

Shao-Bin He

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37
papers

937
citations

18
h-index

30
g-index

40
ext. papers

1,245
ext. citations

7.5
avg, IF

4.55
L-index

#	Paper	IF	Citations
37	Cucurbit[5]uril Supramolecular Assemblies-Regulated Charge Transfer for Luminescence Switching of Gold Nanoclusters.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 419-426	6.4	2
36	Immunofluorescent-aggregation assay based on anti-Salmonella typhimurium IgG-AuNCs, for rapid detection of Salmonella typhimurium.. <i>Mikrochimica Acta</i> , 2022 , 189, 160	5.8	1
35	A peroxidase-like activity-based colorimetric sensor array of noble metal nanozymes to discriminate heavy metal ions. <i>Analyst, The</i> , 2021 ,	5	5
34	Rational construction of N,S-doped carbon wrapped MnFe ₂ O ₄ nanospheres with copious oxygen deficiency as extremely efficient and robust electrocatalyst for urea electrocatalysis. <i>Journal of Power Sources</i> , 2021 , 494, 229757	8.9	5
33	Single gold nanocluster probe-based fluorescent sensor array for heavy metal ion discrimination. <i>Journal of Hazardous Materials</i> , 2021 , 405, 124259	12.8	18
32	Engineering of oxygen vacancies regulated core-shell N-doped carbon@NiFe ₂ O ₄ nanospheres: A superior bifunctional electrocatalyst for boosting the kinetics of oxygen and hydrogen evolution reactions. <i>Chemical Engineering Journal</i> , 2021 , 405, 126732	14.7	20
31	Protein-Assisted Osmium Nanoclusters with Intrinsic Peroxidase-like Activity and Extrinsic Antifouling Behavior. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 44541-44548	9.5	3
30	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	10	6
29	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	8.5	3
28	Decisive role of pH in synthesis of high purity fluorescent BSA-Au nanoclusters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 239, 118520	4.4	0
27	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	8.5	26
26	Protein-Supported RuO Nanoparticles with Improved Catalytic Activity, In Vitro Salt Resistance, and Biocompatibility: Colorimetric and Electrochemical Biosensing of Cellular HO. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14876-14883	9.5	24
25	Schiff base and Lewis acid-base interaction-regulated aggregation/dispersion of gold nanoparticles for colorimetric recognition of rare-earth Sc ³⁺ ions. <i>Sensors and Actuators B: Chemical</i> , 2020 , 311, 127925	8.5	5
24	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	8.5	17
23	Platinum group element-based nanozymes for biomedical applications: An overview. <i>Biomedical Materials (Bristol)</i> , 2020 ,	3.5	3
22	Ascorbate Oxidase Mimetic Activity of Copper(II) Oxide Nanoparticles. <i>ChemBioChem</i> , 2020 , 21, 978-984	3.8	18
21	Heparin-platinum nanozymes with enhanced oxidase-like activity for the colorimetric sensing of isoniazid. <i>Talanta</i> , 2020 , 211, 120707	6.2	19

20	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	7.8	28
19	A Heparinase Sensor Based on a Ternary System of Hg-Heparin-Osmium Nanoparticles. <i>Analytical Chemistry</i> , 2020 , 92, 1635-1642	7.8	17
18	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	4.4	25
17	Osmium nanozyme as peroxidase mimic with high performance and negligible interference of O ₂ . <i>Journal of Materials Chemistry A</i> , 2020 , 8, 25226-25234	13	19
16	Bimetallic AgAu decorated MWCNTs enable robust nonenzyme electrochemical sensors for in-situ quantification of dopamine and H ₂ O ₂ biomarkers expelled from PC-12 cells. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 878, 114554	4.1	8
15	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	5	4
14	Oxygen vacancy confined nickel cobaltite nanostructures as an excellent interface for the enzyme-free electrochemical sensing of extracellular H ₂ O ₂ secreted from live cells. <i>New Journal of Chemistry</i> , 2020 , 44, 14050-14059	3.6	10
13	Regulation of metal ion selectivity of fluorescent gold nanoclusters by metallophilic interactions. <i>Analytica Chimica Acta</i> , 2019 , 1088, 116-122	6.6	15
12	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	8.1	22
11	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	8.5	33
10	Colorimetric tyrosinase assay based on catechol inhibition of the oxidase-mimicking activity of chitosan-stabilized platinum nanoparticles. <i>Mikrochimica Acta</i> , 2019 , 186, 301	5.8	15
9	Redox Recycling-Triggered Peroxidase-Like Activity Enhancement of Bare Gold Nanoparticles for Ultrasensitive Colorimetric Detection of Rare-Earth Ce Ion. <i>Analytical Chemistry</i> , 2019 , 91, 4039-4046	7.8	57
8	Immunoglobulin G-Encapsulated Gold Nanoclusters as Fluorescent Tags for Dot-Blot Immunoassays. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 31729-31734	9.5	24
7	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	5.8	19
6	Self-Referenced Ratiometric Detection of Sulfatase Activity with Dual-Emissive Urease-Encapsulated Gold Nanoclusters. <i>ACS Sensors</i> , 2019 , 4, 344-352	9.2	32
5	Peroxidase-like activity of nanocrystalline cobalt selenide and its application for uric acid detection. <i>International Journal of Nanomedicine</i> , 2017 , 12, 3295-3302	7.3	13
4	Methionine-directed fabrication of gold nanoclusters with yellow fluorescent emission for Cu(2+) sensing. <i>Biosensors and Bioelectronics</i> , 2015 , 65, 397-403	11.8	90
3	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, 331-6	11.8	81

- 2 Citrate-capped platinum nanoparticle as a smart probe for ultrasensitive mercury sensing. *Analytical Chemistry*, **2014**, 86, 10955-60 7.8 203
- 1 Synthesis and Peroxidase-Like Activity of Salt-Resistant Platinum Nanoparticles by Using Bovine Serum Albumin as the Scaffold. *ChemCatChem*, **2014**, 6, 1543-1548 5.2 47