

Shuangfei Cai

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,486
citations

430874

18
h-index

580821

25
g-index

26
all docs

26
docs citations

26
times ranked

2358
citing authors

#	ARTICLE	IF	CITATIONS
1	Syntheses of Water-Soluble Octahedral, Truncated Octahedral, and Cubic Pt@Ni Nanocrystals and Their Structure-Activity Study in Model Hydrogenation Reactions. <i>Journal of the American Chemical Society</i> , 2012, 134, 8975-8981.	13.7	322
2	Highly Active and Selective Catalysis of Bimetallic Rh ₃ Ni ₁ Nanoparticles in the Hydrogenation of Nitroarenes. <i>ACS Catalysis</i> , 2013, 3, 608-612.	11.2	167
3	Pt ₇₄ Ag ₂₆ nanoparticle-decorated ultrathin MoS ₂ nanosheets as novel peroxidase mimics for highly selective colorimetric detection of H ₂ O ₂ and glucose. <i>Nanoscale</i> , 2016, 8, 3685-3693.	5.6	165
4	Porous Pt/Ag nanoparticles with excellent multifunctional enzyme mimic activities and antibacterial effects. <i>Nano Research</i> , 2017, 10, 2056-2069.	10.4	99
5	PtCo bimetallic nanoparticles with high oxidase-like catalytic activity and their applications for magnetic-enhanced colorimetric biosensing. <i>Journal of Materials Chemistry B</i> , 2016, 4, 1869-1877.	5.8	90
6	Composition-Dependent Catalytic Activity of Bimetallic Nanocrystals: AgPd-Catalyzed Hydrodechlorination of 4-Chlorophenol. <i>ACS Catalysis</i> , 2013, 3, 1560-1563.	11.2	83
7	Zero-Dimensional/Two-Dimensional Au _x Pd _{100-x} Nanocomposites with Enhanced Nanozyme Catalysis for Sensitive Glucose Detection. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 11616-11624.	8.0	81
8	Single-layer Rh nanosheets with ultrahigh peroxidase-like activity for colorimetric biosensing. <i>Nano Research</i> , 2018, 11, 6304-6315.	10.4	68
9	A PdAg bimetallic nanocatalyst for selective reductive amination of nitroarenes. <i>Chemical Communications</i> , 2013, 49, 6843.	4.1	65
10	Porous Au@Pt nanoparticles with superior peroxidase-like activity for colorimetric detection of spike protein of SARS-CoV-2. <i>Journal of Colloid and Interface Science</i> , 2021, 604, 113-121.	9.4	56
11	Cell-Capture and Release Platform Based on Peptide-Aptamer-Modified Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2511-2516.	8.0	42
12	Two-Dimensional Nanomaterials With Enzyme-Like Properties for Biomedical Applications. <i>Frontiers in Chemistry</i> , 2020, 8, 565940.	3.6	33
13	MoO ₃ nanodots with dual enzyme mimic activities as multifunctional modulators for amyloid assembly and neurotoxicity. <i>Journal of Colloid and Interface Science</i> , 2019, 539, 575-584.	9.4	30
14	Enhanced oxidase/peroxidase-like activities of aptamer conjugated MoS ₂ /PtCu nanocomposites and their biosensing application. <i>RSC Advances</i> , 2016, 6, 54949-54955.	3.6	29
15	Magnet-assisted electrochemical immunosensor based on surface-clean Pd-Au nanosheets for sensitive detection of SARS-CoV-2 spike protein. <i>Electrochimica Acta</i> , 2022, 404, 139766.	5.2	26
16	Facile Strategy To Prepare Rh Nanosheet-Supported PtRh Nanoparticles with Synergistically Enhanced Catalysis in Oxidation. <i>Chemistry of Materials</i> , 2019, 31, 808-818.	6.7	21
17	Two-Dimensional Palladium Nanosheet Intercalated with Gold Nanoparticles for Plasmon-Enhanced Electrocatalysis. <i>ACS Catalysis</i> , 2021, 11, 13721-13732.	11.2	21
18	Synthesis of carbon quantum dots for application of alleviating amyloid- β^2 mediated neurotoxicity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 212, 112373.	5.0	20

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19	A novel strategy to construct supported Pd nanocomposites with synergistically enhanced catalytic performances. Nano Research, 2018, 11, 3272-3281.	10.4	16
20	Recent Progress of Nanozymes in the Detection of Pathogenic Microorganisms. ChemBioChem, 2020, 21, 2572-2584.	2.6	14
21	Controllable fabrication of magnetic core-shell nanocomposites with high peroxide mimetic properties for bacterial detection and antibacterial applications. Journal of Materials Chemistry B, 2019, 7, 1124-1132.	5.8	11
22	Noble Metal-Based Nanozymes. Nanostructure Science and Technology, 2020, , 331-365.	0.1	8
23	RuO ₂ /rGO heterostructures as mimic peroxidases for colorimetric detection of glucose. Mikrochimica Acta, 2022, 189, .	5.0	8
24	PtAu bimetallic nanocatalyst for selective hydrogenation of alkenes over aryl halides. Nano Research, 2019, 12, 1659-1662.	10.4	6
25	Intercalated Gold Nanoparticle in 2D Palladium Nanosheet Avoiding CO Poisoning for Formate Production under a Wide Potential Window. ACS Applied Materials & Interfaces, 2022, 14, 10344-10352.	8.0	5
26	Photothermal Silk-based Textiles. Fibers and Polymers, 2022, 23, 644-650.	2.1	0