

Xiaodong Yang

List of Publications by Year in descending order

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38
papers

1,308
citations

687363

13
h-index

361022

35
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all docs

38
docs citations

38
times ranked

1624
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface functional groups of carbon-based adsorbents and their roles in the removal of heavy metals from aqueous solutions: A critical review. <i>Chemical Engineering Journal</i> , 2019, 366, 608-621.	12.7	790
2	MutS HOMOLOG1-Derived Epigenetic Breeding Potential in Tomato. <i>Plant Physiology</i> , 2015, 168, 222-232.	4.8	66
3	Investigation on the micro-structure and adsorption capacity of cellulosic biomass carbon based montmorillonite composite. <i>Microporous and Mesoporous Materials</i> , 2018, 256, 18-24.	4.4	44
4	Comparison of machine learning algorithms for soil salinity predictions in three dryland oases located in Xinjiang Uyghur Autonomous Region (XJUAR) of China. <i>European Journal of Remote Sensing</i> , 2019, 52, 256-276.	3.5	40
5	Synthesis and cytotoxic activity of novel hexahydropyrrolo[2,3-b]indole imidazolium salts. <i>Biorganic and Medicinal Chemistry Letters</i> , 2016, 26, 460-465.	2.2	29
6	Micro-structure, surface properties and adsorption capacity of ball-milled cellulosic biomass derived biochar based mineral composites synthesized via carbon-bed pyrolysis. <i>Applied Clay Science</i> , 2020, 199, 105877.	5.2	29
7	Structure units oriented approach towards collective synthesis of sarpagine-ajmaline-koumine type alkaloids. <i>Nature Communications</i> , 2022, 13, 908.	12.8	29
8	Palladium-Catalyzed Selective α -Alkenylation of Pyridylmethyl Ethers with Vinyl Bromides. <i>Organic Letters</i> , 2016, 18, 2371-2374.	4.6	27
9	Synthesis of hickory biochar via one-step acidic ball milling: Characteristics and titan yellow adsorption. <i>Journal of Cleaner Production</i> , 2022, 338, 130575.	9.3	25
10	Resistance to insecticides and synergistic and antagonistic effects of essential oils on dimethrin toxicity in a field population of <i>Culex quinquefasciatus</i> Say. <i>Ecotoxicology and Environmental Safety</i> , 2019, 169, 928-936.	6.0	23
11	Preparation of biosorbent for the removal of organic dyes from aqueous solution via one-step alkaline ball milling of hickory wood. <i>Bioresource Technology</i> , 2022, 348, 126831.	9.6	20
12	Effects of cellulose carbonization on biomass carbon and diatomite composite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 509, 314-322.	4.7	15
13	Transition-Metal-Free C(sp ³)-H Coupling of Cycloalkanes Enabled by Single-Electron Transfer and Hydrogen Atom Transfer. <i>Organic Letters</i> , 2021, 23, 1714-1719.	4.6	15
14	Cordierite reinforced graphite nanocomposite with superior adsorption capacity synthesized by in-situ carbon-bed pyrolysis method. <i>Microporous and Mesoporous Materials</i> , 2018, 265, 219-226.	4.4	13
15	Room Temperature Benzofused Lactam Synthesis Enabled by Cobalt(III)-Catalyzed C(sp ²)-H Amidation. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1050-1058.	4.3	13
16	Asymmetric synthesis of β -amino acid derivatives via diastereoselective vinylogous Mannich reactions between N-tert-butanesulfinyl imines and dioxinone-derived lithium dienolate. <i>RSC Advances</i> , 2017, 7, 50822-50828.	3.6	11
17	Nickel-catalyzed enantioselective vinylation of aryl 2-azaallyl anions. <i>Chemical Science</i> , 2021, 12, 6406-6412.	7.4	11
18	Synthesis of Diarylated α -Pyridylmethyl Ethers via Palladium-Catalyzed Cross-Coupling Reactions. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1927-1932.	4.3	10

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19	The interaction of cellulose and montmorillonite in a hydrothermal process. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 82, 846-854.	2.4	10
20	Transition-metal-free allylation of 2-azaallyls with allyl ethers through polar and radical mechanisms. <i>Nature Communications</i> , 2021, 12, 3860.	12.8	10
21	Super-Electron-Donor 2-Azaallyl Anions Enable Construction of Isoquinolines. <i>Organic Letters</i> , 2022, 24, 1786-1790.	4.6	10
22	Simultaneous determination of 20 disperse dyes in foodstuffs by ultra high performance liquid chromatography-tandem mass spectrometry. <i>Food Chemistry</i> , 2019, 300, 125183.	8.2	9
23	Dynamic growth of rhombic dodecahedral Cu ₂ O crystals controlled by reaction temperature and their size-dependent photocatalytic performance. <i>RSC Advances</i> , 2019, 9, 36831-36837.	3.6	9
24	Microstructure and properties of in-situ prepared cellulosic biomass carbon based diatomite composite. <i>Materials Science and Technology</i> , 2019, 35, 469-476.	1.6	7
25	Rhombic Dodecahedral Cu ₂ O-Catalysed Synthesis of Novel Alkenyl Pyrazoles. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 613-616.	2.0	6
26	Identification of Gossypol Acetate as an Autophagy Modulator with Potent Anti-tumor Effect against Cancer Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 2589-2599.	5.2	6
27	Multiple insecticide resistance and associated mechanisms to volatile pyrethroid in an <i>Aedes albopictus</i> population collected in southern China. <i>Pesticide Biochemistry and Physiology</i> , 2021, 174, 104823.	3.6	5
28	Total Synthesis of (±)-Spiroaxillarone A via a Reversible Sulfa-Michael Addition. <i>Organic Letters</i> , 2022, 24, 1303-1307.	4.6	5
29	Î±-Branched amines through radical coupling with 2-azaallyl anions, redox active esters and alkenes. <i>Chemical Science</i> , 2022, 13, 3740-3747.	7.4	5
30	Dispersion Performance of Polycarboxylate Terpolymers with Different Alkyl Side-Chain Lengths in Pesticide Suspension Concentrate. <i>International Journal of Chemical Engineering</i> , 2021, 2021, 1-7.	2.4	4
31	Hydroxyl ions: flexible tailoring of Cu ₂ O crystal morphology. <i>RSC Advances</i> , 2021, 11, 37760-37766.	3.6	4
32	Novel comb-like anionic-nonionic copolymer for improving the stability of pymetrozine suspension concentrate. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50040.	2.6	3
33	Relationship between secondary phase and photocatalytic activity in titanium-doped bismuth ferrite nanocrystals. <i>Micro and Nano Letters</i> , 2020, 15, 713-716.	1.3	2
34	Formation of Iodide Thin Films in Non-Equilibrium Growth. <i>Physica Status Solidi (B): Basic Research</i> , 1999, 215, 1025-1032.	1.5	1
35	Phase, optical property, and photocatalytic performance behaviors of non-stoichiometric bismuth oxyiodide. <i>Inorganic and Nano-Metal Chemistry</i> , 0, 1-6.	1.6	1
36	Analysis of factors affecting steering performance of wheeled skid-steered vehicles. <i>Journal of Engineering</i> , 2020, 2020, 1015-1019.	1.1	1

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37	Synthesis of 1-pyrroline derivatives <i>via</i> cyclization of terminal alkynes with 2-azaallyls. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 2843-2851.	2.8	0
38	Synthesis and antitumor activity of novel hybrid compounds between 1,4-benzodioxane and imidazolium salts. <i>Archiv Der Pharmazie</i> , 0, , .	4.1	0