

# 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	Brush-Like Hierarchical ZnO Nanostructures: Synthesis, Photoluminescence and Gas Sensor Properties. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3430-3435.	3.1	343
2	Ag nanoparticle embedded-ZnO nanorods synthesized via a photochemical method and its gas-sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2010, 143, 635-640.	7.8	237
3	One-step synthesis of zinc-cobalt layered double hydroxide (Zn-Co-LDH) nanosheets for high-efficiency oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6878-6883.	10.3	177
4	Self-assemblies of Pd nanoparticles on the surfaces of single crystal ZnO nanowires for chemical sensors with enhanced performances. <i>Journal of Materials Chemistry</i> , 2009, 19, 4701.	6.7	157
5	Porous corundum-type In <sub>2</sub> O <sub>3</sub> nanosheets: Synthesis and NO <sub>2</sub> sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2015, 208, 436-443.	7.8	143
6	Decoration of ZnO nanowires with Pt nanoparticles and their improved gas sensing and photocatalytic performance. <i>Nanotechnology</i> , 2010, 21, 285501.	2.6	131
7	Porous corundum-type In <sub>2</sub> O <sub>3</sub> nanoflowers: controllable synthesis, enhanced ethanol-sensing properties and response mechanism. <i>CrystEngComm</i> , 2015, 17, 3268-3276.	2.6	111
8	Three Dimensional PtRh Alloy Porous Nanostructures: Tuning the Atomic Composition and Controlling the Morphology for the Application of Direct Methanol Fuel Cells. <i>Advanced Functional Materials</i> , 2012, 22, 3570-3575.	14.9	103
9	PtW/MoS <sub>2</sub> hybrid nanocomposite for electrochemical sensing of H <sub>2</sub> O <sub>2</sub> released from living cells. <i>Biosensors and Bioelectronics</i> , 2016, 80, 601-606.	10.1	96
10	Metallization-Prompted Robust Porphyrin-Based Hydrogen-Bonded Organic Frameworks for Photocatalytic CO <sub>2</sub> Reduction. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	81
11	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. <i>Journal of Chromatography A</i> , 2015, 1385, 1-11.	3.7	75
12	An integrated micro-chip with Ru/Al <sub>2</sub> O <sub>3</sub> /ZnO as sensing material for SO <sub>2</sub> detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 26-34.	7.8	64
13	Direct electrodeposition of cable-like CuO@Cu nanowires array for non-enzymatic sensing. <i>Talanta</i> , 2015, 132, 719-726.	5.5	54
14	Detection of Phenylketonuria Markers Using a ZIF-67 Encapsulated PtPd Alloy Nanoparticle (PtPd@ZIF-67)-Based Disposable Electrochemical Microsensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 20734-20742.	8.0	43
15	Preparation and characterization of triple polymer-coated controlled-release urea with water retention property and enhanced durability. <i>Journal of Applied Polymer Science</i> , 2011, 120, 2103-2111.	2.6	41
16	Automated multi-plug filtration cleanup for liquid chromatographic tandem mass spectrometric pesticide multi-residue analysis in representative crop commodities. <i>Journal of Chromatography A</i> , 2016, 1462, 19-26.	3.7	37
17	Improvement of Amperometric Biosensor Performance for H <sub>2</sub> O <sub>2</sub> Detection based on Bimetallic PtM (M = Ru, Au, and Ir) Nanoparticles. <i>International Journal of Electrochemistry</i> , 2012, 2012, 1-8.	2.4	31
18	CuO nanoparticles incorporated in hierarchical MFI zeolite as highly active electrocatalyst for non-enzymatic glucose sensing. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 125, 206-212.	5.0	31

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19	Integrated Pt <sub>2</sub> Ni alloy@Pt core-shell nanoarchitectures with high electrocatalytic activity for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11400.	10.3	28
20	DNA conformational polymorphism for biosensing applications. <i>Biosensors and Bioelectronics</i> , 2019, 131, 237-249.	10.1	28
21	CdSnO <sub>3</sub> micro-cubes with porous architecture: synthesis and gas-sensing properties. <i>CrystEngComm</i> , 2009, 11, 2615.	2.6	26
22	Luminescent DNAzyme and universal blocking linker Super Polymerase Chain Reaction visual biosensor for the detection of Salmonella. <i>Food Chemistry</i> , 2020, 324, 126859.	8.2	26
23	Label-free visual biosensor based on cascade amplification for the detection of Salmonella. <i>Analytica Chimica Acta</i> , 2019, 1075, 144-151.	5.4	25
24	TiO <sub>2</sub> Nanoparticle-Enhanced Linker Recombinant Strand Displacement Amplification (LRSDA) for Universal Label-Free Visual Bioassays. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 46504-46514.	8.0	24
25	Electrochemical sensor based on EDTA intercalated into layered double hydroxides of magnesium and aluminum for ultra trace level detection of lead (II). <i>Mikrochimica Acta</i> , 2015, 182, 653-659.	5.0	23
26	NH <sub>3</sub> Sensing Mechanism Investigation of CuBr: Different Complex Interactions of the Cu <sup>+</sup> Ion with NH <sub>3</sub> and O <sub>2</sub> Molecules. <i>Journal of Physical Chemistry C</i> , 2011, 115, 2014-2019.	3.1	21
27	Highly effective and specific way for the trace analysis of carbaryl insecticides based on Au <sub>42</sub> Rh <sub>58</sub> alloy nanocrystals. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7064-7071.	10.3	19
28	Metallization-Prompted Robust Porphyrin-Based Hydrogen-Bonded Organic Frameworks for Photocatalytic CO <sub>2</sub> Reduction. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	15
29	Isocyanide-Based Multicomponent Reactions: Rapid Synthesis of a 5,5-Fused Bicyclic Skeleton from $\alpha,\beta$ -Unsaturated Ketones and Allenolates. <i>Synthesis</i> , 2015, 47, 2414-2430.	2.3	14
30	Phase-Regulated Sensing Mechanism of MoS <sub>2</sub> Based Nanohybrids toward Point-of-Care Prostate Cancer Diagnosis. <i>Small</i> , 2020, 16, 2000307.	10.0	13
31	Bimetallic Pt-Ru Nanoparticle Catalyst for Hydrogen Peroxide Detection. <i>Journal of Nanotechnology</i> , 2011, 2011, 1-6.	3.4	12
32	Universal linker Polymerase Chain Reaction-triggered Strand Displacement Amplification visual biosensor for ultra-sensitive detection of Salmonella. <i>Talanta</i> , 2021, 222, 121575.	5.5	11
33	2H-MoS <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> nanohybrid with type I nitroreductase-mimicking activity for the electrochemical assays of nitroaromatic compounds. <i>Analytica Chimica Acta</i> , 2022, 1221, 340078.	5.4	10
34	An electroless-plating-like solution deposition approach for large-area flexible thin films of transition metal oxide nanocrystals. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2266-2271.	5.5	9
35	Pt <sub>35</sub> Cu <sub>65</sub> nanoarchitecture: a highly durable and effective electrocatalyst towards methanol oxidation. <i>Nanotechnology</i> , 2015, 26, 135706.	2.6	9
36	3D Microstructure Inhibits Mesenchymal Stem Cells Homing to the Site of Liver Cancer Cells on a Microchip. <i>Genes</i> , 2017, 8, 218.	2.4	9

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37	Schiff-base reaction induced selective sensing of trace dopamine based on a Pt41Rh59 alloy/ZIF-90 nanocomposite. <i>Nanotechnology</i> , 2019, 30, 335708.	2.6	9
38	Synthesis and characterization of functionalized acrylicâ€acrylamideâ€based superabsorbent gels. <i>Journal of Applied Polymer Science</i> , 2009, 114, 2828-2836.	2.6	8
39	Coupling effects of beam-beam interaction and longitudinal impedance. <i>Physical Review Accelerators and Beams</i> , 2022, 25, .	1.6	8
40	Design and Application of Metal Organic Framework ZIF-90-ZnO-MoS<sub>2</sub> Nanohybrid for an Integrated Electrochemical Liquid Biopsy. <i>Nano Letters</i> , 2022, 22, 6833-6840.	9.1	8
41	Oscillatory expression in <i>Escherichia coli</i> mediated by microRNAs with transcriptional and translational time delays. <i>IET Systems Biology</i> , 2016, 10, 203-209.	1.5	6
42	Design and beam dynamics of the CEPC booster. <i>International Journal of Modern Physics A</i> , 2020, 35, 2041007.	1.5	6
43	RhIr@MoS2 nanohybrids based disposable microsensor for the point-of-care testing of NADH in real human serum. <i>Chinese Chemical Letters</i> , 2020, 31, 2115-2118.	9.0	5
44	100 km CEPC parameters and lattice design. <i>International Journal of Modern Physics A</i> , 2017, 32, 1746006.	1.5	4
45	Effect of additives on the growth of HKUST-1 crystals synthesized by microfluidic chips with concentration gradient. <i>Biomicrofluidics</i> , 2020, 14, 034110.	2.4	4
46	Determination of Tranquilizers in Swine Urine by Ultra-High-Performance Liquid Chromatography-Tandem Mass Spectrometry. <i>Molecules</i> , 2018, 23, 3215.	3.8	2
47	1T-Phase molybdenum sulfide/cobalt oxide nanopillars hybrid nanostructure coupled with nitrogen-doped carbon thin-film as high efficiency electrocatalyst for oxygen evolution. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 3040-3048.	9.4	2
48	Solventâ€Free Strategy for Direct Access to Versatile Quaternary Ammonium Salts with Complete Atom Economy. <i>ChemSusChem</i> , 2022, 15, .	6.8	2
49	SPPC/CEPC lattice design and beam dynamics study. <i>International Journal of Modern Physics A</i> , 2017, 32, 1746005.	1.5	1
50	Effect of surface defects on order modulations in mesoscopic p-wave superconducting loops. <i>European Physical Journal B</i> , 2019, 92, 1.	1.5	1
51	Synchrotron radiation effects on the dynamic aperture of CEPC. <i>International Journal of Modern Physics A</i> , 2020, 35, 2041006.	1.5	1
52	CEPC Partial Double Ring Lattice Design and SPPC Lattice Design. , 2017, , 189-207.		1
53	Diodeâ€laser isotope enrichment of rubidium with a polarized atomic beam. <i>Applied Physics Letters</i> , 1993, 63, 3568-3570.	3.3	0
54	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. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 2028-2028.	0.0	0

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55	A Bio-Conjugation Chemistry Strategy to Self-Immobilize Antibodies with ZIF-90-ZnO-MoS <sub>2</sub> Nanohybrid for Exosome Markers Analysis. ECS Meeting Abstracts, 2020, MA2020-01, 2462-2462.	0.0	0