
| 27 | Identification of thienopyridine carboxamides as selective binders of HIV-1 <i>trans</i> Activation Response (TAR) and Rev Response Element (RRE) RNAs. Organic and Biomolecular Chemistry, 2018, 16, 9191-9196. | 2.8 | 14 |
| 28 | Iodide/H ₂ O ₂ Catalyzed Intramolecular Oxidative Amination for the Synthesis of 3,2â€Pyrrolidinyl Spirooxindoles. Molecules, 2018, 23, 2265. | 3.8 | 15 |
| 29 | Selective recognition of HIV RNA by dinuclear metallic ligands. Chinese Chemical Letters, 2018, 29, 1637-1640. | 9.0 | 11 |
| 30 | TEMPO promoted direct multi-functionalization of terminal alkynes with 2-oxindoles/benzofuran-2(3 <i>H</i>)-one. Organic and Biomolecular Chemistry, 2018, 16, 5228-5231. | 2.8 | 3 |
| 31 | Transition-Metal-Free Alkynylation of 2-Oxindoles through Radicalâ€Radical Coupling. Journal of Organic Chemistry, 2017, 82, 2656-2663. | 3.2 | 30 |
| 32 | 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 |
| 33 | Visible-light-mediated oxidative demethylation of N ⁶ -methyl adenines. Chemical Communications, 2017, 53, 10734-10737. | 4.1 | 46 |
| 34 | Intermolecular dearomative oxidative coupling of indoles with ketones and sulfonylhydrazines catalyzed by I ₂ : synthesis of [2,3]-fused indoline tetrahydropyridazines. Science China Chemistry, 2016, 59, 1311-1316. | 8.2 | 4 |
| 35 | Cobalt-Catalyzed Peroxidation of 2-Oxindoles with Hydroperoxides. Journal of Organic Chemistry, 2016, 81, 5337-5344. | 3.2 | 43 |
| 36 | Metal-free allylation of electron-rich heteroaryl boronic acids with allylic alcohols. Tetrahedron, 2016, 72, 1873-1880. | 1.9 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | FeCl ₃ -Mediated Radical Tandem Reactions of 3-Benzyl-2-oxindoles with Styrene Derivatives for the Stereoselective Synthesis of Spirocyclohexene Oxindoles. <i>Organic Letters</i> , 2016, 18, 1382-1385. | 4.6 | 41 |
| 38 | A metal-free yne-addition/1,4-aryl migration/decarboxylation cascade reaction of alkynoates with C _{sp3} -H centers. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2210-2217. | 2.8 | 46 |
| 39 | Evidence for tunneling in base-catalyzed isomerization of glyceraldehyde to dihydroxyacetone by hydride shift under formose conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4218-4220. | 7.1 | 32 |
| 40 | Deoxypolypeptides bind and cleave RNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7920-7924. | 7.1 | 13 |
| 41 | Binding and biomimetic cleavage of the RNA poly(U) by synthetic polyimidazoles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 12884-12887. | 7.1 | 25 |
| 42 | Nucleophilic addition of regioselectively lithiated indoline with aldimines for the syntheses of 2- and 7-indolyl methanamine derivatives. <i>Tetrahedron Letters</i> , 2012, 53, 4004-4007. | 1.4 | 2 |
| 43 | Highly enantioselective Michael addition of 2-oxindoles to vinyl selenone in RTILs catalyzed by a Cinchona alkaloid-based thiourea. <i>Chemical Communications</i> , 2011, 47, 6644. | 4.1 | 52 |
| 44 | Asymmetric organocatalytic N-nitroso-aldol reaction of oxindoles. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 2800-2806. | 1.8 | 49 |
| 45 | Enantioselective Organocatalytic <i>anti</i> -Mannich-Type Reaction of <i>N</i> -Unprotected 3-Substituted 2-Oxindoles with Aromatic <i>N</i> -Ts-aldimines. <i>Journal of Organic Chemistry</i> , 2009, 74, 4650-4653. | 3.2 | 111 |
| 46 | Highly Enantioselective and Organocatalytic $\hat{\pm}$ -Amination of 2-Oxindoles. <i>Organic Letters</i> , 2009, 11, 3874-3877. | 4.6 | 192 |
| 47 | Highly diastereoselective reactions of 2-lithiated indoles with chiral <i>N</i> -tert-butanesulfinyl aldimines for the synthesis of chiral (2-indolyl) methanamine derivatives. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 1833-1843. | 1.8 | 28 |