Shitao Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6511650/publications.pdf

Version: 2024-02-01

32 papers	1,005 citations	471509 17 h-index	434195 31 g-index
32 all docs	32 docs citations	32 times ranked	825 citing authors

#	Article	IF	Citations
1	Ultra-small Ru nanoparticles embedded on Feâ€“Ni(OH)₂ nanosheets for efficient water splitting at a large current density with long-term stability of 680 hours. Journal of Materials Chemistry A, 2022, 10, 4817-4824.	10.3	46
2	Porous organic polymers as a platform for sensing applications. Chemical Society Reviews, 2022, 51, 2031-2080.	38.1	140
3	Electroless deposition of RuPd nanoparticles on porous carbon for hydrogen evolution in acid and alkaline media. Sustainable Energy and Fuels, 2022, 6, 2165-2169.	4.9	3
4	Vanadium-based cathodes for aqueous zinc-ion batteries: Mechanism, design strategies and challenges. Energy Storage Materials, 2022, 50, 21-46.	18.0	79
5	Oriented construction Cu3P and Ni2P heterojunction to boost overall water splitting. Chemical Engineering Journal, 2022, 448, 137706.	12.7	51
6	Facile synthesis of Fe₂P/Co embedded trifunctional electrocatalyst for high-performance anion exchange membrane fuel cells, rechargeable Znâ€“air batteries, and overall water splitting. Journal of Materials Chemistry A, 2022, 10, 16037-16045.	10.3	8
7	Displacement of shale gas confined in illite shale by flue gas: A molecular simulation study. Chinese Journal of Chemical Engineering, 2021, 29, 295-303.	3.5	8
8	Selective adsorption of SF6 in covalent- and metalâ€“organic frameworks. Chinese Journal of Chemical Engineering, 2021, 39, 88-95.	3.5	5
9	A Fully Conjugated 3D Covalent Organic Framework Exhibiting Bandâ€like Transport with Ultrahigh Electron Mobility. Angewandte Chemie - International Edition, 2021, 60, 9321-9325.	13.8	59
10	A Fully Conjugated 3D Covalent Organic Framework Exhibiting Bandâ€like Transport with Ultrahigh Electron Mobility. Angewandte Chemie, 2021, 133, 9407-9411.	2.0	16
11	Paraffin/polyethylene/graphite composite phase change materials with enhanced thermal conductivity and leakage-proof. Advanced Composites and Hybrid Materials, 2021, 4, 543-551.	21.1	69
12	Saddleâ€Shaped Building Blocks: A New Concept for Designing Fully Conjugated 3D Organic Semiconducting Materials. Chemistry - A European Journal, 2021, 27, 12012-12018.	3.3	11
13	Frontispiece: Saddleâ€Shaped Building Blocks: A New Concept for Designing Fully Conjugated 3D Organic Semiconducting Materials. Chemistry - A European Journal, 2021, 27, .	3.3	0
14	Multiresponsive Tetra-Arylethene-Based Fluorescent Switch with Multicolored Changes: Single-Crystal Photochromism, Mechanochromism, and Acidichromism. ACS Applied Materials & Interfaces, 2021, 13, 40986-40994.	8.0	30
15	A Triâ€state Fluorescent Switch with â€œGatedâ€•Solidâ€state Photochromism Induced by an External Force. Chemistry - an Asian Journal, 2021, 16, 3713-3718.	3.3	8
16	A Three-Dimensional sp² Carbon-Conjugated Covalent Organic Framework. Journal of the American Chemical Society, 2021, 143, 15562-15566.	13.7	80
17	Dual active site tandem catalysis of metal hydroxyl oxides and single atoms for boosting oxygen evolution reaction. Applied Catalysis B: Environmental, 2021, 297, 120451.	20.2	44
18	Sulfur-modified porous covalent organic polymers as bifunctional materials for efficient fluorescence detection and fast removal of heavy metal ions. Materials Chemistry Frontiers, 2021, 5, 3428-3435.	5.9	12

#	Article	IF	Citations
19	An Accelerated Modular-Orthogonal Ni-Catalyzed Methodology to Symmetric and Nonsymmetric Constitutional Isomeric AB₂ to AB₉ Dendrons Exhibiting Unprecedented Self-Organizing Principles. Journal of the American Chemical Society, 2021, 143, 17724-17743.	13.7	25
20	Dissolution-enhanced emission of 1,3,6,8-tetrakis(p-benzoic acid)pyrene for selectively detecting protamine and â€œon-to-onâ€•heparin detection in water. New Journal of Chemistry, 2021, 46, 345-351.	2.8	2
21	Dissolution-enhanced emission of 1,3,6,8-Tetrakis(p-benzoic acid)pyrene for detecting arginine and lysine amino acids. Dyes and Pigments, 2020, 175, 108131.	3.7	18
22	Physically Adsorbed Metal Ions in Porous Supports as Electrocatalysts for Oxygen Evolution Reaction. Advanced Functional Materials, 2020, 30, 1909889.	14.9	32
23	Regioselective Functionalization of Stable BNâ€Modified Luminescent Tetraphenes for Highâ€Resolution Fingerprint Imaging. Angewandte Chemie - International Edition, 2019, 58, 10132-10137.	13.8	55
24	Capsuleâ€“Capsule Conversion by Guest Encapsulation. Angewandte Chemie - International Edition, 2016, 55, 2063-2066.	13.8	64
25	Capsuleâ€“Capsule Conversion by Guest Encapsulation. Angewandte Chemie, 2016, 128, 2103-2106.	2.0	29
26	Capsule-bowl conversion triggered by a guest reaction. Chemical Communications, 2016, 52, 11653-11656.	4.1	26
27	Donorâ€“acceptorâ€“donor type organic semiconductor containing quinoidal benzo[1,2-b:4,5-bâ€²]dithiophene for high performance n-channel field-effect transistors. Chemical Communications, 2014, 50, 985-987.	4.1	29
28	Electron-Rich Pyrroloindacenodithiophenes: Synthesis, Characterization, and Spectroscopic Studies. Journal of Organic Chemistry, 2013, 78, 752-756.	3.2	7
29	Benzo[1,2-b:4,5-bâ€²]dithiophene-Based Cruciforms: Syntheses, Crystal Structures, and Charge Transport Properties. ACS Applied Materials & Interfaces, 2013, 5, 663-671.	8.0	17
30	Synthesis and Physicochemical Properties of Strong Electron Acceptor 14,14,15,15â€Tetracyanoâ€6,13â€pentacenequinodimethane (TCPQ) Diimide. European Journal of Organic Chemistry, 2012, 2012, 6136-6139.	2.4	5
31	New ladderâ€type conjugated polymer with broad absorption, high thermal stability, and low band gap. Journal of Polymer Science Part A, 2012, 50, 4272-4276.	2.3	8
32	Supercritical carbon dioxide-assisted preparation of palladium nanoparticles on cyclotriphosphazene-containing polymer nanospheres. Applied Surface Science, 2011, 257, 7129-7133.	6.1	19