

Xuanyu Yang

List of Publications by Year in descending order

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34
papers

1,147
citations

279701

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34
docs citations

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times ranked

1346
citing authors

#	ARTICLE	IF	CITATIONS
1	Rationally Designed Dual-Mesoporous Transition Metal Oxides/Noble Metal Nanocomposites for Fabrication of Gas Sensors in Real-Time Detection of 3-Hydroxy-2-Butanone Biomarker. <i>Advanced Functional Materials</i> , 2022, 32, 2107439.	7.8	46
2	Engineering Pore Walls of Mesoporous Tungsten Oxides via Ce Doping for the Development of High-Performance Smart Gas Sensors. <i>Chemistry of Materials</i> , 2022, 34, 2321-2332.	3.2	18
3	Recent advance in synthesis and application of heteroatom zeolites. <i>Chinese Chemical Letters</i> , 2021, 32, 328-338.	4.8	28
4	General and Efficient Synthesis of Two-Dimensional Monolayer Mesoporous Materials with Diverse Framework Compositions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 1222-1233.	4.0	9
5	A facile construction of heterostructured ZnO/Co ₃ O ₄ mesoporous spheres and superior acetone sensing performance. <i>Chinese Chemical Letters</i> , 2021, 32, 1998-2004.	4.8	19
6	Mesoporous Materials-Based Electrochemical Biosensors from Enzymatic to Nonenzymatic. <i>Small</i> , 2021, 17, e1904022.	5.2	49
7	Structure Engineering of Yolk-Shell Magnetic Mesoporous Silica Microspheres with Broccoli-Like Morphology for Efficient Catalysis and Enhanced Cellular Uptake. <i>Small</i> , 2021, 17, e2006925.	5.2	16
8	One-dimensional nanochains consisting of magnetic core and mesoporous aluminosilicate for use as efficient nanocatalysts. <i>Nano Research</i> , 2021, 14, 4197-4203.	5.8	9
9	Smart Cargo Delivery System based on Mesoporous Nanoparticles for Bone Disease Diagnosis and Treatment. <i>Advanced Science</i> , 2021, 8, e2004586.	5.6	28
10	Controllable Multicomponent Co-Assembly Approach to Ordered Mesoporous Zirconia Supported with Well-Dispersed Tungsten Oxide Clusters as High-Performance Catalysts. <i>ChemCatChem</i> , 2021, 13, 2863-2872.	1.8	8
11	Size-Controlled Au Nanoparticles Incorporating Mesoporous ZnO for Sensitive Ethanol Sensing. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 51933-51944.	4.0	40
12	Interface Assembly to Magnetic Mesoporous Organosilica Microspheres with Tunable Surface Roughness as Advanced Catalyst Carriers and Adsorbents. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 36138-36146.	4.0	14
13	Self-Hybrid Transition Metal Oxide Nanosheets Synthesized by a Facile Programmable and Scalable Carbonate-Template Method. <i>Small</i> , 2021, 17, e2103176.	5.2	13
14	Stepwise construction of Pt decorated oxygen-deficient mesoporous titania microspheres with core-shell structure and magnetic separability for efficient visible-light photocatalysis. <i>Chinese Chemical Letters</i> , 2020, 31, 1598-1602.	4.8	17
15	Au Nanoparticles Decorated Mesoporous SiO ₂ -WO ₃ Hybrid Materials with Improved Pore Connectivity for Ultratrace Ethanol Detection at Low Operating Temperature. <i>Small</i> , 2020, 16, e2004772.	5.2	37
16	Highly dispersed Pt nanoparticles on ultrasmall EMT zeolite: A peroxidase-mimic nanoenzyme for detection of H ₂ O ₂ or glucose. <i>Journal of Colloid and Interface Science</i> , 2020, 570, 300-311.	5.0	48
17	An Efficient Emulsion-Induced Interface Assembly Approach for Rational Synthesis of Mesoporous Carbon Spheres with Versatile Architectures. <i>Advanced Functional Materials</i> , 2020, 30, 2002488.	7.8	38
18	A Universal Lab-on-a-Particle Approach to 2D Single-Layer Ordered Mesoporous Materials. <i>Advanced Materials</i> , 2020, 32, e1906653.	11.1	41

#	ARTICLE	IF	CITATIONS
19	Recent advances in amphiphilic block copolymer templated mesoporous metal-based materials: assembly engineering and applications. <i>Chemical Society Reviews</i> , 2020, 49, 1173-1208.	18.7	103
20	Hollow Mesoporous Carbon Nanospheres Loaded with Pt Nanoparticles for Colorimetric Detection of Ascorbic Acid and Glucose. <i>ACS Applied Nano Materials</i> , 2020, 3, 4586-4598.	2.4	44
21	Recyclable Fenton-like catalyst based on zeolite Y supported ultrafine, highly-dispersed Fe ₂ O ₃ nanoparticles for removal of organics under mild conditions. <i>Chinese Chemical Letters</i> , 2019, 30, 324-330.	4.8	64
22	Large-Pore Mesoporous CeO ₂ -ZrO ₂ Solid Solutions with In-Pore Confined Pt Nanoparticles for Enhanced CO Oxidation. <i>Small</i> , 2019, 15, e1903058.	5.2	43
23	A General and Straightforward Route to Noble Metal-Decorated Mesoporous Transition-Metal Oxides with Enhanced Gas Sensing Performance. <i>Small</i> , 2019, 15, e1904240.	5.2	45
24	Mesoporous amorphous Al ₂ O ₃ /crystalline WO ₃ heterophase hybrids for electrocatalysis and gas sensing applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21874-21883.	5.2	34
25	Ordered mesoporous CoO/CeO ₂ heterostructures with highly crystallized walls and enhanced peroxidase-like bioactivity. <i>Applied Materials Today</i> , 2019, 15, 482-493.	2.3	33
26	Amphiphilic block copolymers directed synthesis of mesoporous nickel-based oxides with bimodal mesopores and nanocrystal-assembled walls. <i>Chinese Chemical Letters</i> , 2019, 30, 2003-2008.	4.8	17
27	Rational design of a stable peroxidase mimic for colorimetric detection of H ₂ O ₂ and glucose: A synergistic CeO ₂ /Zeolite Y nanocomposite. <i>Journal of Colloid and Interface Science</i> , 2019, 535, 425-435.	5.0	75
28	3D Interconnected Mesoporous Alumina with Loaded Hemoglobin as a Highly Active Electrochemical Biosensor for H ₂ O ₂ . <i>Advanced Healthcare Materials</i> , 2018, 7, e1800149.	3.9	28
29	One-step synthesis of in-situ N-doped ordered mesoporous titania for enhanced gas sensing performance. <i>Microporous and Mesoporous Materials</i> , 2018, 270, 75-81.	2.2	23
30	Amphiphilic Block Copolymers Directed Interface Coassembly to Construct Multifunctional Microspheres with Magnetic Core and Monolayer Mesoporous Aluminosilicate Shell. <i>Advanced Materials</i> , 2018, 30, e1800345.	11.1	45
31	Synthesis of ZSM-5 aggregates made of zeolite nanocrystals through a simple solvent-free method. <i>Microporous and Mesoporous Materials</i> , 2017, 243, 112-118.	2.2	47
32	Alcoholysis of Starch to Produce Alkyl Polyglycosides with Sub-Critical Isooctyl Alcohol. <i>Journal of Surfactants and Detergents</i> , 2016, 19, 879-884.	1.0	6
33	Microwave-enhanced hydrolysis of poultry feather to produce amino acid. <i>Chemical Engineering and Processing: Process Intensification</i> , 2015, 87, 104-109.	1.8	30
34	Alcoholysis of PET to produce dioctyl terephthalate by isooctyl alcohol with ionic liquid as cosolvent. <i>Polymer Degradation and Stability</i> , 2014, 107, 178-183.	2.7	32