

Xiang-Ai Yuan

List of Publications by Year in descending order

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32
papers

1,122
citations

516710

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docs citations

32
times ranked

993
citing authors

#	ARTICLE	IF	CITATIONS
1	Deoxygenative Deuteration of Carboxylic Acids with D ₂ O. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 312-316.	13.8	172
2	Synergistic Photoredox Catalysis and Organocatalysis for Inverse Hydroboration of Imines. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3990-3994.	13.8	121
3	Manganese-catalysed divergent silylation of alkenes. <i>Nature Chemistry</i> , 2021, 13, 182-190.	13.6	98
4	Synergistic Catalysis for the Umpolung Trifluoromethylthiolation of Tertiary Ethers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10357-10361.	13.8	91
5	Site-selective remote C(sp ³)–H heteroarylation of amides via organic photoredox catalysis. <i>Nature Communications</i> , 2019, 10, 4743.	12.8	69
6	Selective Hydroarylation of 1,3-Diynes Using a Dimeric Manganese Catalyst: Modular Synthesis of <i>Z</i> -Enynes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12906-12910.	13.8	63
7	Deoxygenative Arylation of Carboxylic Acids by Aryl Migration. <i>Chemistry - A European Journal</i> , 2019, 25, 12724-12729.	3.3	47
8	Ferrocene-Appended Iridium(III) Complexes: Configuration Regulation, Anticancer Application, and Mechanism Research. <i>Inorganic Chemistry</i> , 2019, 58, 14175-14184.	4.0	43
9	Synergistic Photoredox Catalysis and Organocatalysis for Inverse Hydroboration of Imines. <i>Angewandte Chemie</i> , 2018, 130, 4054-4058.	2.0	42
10	Diastereoselective and Stereodivergent Synthesis of α -Cinnamylpyrrolines Enabled by Photoredox-Catalyzed Iminoalkenylation of Alkenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9672-9679.	13.8	40
11	Deoxygenative Deuteration of Carboxylic Acids with D ₂ O. <i>Angewandte Chemie</i> , 2019, 131, 318-322.	2.0	38
12	A Highly Efficient Dimeric Manganese-Catalyzed Selective Hydroarylation of Internal Alkynes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12789-12794.	13.8	35
13	Photoredox-Catalyzed Stereoselective Synthesis of <i>C</i> -Nucleoside Analogues from Glycosyl Bromides and Heteroarenes. <i>ACS Catalysis</i> , 2021, 11, 9397-9406.	11.2	35
14	Dimeric Manganese-Catalyzed Hydroarylation and Hydroalkenylation of Unsaturated Amides. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8430-8434.	13.8	34
15	Photoexcited Chiral Copper Complex-Mediated Alkene <i>E</i> \rightarrow <i>Z</i> Isomerization Enables Kinetic Resolution. <i>Journal of the American Chemical Society</i> , 2022, 144, 10958-10967.	13.7	23
16	Synergistic Catalysis for the Umpolung Trifluoromethylthiolation of Tertiary Ethers. <i>Angewandte Chemie</i> , 2018, 130, 10514-10518.	2.0	19
17	Dual functions of iridium(III) 2-phenylpyridine complexes: Metastasis inhibition and lysosomal damage. <i>Journal of Inorganic Biochemistry</i> , 2020, 205, 110983.	3.5	17
18	Manganese-Catalyzed Hydrocarbofunctionalization of Internal Alkenes. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1497-1502.	4.9	17

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19	Unexpected solvent effects on the UV/Vis absorption spectra of o-cresol in toluene and benzene: in contrast with non-aromatic solvents. <i>Royal Society Open Science</i> , 2018, 5, 171928.	2.4	16
20	Selective Hydroarylation of 1,3-Diynes Using a Dimeric Manganese Catalyst: Modular Synthesis of Z-Enynes. <i>Angewandte Chemie</i> , 2018, 130, 13088-13092.	2.0	15
21	Preparation and the anticancer mechanism of configuration-controlled Fe(II)-Ir(III) heteronuclear metal complexes. <i>Dalton Transactions</i> , 2020, 49, 12599-12609.	3.3	14
22	New Organometallic Tetraphenylethylene-...Iridium(III) Complexes with Antineoplastic Activity. <i>ChemBioChem</i> , 2019, 20, 2767-2776.	2.6	12
23	Cyclometalated Iridium(III) Complexes Incorporating Aromatic Phosphonate Ligands: Syntheses, Structures, and Tunable Optical Properties. <i>ACS Omega</i> , 2019, 4, 16543-16550.	3.5	11
24	Half-sandwich Ruthenium (II) complexes with triphenylamine modified dipyridine skeleton and application in biology/luminescence imaging. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5171.	3.5	10
25	Mechanistic insights into the C(sp ³)-H heteroarylation of amides and Fukui function analysis of regioselectivity. <i>Molecular Catalysis</i> , 2021, 502, 111394.	2.0	8
26	Rationalization of pH-Dependent Absorption Spectrum of o-Methyl Red in Aqueous Solutions: TD-DFT Calculation and Experiment Study. <i>Wuli Huaxue Xuebao/ Acta Physico-Chimica Sinica</i> , 2016, 32, 290-300.	4.9	7
27	Synergistic steric pairing effects of terfluorenes with ternary side groups on $\hat{\nu}^2$ -conformation transition: experiments and computations. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1551-1561.	5.5	7
28	Computational Study on the Mechanisms and Origins of Selectivity in Hydroarylation of 1,3-Diyne Alcohol Catalyzed by Di- and Mononuclear Manganese Complexes. <i>Organometallics</i> , 2021, 40, 3124-3135.	2.3	5
29	Preparation and Bioactivity of Iridium(III) Phenanthroline Complexes with Halide Ions and Pyridine Leaving Groups. <i>ChemBioChem</i> , 2021, 22, 557-564.	2.6	4
30	Preparation and antitumor application of N-phenylcarbazole/triphenylamine-modified fluorescent half-sandwich iridium(III) Schiff base complexes. <i>Dalton Transactions</i> , 2021, 50, 15888-15899.	3.3	4
31	Noncovalent Interaction- and Steric Effect-Controlled Regiodivergent Selectivity in Dimeric Manganese-Catalyzed Hydroarylation of Internal Alkynes: A Computational Study. <i>Journal of Organic Chemistry</i> , 2022, 87, 4215-4225.	3.2	4
32	Simulations of absorption spectra of conjugated oligomers: role of planar conformation and aggregation in condensed phase. <i>Molecular Physics</i> , 2018, 116, 910-926.	1.7	1