Yuan Zhang

List of Publications by Year
in descending order

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55 papers	2,345 citations	279798 23 h-index	206112 48 g-index
56 all docs	56 docs citations	56 times ranked	3648 citing authors

#	Article	IF	Citations
1	1T-Phase molybdenum sulfide/cobalt oxide nanopillars hybrid nanostructure coupled with nitrogen-doped carbon thin-film as high efficiency electrocatalyst for oxygen evolution. Journal of Colloid and Interface Science, 2022, 608, 3040-3048.	9.4	2
2	Coupling effects of beam-beam interaction and longitudinal impedance. Physical Review Accelerators and Beams, 2022, 25, .	1.6	8
3	Metallizationâ€Prompted Robust Porphyrinâ€Based Hydrogenâ€Bonded Organic Frameworks for Photocatalytic CO₂ Reduction. Angewandte Chemie - International Edition, 2022, 61, .	13.8	81
4	Metallizationâ€Prompted Robust Porphyrinâ€Based Hydrogenâ€Bonded Organic Frameworks for Photocatalytic CO₂ Reduction. Angewandte Chemie, 2022, 134, .	2.0	15
5	Solventâ€Free Strategy for Direct Access to Versatile Quaternary Ammonium Salts with Complete Atom Economy. ChemSusChem, 2022, 15, .	6.8	2
6	2Hâ€“MoS2/Co3O4 nanohybrid with type I nitroreductase-mimicking activity for the electrochemical assays of nitroaromatic compounds. Analytica Chimica Acta, 2022, 1221, 340078.	5.4	10
7	Design and Application of Metal Organic Framework ZIF-90-ZnO-MoS₂ Nanohybrid for an Integrated Electrochemical Liquid Biopsy. Nano Letters, 2022, 22, 6833-6840.	9.1	8
8	Universal linker Polymerase Chain Reaction-triggered Strand Displacement Amplification visual biosensor for ultra-sensitive detection of Salmonella. Talanta, 2021, 222, 121575.	5.5	11
9	RhIr@MoS2 nanohybrids based disposable microsensor for the point-of-care testing of NADH in real human serum. Chinese Chemical Letters, 2020, 31, 2115-2118.	9.0	5
10	Effect of additives on the growth of HKUST-1 crystals synthesized by microfluidic chips with concentration gradient. Biomicrofluidics, 2020, 14, 034110.	2.4	4
11	Synchrotron radiation effects on the dynamic aperture of CEPC. International Journal of Modern Physics A, 2020, 35, 2041006.	1.5	1
12	Luminescent DNAzyme and universal blocking linker Super Polymerase Chain Reaction visual biosensor for the detection of Salmonella. Food Chemistry, 2020, 324, 126859.	8.2	26
13	Phaseâ€Regulated Sensing Mechanism of MoS 2 Based Nanohybrids toward Pointâ€ofâ€Care Prostate Cancer Diagnosis. Small, 2020, 16, 2000307.	10.0	13
14	Design and beam dynamics of the CEPC booster. International Journal of Modern Physics A, 2020, 35, 2041007.	1.5	6
15	Rapid Evaluation Method of Post Dialysate Urea Nitrogen Measurement for Chronic Kidney Disease Patients By Using Non-Enzymatic N-Doped Carbon Supported Nickel Based Biosensor. ECS Meeting Abstracts, 2020, MA2020-01, 2028-2028.	0.0	0
16	A Bio-Conjugation Chemistry Strategy to Self-Immobilize Antibodies with ZIF-90-ZnO-MoS2 Nanohybrid for Exosome Markers Analysis. ECS Meeting Abstracts, 2020, MA2020-01, 2462-2462.	0.0	0
17	Label-free visual biosensor based on cascade amplification for the detection of Salmonella. Analytica Chimica Acta, 2019, 1075, 144-151.	5.4	25
18	Detection of Phenylketonuria Markers Using a ZIF-67 Encapsulated PtPd Alloy Nanoparticle (PtPd@ZIF-67)-Based Disposable Electrochemical Microsensor. ACS Applied Materials & Interfaces, 2019, 11, 20734-20742.	8.0	43

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19	Schiff-base reaction induced selective sensing of trace dopamine based on a Pt41Rh59 alloy/ZIF-90 nanocomposite. Nanotechnology, 2019, 30, 335708.	2.6	9
20	DNA conformational polymorphism for biosensing applications. Biosensors and Bioelectronics, 2019, 131, 237-249.	10.1	28
21	Effect of surface defects on order modulations in mesoscopic p-wave superconducting loops. European Physical Journal B, 2019, 92, 1.	1.5	1
22	TiO₂ Nanoparticle-Enhanced Linker Recombinant Strand Displacement Amplification (LRSDA) for Universal Label-Free Visual Bioassays. ACS Applied Materials & Interfaces, 2019, 11, 46504-46514.	8.0	24
23	An integrated micro-chip with Ru/Al2O3/ZnO as sensing material for SO2 detection. Sensors and Actuators B: Chemical, 2018, 262, 26-34.	7.8	64
24	Determination of Tranquilizers in Swine Urine by Ultra-High-Performance Liquid Chromatography-Tandem Mass Spectrometry. Molecules, 2018, 23, 3215.	3.8	2
25	Highly effective and specific way for the trace analysis of carbaryl insecticides based on Au₄₂Rh₅₈ alloy nanocrystals. Journal of Materials Chemistry A, 2017, 5, 7064-7071.	10.3	19
26	SPPC/CEPC lattice design and beam dynamics study. International Journal of Modern Physics A, 2017, 32, 1746005.	1.5	1
27	100 km CEPC parameters and lattice design. International Journal of Modern Physics A, 2017, 32, 1746006.	1.5	4
28	3D Microstructure Inhibits Mesenchymal Stem Cells Homing to the Site of Liver Cancer Cells on a Microchip. Genes, 2017, 8, 218.	2.4	9
29	CEPC Partial Double Ring Lattice Design and SPPC Lattice Design. , 2017, , 189-207.		1
30	Automated multi-plug filtration cleanup for liquid chromatographicâ€“tandem mass spectrometric pesticide multi-residue analysis in representative crop commodities. Journal of Chromatography A, 2016, 1462, 19-26.	3.7	37
31	Oscillatory expression in Escherichia coli mediated by microRNAs with transcriptional and translational time delays. IET Systems Biology, 2016, 10, 203-209.	1.5	6
32	PtW/MoS2 hybrid nanocomposite for electrochemical sensing of H2O2 released from living cells. Biosensors and Bioelectronics, 2016, 80, 601-606.	10.1	96
33	The comparison of dispersive solid phase extraction and multi-plug filtration cleanup method based on multi-walled carbon nanotubes for pesticides multi-residue analysis by liquid chromatography tandem mass spectrometry. Journal of Chromatography A, 2015, 1385, 1-11.	3.7	75
34	One-step synthesis of zincâ€“cobalt layered double hydroxide (Znâ€“Co-LDH) nanosheets for high-efficiency oxygen evolution reaction. Journal of Materials Chemistry A, 2015, 3, 6878-6883.	10.3	177
35	Porous corundum-type In₂O₃ nanoflowers: controllable synthesis, enhanced ethanol-sensing properties and response mechanism. CrystEngComm, 2015, 17, 3268-3276.	2.6	111
36	Isocyanide-Based Multicomponent Reactions: Rapid Synthesis of a 5,5-Fused Bicyclic Skeleton from Î±,Î²-Unsaturated Ketones and Allenoates. Synthesis, 2015, 47, 2414-2430.	2.3	14

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37	Pt₃₅Cu₆₅nanoarchitecture: a highly durable and effective electrocatalyst towards methanol oxidation. Nanotechnology, 2015, 26, 135706.	2.6	9
38	CuO nanoparticles incorporated in hierarchical MFI zeolite as highly active electrocatalyst for non-enzymatic glucose sensing. Colloids and Surfaces B: Biointerfaces, 2015, 125, 206-212.	5.0	31
39	Porous corundum-type In2O3 nanosheets: Synthesis and NO2 sensing properties. Sensors and Actuators B: Chemical, 2015, 208, 436-443.	7.8	143
40	Direct electrodeposition of cable-like CuO@Cu nanowires array for non-enzymatic sensing. Talanta, 2015, 132, 719-726.	5.5	54
41	Electrochemical sensor based on EDTA intercalated into layered double hydroxides of magnesium and aluminum for ultra trace level detection of lead (II). Mikrochimica Acta, 2015, 182, 653-659.	5.0	23
42	Integrated Pt2Ni alloy@Pt coreâ€“shell nanoarchitectures with high electrocatalytic activity for oxygen reduction reaction. Journal of Materials Chemistry A, 2014, 2, 11400.	10.3	28
43	An electroless-plating-like solution deposition approach for large-area flexible thin films of transition metal oxide nanocrystals. Journal of Materials Chemistry C, 2014, 2, 2266-2271.	5.5	9
44	Improvement of Amperometric Biosensor Performance for H₂O₂Detection based on Bimetallic PtM (M = Ru, Au, and Ir) Nanoparticles. International Journal of Electrochemistry, 2012, 2012, 1-8.	2.4	31
45	Three Dimensional PtRh Alloy Porous Nanostructures: Tuning the Atomic Composition and Controlling the Morphology for the Application of Direct Methanol Fuel Cells. Advanced Functional Materials, 2012, 22, 3570-3575.	14.9	103
46	NH₃ Sensing Mechanism Investigation of CuBr: Different Complex Interactions of the Cu⁺ Ion with NH₃ and O₂ Molecules. Journal of Physical Chemistry C, 2011, 115, 2014-2019.	3.1	21
47	Bimetallic Pt-Ru Nanoparticle Catalyst for Hydrogen Peroxide Detection. Journal of Nanotechnology, 2011, 2011, 1-6.	3.4	12
48	Preparation and characterization of triple polymerâ€coated controlledâ€release urea with waterâ€retention property and enhanced durability. Journal of Applied Polymer Science, 2011, 120, 2103-2111.	2.6	41
49	Ag nanoparticle embedded-ZnO nanorods synthesized via a photochemical method and its gas-sensing properties. Sensors and Actuators B: Chemical, 2010, 143, 635-640.	7.8	237
50	Decoration of ZnO nanowires with Pt nanoparticles and their improved gas sensing and photocatalytic performance. Nanotechnology, 2010, 21, 285501.	2.6	131
51	Synthesis and characterization of functionalized acrylicâ€acrylamideâ€based superabsorbent gels. Journal of Applied Polymer Science, 2009, 114, 2828-2836.	2.6	8
52	Self-assemblies of Pd nanoparticles on the surfaces of single crystal ZnO nanowires for chemical sensors with enhanced performances. Journal of Materials Chemistry, 2009, 19, 4701.	6.7	157
53	Brush-Like Hierarchical ZnO Nanostructures: Synthesis, Photoluminescence and Gas Sensor Properties. Journal of Physical Chemistry C, 2009, 113, 3430-3435.	3.1	343
54	CdSnO3 micro-cubes with porous architecture: synthesis and gas-sensing properties. CrystEngComm, 2009, 11, 2615.	2.6	26

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55	Diodeâ€laser isotope enrichment of rubidium with a polarized atomic beam. Applied Physics Letters, 1993, 63, 3568-3570.	3.3	0