

# Shao-Bin He

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

1,519  
citations

346980

22  
h-index

355658

38  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2023  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cucurbit[ <i>n</i> ]uril Supramolecular Assemblies-Regulated Charge Transfer for Luminescence Switching of Gold Nanoclusters. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 419-426.	2.1	12
2	Immunofluorescent-aggregation assay based on anti-Salmonella typhimurium IgG-AuNCs, for rapid detection of Salmonella typhimurium. <i>Mikrochimica Acta</i> , 2022, 189, 160.	2.5	7
3	Fructose oxidase-like activity of CuO nanoparticles supported by phosphate for a tandem catalysis-based fructose sensor. <i>Analytica Chimica Acta</i> , 2022, 1220, 340064.	2.6	9
4	Rutin as a coenzyme of Fe-doped silicon nanozyme with enhanced peroxidase-like activity for a colorimetric I <sup>2</sup> -glucuronidase sensor. <i>Microchemical Journal</i> , 2022, 181, 107771.	2.3	1
5	Single gold nanocluster probe-based fluorescent sensor array for heavy metal ion discrimination. <i>Journal of Hazardous Materials</i> , 2021, 405, 124259.	6.5	43
6	Engineering of oxygen vacancies regulated core-shell N-doped carbon@NiFe <sub>2</sub> O <sub>4</sub> nanospheres: A superior bifunctional electrocatalyst for boosting the kinetics of oxygen and hydrogen evaluation reactions. <i>Chemical Engineering Journal</i> , 2021, 405, 126732.	6.6	46
7	Rational construction of N,S-doped carbon wrapped MnFe <sub>2</sub> O <sub>4</sub> nanospheres with copious oxygen deficiency as extremely efficient and robust electrocatalyst for urea electrocatalysis. <i>Journal of Power Sources</i> , 2021, 494, 229757.	4.0	14
8	Protein-Assisted Osmium Nanoclusters with Intrinsic Peroxidase-like Activity and Extrinsic Antifouling Behavior. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 44541-44548.	4.0	13
9	Bifunctional cupric oxide nanoparticle-catalyzed self-cascade oxidation reactions of ascorbic acid for bacterial killing and wound disinfection. <i>Composites Part B: Engineering</i> , 2021, 222, 109074.	5.9	21
10	Acetaminophen sensor based on the oxidase-like activity and interference self-elimination ability of chondroitin sulfate-modified platinum nanozyme. <i>Sensors and Actuators B: Chemical</i> , 2021, 347, 130627.	4.0	25
11	A peroxidase-like activity-based colorimetric sensor array of noble metal nanozymes to discriminate heavy metal ions. <i>Analyst</i> , 2021, 147, 101-108.	1.7	22
12	Ascorbate Oxidase Mimetic Activity of Copper(II) Oxide Nanoparticles. <i>ChemBioChem</i> , 2020, 21, 978-984.	1.3	32
13	Heparin-platinum nanozymes with enhanced oxidase-like activity for the colorimetric sensing of isoniazid. <i>Talanta</i> , 2020, 211, 120707.	2.9	40
14	Rational Design of High-Performance Donor-Linker-Acceptor Hybrids Using a Schiff Base for Enabling Photoinduced Electron Transfer. <i>Analytical Chemistry</i> , 2020, 92, 2019-2026.	3.2	54
15	A Heparinase Sensor Based on a Ternary System of Hg <sup>2+</sup> -Heparin-Osmium Nanoparticles. <i>Analytical Chemistry</i> , 2020, 92, 1635-1642.	3.2	37
16	Highly sensitive colorimetric sensor for detection of iodine ions using carboxylated chitosan-coated palladium nanozyme. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 499-506.	1.9	38
17	Osmium nanozyme as peroxidase mimic with high performance and negligible interference of O <sub>2</sub> . <i>Journal of Materials Chemistry A</i> , 2020, 8, 25226-25234.	5.2	44
18	Bimetallic AgAu decorated MWCNTs enable robust nonenzyme electrochemical sensors for in-situ quantification of dopamine and H <sub>2</sub> O <sub>2</sub> biomarkers expelled from PC-12 cells. <i>Journal of Electroanalytical Chemistry</i> , 2020, 878, 114554.	1.9	15

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19	Sodium Alginate Modified Platinum Nanozymes With Highly Efficient and Robust Oxidase-Like Activity for Antioxidant Capacity and Analysis of Proanthocyanidins. <i>Frontiers in Chemistry</i> , 2020, 8, 654.	1.8	10
20	Oxygen vacancy confined nickel cobaltite nanostructures as an excellent interface for the enzyme-free electrochemical sensing of extracellular H <sub>2</sub> O <sub>2</sub> secreted from live cells. <i>New Journal of Chemistry</i> , 2020, 44, 14050-14059.	1.4	21
21	Decisive role of pH in synthesis of high purity fluorescent BSA-Au <sub>20</sub> nanoclusters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 239, 118520.	2.0	4
22	Defects engineered 2D ultrathin cobalt hydroxide nanosheets as highly efficient electrocatalyst for non-enzymatic electrochemical sensing of glucose and L-cysteine. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128374.	4.0	48
23	Protein-Supported RuO <sub>2</sub> Nanoparticles with Improved Catalytic Activity, In Vitro Salt Resistance, and Biocompatibility: Colorimetric and Electrochemical Biosensing of Cellular H <sub>2</sub> O <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 14876-14883.	4.0	37
24	Schiff base and Lewis acid-base interaction-regulated aggregation/dispersion of gold nanoparticles for colorimetric recognition of rare-earth Sc <sup>3+</sup> ions. <i>Sensors and Actuators B: Chemical</i> , 2020, 311, 127925.	4.0	14
25	One-pot cascade catalysis at neutral pH driven by CuO tandem nanozyme for ascorbic acid and alkaline phosphatase detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128511.	4.0	41
26	Platinum group element-based nanozymes for biomedical applications: An overview. <i>Biomedical Materials (Bristol)</i> , 2020, , .	1.7	7
27	Immunoglobulin G-Encapsulated Gold Nanoclusters as Fluorescent Tags for Dot-Blot Immunoassays. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 31729-31734.	4.0	36
28	Improved enzymatic assay for hydrogen peroxide and glucose by exploiting the enzyme-mimicking properties of BSA-coated platinum nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 778.	2.5	29
29	Regulation of metal ion selectivity of fluorescent gold nanoclusters by metallophilic interactions. <i>Analytica Chimica Acta</i> , 2019, 1088, 116-122.	2.6	21
30	Target-triggered inhibiting oxidase-mimicking activity of platinum nanoparticles for ultrasensitive colorimetric detection of silver ion. <i>Chinese Chemical Letters</i> , 2019, 30, 1659-1662.	4.8	33
31	Gold nanocluster-based fluorescence turn-off probe for sensing of doxorubicin by photoinduced electron transfer. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126656.	4.0	62
32	Colorimetric tyrosinase assay based on catechol inhibition of the oxidase-mimicking activity of chitosan-stabilized platinum nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 301.	2.5	23
33	Redox Recycling-Triggered Peroxidase-Like Activity Enhancement of Bare Gold Nanoparticles for Ultrasensitive Colorimetric Detection of Rare-Earth Ce <sup>3+</sup> Ion. <i>Analytical Chemistry</i> , 2019, 91, 4039-4046.	3.2	80
34	Self-Referenced Ratiometric Detection of Sulfatase Activity with Dual-Emissive Urease-Encapsulated Gold Nanoclusters. <i>ACS Sensors</i> , 2019, 4, 344-352.	4.0	45
35	Peroxidase-like activity of nanocrystalline cobalt selenide and its application for uric acid detection. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 3295-3302.	3.3	20
36	Methionine-directed fabrication of gold nanoclusters with yellow fluorescent emission for Cu <sup>2+</sup> sensing. <i>Biosensors and Bioelectronics</i> , 2015, 65, 397-403.	5.3	116

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37	Choline and acetylcholine detection based on peroxidase-like activity and protein antifouling property of platinum nanoparticles in bovine serum albumin scaffold. <i>Biosensors and Bioelectronics</i> , 2014, 62, 331-336.	5.3	98
38	Citrate-Capped Platinum Nanoparticle as a Smart Probe for Ultrasensitive Mercury Sensing. <i>Analytical Chemistry</i> , 2014, 86, 10955-10960.	3.2	248
39	Synthesis and Peroxidase-Like Activity of Salt-Resistant Platinum Nanoparticles by Using Bovine Serum Albumin as the Scaffold. <i>ChemCatChem</i> , 2014, 6, 1543-1548.	1.8	53