

Fei Huang

List of Publications by Year in descending order

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52
papers

2,017
citations

331259

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docs citations

59
times ranked

2475
citing authors

#	ARTICLE	IF	CITATIONS
1	C ^α -Alkylation of Ketones and Related Compounds by Alcohols: Transition-Metal-Catalyzed Dehydrogenation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 862-875.	7.2	379
2	Lewis Acid-Catalyzed, Copper(II)-Mediated Synthesis of Heteroaryl Thioethers under Base-Free Conditions. <i>Journal of Organic Chemistry</i> , 2012, 77, 4414-4419.	1.7	162
3	Indole synthesis through transition metal-catalyzed C ^α -H activation. <i>Tetrahedron Letters</i> , 2015, 56, 296-302.	0.7	149
4	Design of SARS-CoV-2 PLpro Inhibitors for COVID-19 Antiviral Therapy Leveraging Binding Cooperativity. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 2940-2955.	2.9	102
5	Copper(II)-Mediated Dehydrogenative Cross-Coupling of Heteroarenes. <i>Organic Letters</i> , 2012, 14, 3854-3857.	2.4	98
6	Ofloxacin degradation over Cu ^{II} -Ce tyre carbon catalysts by the microwave assisted persulfate process. <i>Applied Catalysis B: Environmental</i> , 2019, 253, 149-159.	10.8	92
7	C ^α -Alkylierung von Ketonen und verwandten Verbindungen durch Alkohole: $\frac{1}{4}$ bergangsmetallkatalysierte Dehydrierung. <i>Angewandte Chemie</i> , 2016, 128, 872-885.	1.6	83
8	Copper-Catalyzed Trifluoromethylation of Internal Olefinic C=C Bonds: Efficient Routes to Trifluoromethylated Tetrasubstituted Olefins and β -Heterocycles. <i>Chemistry - A European Journal</i> , 2014, 20, 3439-3445.	1.7	63
9	Heterogeneous fenton-like degradation of ofloxacin over sludge derived carbon as catalysts: Mechanism and performance. <i>Science of the Total Environment</i> , 2019, 654, 942-947.	3.9	63
10	Copper-Mediated Intramolecular Oxidative C ^α -H/C ^β -H Cross-Coupling of α -Oxo Ketene N,S-Acetals for Indole Synthesis. <i>Journal of Organic Chemistry</i> , 2014, 79, 10553-10560.	1.7	54
11	Palladium-catalyzed, copper-mediated construction of benzene rings from the reactions of indoles with in situ generated enones. <i>Organic Chemistry Frontiers</i> , 2014, 1, 707-711.	2.3	48
12	Copper-Catalyzed Formal Carbene Migratory Insertion into Internal Olefinic C=C Bonds with N-Tosylhydrazones To Access Iminofuran and 2-(3-H)-Furanone Derivatives. <i>Organic Letters</i> , 2017, 19, 3660-3663.	2.4	45
13	Tumor targeted nanostructured lipid carrier co-delivering paclitaxel and indocyanine green for laser triggered synergetic therapy of cancer. <i>RSC Advances</i> , 2017, 7, 35086-35095.	1.7	43
14	A Facile Peroxo-Precursor Synthesis Method and Structure Evolution of Large Specific Surface Area Mesoporous BaSnO ₃ . <i>Inorganic Chemistry</i> , 2015, 54, 4002-4010.	1.9	36
15	Copper-mediated intramolecular oxidative C ^α -H/N ^α -H cross-coupling of α -alkenyl ketene N,S-acetals to synthesize pyrrolone derivatives. <i>Chemical Communications</i> , 2014, 50, 12479-12481.	2.2	35
16	Temperature influence and distribution of bio-oil from pyrolysis of granular sewage sludge. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 130, 36-42.	2.6	35
17	Optimization of Novel 1-Methyl-1-H-Pyrazole-5-carboxamides Leads to High Potency Larval Development Inhibitors of the Barber's Pole Worm. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 10875-10894.	2.9	29
18	Iminyl Radicals by Reductive Cleavage of N=O Bond in Oxime Ether Promoted by SmI ₂ : A Straightforward Synthesis of Five-Membered Cyclic Imines. <i>Organic Letters</i> , 2019, 21, 7430-7434.	2.4	29

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19	Metal-free C=C, C=O, C=S and C=N bond formation enabled by SBA-15 supported TFMSA. <i>Chemical Communications</i> , 2020, 56, 1243-1246.	2.2	28
20	A two-step synthesis of Fe-substituted hexaaluminates with enhanced surface area and activity in methane catalytic combustion. <i>Catalysis Science and Technology</i> , 2016, 6, 4962-4969.	2.1	25
21	Copper-promoted direct C-H alkoxylation of S,S-functionalized internal olefins with alcohols. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5535-5540.	1.5	25
22	Amide Bond Formation Assisted by Vicinal Alkylthio Migration in Enaminones: Metal- and CO-Free Synthesis of α,β -Unsaturated Amides. <i>Journal of Organic Chemistry</i> , 2018, 83, 5731-5750.	1.7	23
23	Determination and toxicity evaluation of the generated byproducts from sulfamethazine degradation during catalytic oxidation process. <i>Chemosphere</i> , 2019, 226, 103-109.	4.2	23
24	Brønsted acid-catalyzed homogeneous O-H and S-H insertion reactions under metal- and ligand-free conditions. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1233-1242.	2.3	22
25	Discovery of Benzoylsulfonohydrazides as Potent Inhibitors of the Histone Acetyltransferase KAT6A. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 7146-7159.	2.9	21
26	Copper-catalyzed carbene insertion and ester migration for the synthesis of polysubstituted pyrroles. <i>Chemical Communications</i> , 2020, 56, 11050-11053.	2.2	20
27	Effect of magnesium substitution into Fe-based La-hexaaluminates on the activity for CH ₄ catalytic combustion. <i>Catalysis Science and Technology</i> , 2016, 6, 7860-7867.	2.1	19
28	Catalytic O-H bond insertion reactions using surface modified sewage sludge as a catalyst. <i>Green Chemistry</i> , 2020, 22, 1594-1604.	4.6	18
29	The behavior of surface acidity on photo-Fenton degradation of ciprofloxacin over sludge derived carbon: Performance and mechanism. <i>Journal of Colloid and Interface Science</i> , 2021, 597, 84-93.	5.0	18
30	Structure-Activity Relationship Studies of Tolfenpyrad Reveal Subnanomolar Inhibitors of <i>Haemonchus contortus</i> Development. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 1036-1053.	2.9	17
31	Copper-catalyzed [4 + 2] annulation reaction of β -enaminones and aryl diazonium salts without external oxidant: synthesis of highly functionalized 3,4,5-triazines via homogeneous or heterogeneous strategy. <i>Organic Chemistry Frontiers</i> , 2020, 7, 457-463.	2.3	17
32	3,3-Di-substituted 5,5-Bi(1,2,4-triazine) Derivatives with Potent in Vitro and in Vivo Antimalarial Activity. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 2485-2498.	2.9	16
33	A Reusable CNT-Supported Single-Atom Iron Catalyst for the Highly Efficient Synthesis of C-N Bonds. <i>Chemistry - A European Journal</i> , 2020, 26, 4592-4598.	1.7	16
34	Palladium-Catalyzed Fluoroalkylation via C(sp ³)-S Bond Cleavage of Vinylsulfonium Salts. <i>Organic Letters</i> , 2021, 23, 6110-6114.	2.4	16
35	Novel 1-Methyl-1H-pyrazole-5-carboxamide Derivatives with Potent Anthelmintic Activity. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 3367-3380.	2.9	15
36	Ir ₂ -Promoted [4 + 2] cycloaddition of in situ generated azoalkenes with enaminones: facile and efficient synthesis of 1,4-dihydropyridazines and pyridazines. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 9483-9493.	1.5	14

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37	Oxytetracycline degradation and toxicity evolution by catalytic oxidation process over sludge derived carbon. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102889.	3.3	13
38	PIDA α -Mediated Formal Olefinic C=C Bond Cleavage of α -Oxo β -Ketene α -Acetals toward Substituted Oxazolines. <i>Chemistry - A European Journal</i> , 2018, 24, 14368-14372.	1.7	9
39	Efficient degradation of sulfamethoxazole by catalytic wet peroxide oxidation with sludge-derived carbon as catalysts. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 870-877.	1.2	9
40	Discovery of Acylsulfonohydrazide-Derived Inhibitors of the Lysine Acetyltransferase, KAT6A, as Potent Senescence-Inducing Anti-Cancer Agents. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 4655-4684.	2.9	9
41	Novel dual-mode antitumor chlorin-based derivatives as potent photosensitizers and histone deacetylase inhibitors for photodynamic therapy and chemotherapy. <i>European Journal of Medicinal Chemistry</i> , 2021, 217, 113363.	2.6	9
42	3D-printed heterogeneous Cu ₂ O monoliths: Reusable supports for antibiotic treatment of wastewater. <i>Journal of Hazardous Materials</i> , 2022, 436, 129170.	6.5	9
43	Turning Waste into Valuable Catalysts: Application of Surface-Modified Sewage Sludge in N-H Insertion Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 4854-4863.	1.8	8
44	Copper(II)-Mediated Intramolecular Cyclopropanation of Ketene α -Acetals (X = S, O, N) under Mild Conditions. <i>Journal of Organic Chemistry</i> , 2020, 85, 4373-4385.	1.7	8
45	Progress in the Synthesis of 1,2,4-Triazines by Tandem Cyclization. <i>Chinese Journal of Organic Chemistry</i> , 2019, 39, 2713.	0.6	8
46	New KAT6 inhibitors induce senescence and arrest cancer growth. <i>Synthetic and Systems Biotechnology</i> , 2018, 3, 244-245.	1.8	7
47	Microwave-Assisted Synthesis of α -Diazoesters. <i>Chinese Journal of Organic Chemistry</i> , 2019, 39, 544.	0.6	7
48	Surface modification of sludge-derived carbon by phosphoric acid as new electrocatalyst for degradation of acetophenone. <i>Environmental Science and Pollution Research</i> , 2018, 25, 25496-25503.	2.7	6
49	Catalytic C-C coupling of diazo compounds with arylboronic acids: using surface modified sewage sludge as catalyst. <i>Green Chemistry</i> , 2020, 22, 4165-4173.	4.6	5
50	Progress in N-H Insertion Reaction of α -Diazocarbonyl Compounds. <i>Chinese Journal of Organic Chemistry</i> , 2019, 39, 3013.	0.6	5
51	Brønsted acid-catalyzed phenylselenenylation of internal olefins. <i>Tetrahedron Letters</i> , 2015, 56, 2488-2491.	0.7	4
52	1-Methyl-1H-pyrazole-5-carboxamide Derivatives Exhibit Unexpected Acute Mammalian Toxicity. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 840-844.	2.9	3