

Shitao Wang

List of Publications by Year in descending order

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papers

1,005
citations

471509

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31
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32
all docs

32
docs citations

32
times ranked

825
citing authors

#	ARTICLE	IF	CITATIONS
1	Porous organic polymers as a platform for sensing applications. <i>Chemical Society Reviews</i> , 2022, 51, 2031-2080.	38.1	140
2	A Three-Dimensional sp^2 Carbon-Conjugated Covalent Organic Framework. <i>Journal of the American Chemical Society</i> , 2021, 143, 15562-15566.	13.7	80
3	Vanadium-based cathodes for aqueous zinc-ion batteries: Mechanism, design strategies and challenges. <i>Energy Storage Materials</i> , 2022, 50, 21-46.	18.0	79
4	Paraffin/polyethylene/graphite composite phase change materials with enhanced thermal conductivity and leakage-proof. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 543-551.	21.1	69
5	Capsule \rightarrow Capsule Conversion by Guest Encapsulation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2063-2066.	13.8	64
6	A Fully Conjugated 3D Covalent Organic Framework Exhibiting Bandlike Transport with Ultrahigh Electron Mobility. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9321-9325.	13.8	59
7	Regioselective Functionalization of Stable BN-Modified Luminescent Tetraperhenes for High-Resolution Fingerprint Imaging. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10132-10137.	13.8	55
8	Oriented construction Cu ₃ P and Ni ₂ P heterojunction to boost overall water splitting. <i>Chemical Engineering Journal</i> , 2022, 448, 137706.	12.7	51
9	Ultra-small Ru nanoparticles embedded on Fe-Ni(OH) ₂ nanosheets for efficient water splitting at a large current density with long-term stability of 680 hours. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4817-4824.	10.3	46
10	Dual active site tandem catalysis of metal hydroxyl oxides and single atoms for boosting oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2021, 297, 120451.	20.2	44
11	Physically Adsorbed Metal Ions in Porous Supports as Electrocatalysts for Oxygen Evolution Reaction. <i>Advanced Functional Materials</i> , 2020, 30, 1909889.	14.9	32
12	Multiresponsive Tetra-Arylethene-Based Fluorescent Switch with Multicolored Changes: Single-Crystal Photochromism, Mechanochromism, and Acidochromism. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 40986-40994.	8.0	30
13	Donor \rightarrow acceptor \rightarrow donor type organic semiconductor containing quinoidal benzo[1,2-b:4,5-b']dithiophene for high performance n-channel field-effect transistors. <i>Chemical Communications</i> , 2014, 50, 985-987.	4.1	29
14	Capsule \rightarrow Capsule Conversion by Guest Encapsulation. <i>Angewandte Chemie</i> , 2016, 128, 2103-2106.	2.0	29
15	Capsule-bowl conversion triggered by a guest reaction. <i>Chemical Communications</i> , 2016, 52, 11653-11656.	4.1	26
16	An Accelerated Modular-Orthogonal Ni-Catalyzed Methodology to Symmetric and Nonsymmetric Constitutional Isomeric AB ₂ to AB ₉ Dendrons Exhibiting Unprecedented Self-Organizing Principles. <i>Journal of the American Chemical Society</i> , 2021, 143, 17724-17743.	13.7	25
17	Supercritical carbon dioxide-assisted preparation of palladium nanoparticles on cyclotriphosphazene-containing polymer nanospheres. <i>Applied Surface Science</i> , 2011, 257, 7129-7133.	6.1	19
18	Dissolution-enhanced emission of 1,3,6,8-Tetrakis(p-benzoic acid)pyrene for detecting arginine and lysine amino acids. <i>Dyes and Pigments</i> , 2020, 175, 108131.	3.7	18

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19	Benzo[1,2-b:4,5-b ^{€2}]dithiophene-Based Cruciforms: Syntheses, Crystal Structures, and Charge Transport Properties. ACS Applied Materials & Interfaces, 2013, 5, 663-671.	8.0	17
20	A Fully Conjugated 3D Covalent Organic Framework Exhibiting Band [€] like Transport with Ultrahigh Electron Mobility. Angewandte Chemie, 2021, 133, 9407-9411.	2.0	16
21	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
22	Saddle [€] 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
23	New ladder [€] 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
24	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
25	A Tri [€] state Fluorescent Switch with [€] Gated [€] Solid [€] state Photochromism Induced by an External Force. Chemistry - an Asian Journal, 2021, 16, 3713-3718.	3.3	8
26	Facile synthesis of Fe ₂ P/Co embedded trifunctional electrocatalyst for high-performance anion exchange membrane fuel cells, rechargeable Zn [€] air batteries, and overall water splitting. Journal of Materials Chemistry A, 2022, 10, 16037-16045.	10.3	8
27	Electron-Rich Pyrroloindacenodithiophenes: Synthesis, Characterization, and Spectroscopic Studies. Journal of Organic Chemistry, 2013, 78, 752-756.	3.2	7
28	Synthesis and Physicochemical Properties of Strong Electron Acceptor 14,14,15,15 [€] tetracyano [€] ,13 [€] pentacenequinodimethane (TCPQ) Diimide. European Journal of Organic Chemistry, 2012, 2012, 6136-6139.	2.4	5
29	Selective adsorption of SF ₆ in covalent- and metal [€] organic frameworks. Chinese Journal of Chemical Engineering, 2021, 39, 88-95.	3.5	5
30	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
31	Dissolution-enhanced emission of 1,3,6,8-tetrakis(<i>p</i> -benzoic acid)pyrene for selectively detecting protamine and [€] on-to-on [€] heparin detection in water. New Journal of Chemistry, 2021, 46, 345-351.	2.8	2
32	Frontispiece: Saddle [€] Shaped Building Blocks: A New Concept for Designing Fully Conjugated 3D Organic Semiconducting Materials. Chemistry - A European Journal, 2021, 27, .	3.3	0