

Pengxiang Zhao

List of Publications by Year in descending order

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30
papers

4,608
citations

471509

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454955

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docs citations

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times ranked

6921
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Electrocatalytic Hydrogen Evolution Using Nanoparticles. <i>Chemical Reviews</i> , 2020, 120, 851-918.	47.7	1,767
2	Anisotropic Gold Nanoparticles: Synthesis, Properties, Applications, and Toxicity. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1756-1789.	13.8	793
3	Basic concepts and recent advances in nitrophenol reduction by gold- and other transition metal nanoparticles. <i>Coordination Chemistry Reviews</i> , 2015, 287, 114-136.	18.8	657
4	Recent advance in MXenes: A promising 2D material for catalysis, sensor and chemical adsorption. <i>Coordination Chemistry Reviews</i> , 2017, 352, 306-327.	18.8	484
5	Electrochemical CO ₂ reduction (CO ₂ RR) to multi-carbon products over copper-based catalysts. <i>Coordination Chemistry Reviews</i> , 2022, 454, 214340.	18.8	175
6	Catalysis by 1,2,3-triazole- and related transition-metal complexes. <i>Coordination Chemistry Reviews</i> , 2014, 272, 145-165.	18.8	148
7	Gold nanoparticles as sensors in the colorimetric and fluorescence detection of chemical warfare agents. <i>Coordination Chemistry Reviews</i> , 2016, 311, 75-84.	18.8	107
8	Highly Efficient and Selective Co@ZIF-8 Nanocatalyst for Hydrogen Release from Sodium Borohydride Hydrolysis. <i>ChemCatChem</i> , 2019, 11, 1643-1649.	3.7	61
9	Nanoscale zero-valent iron intercalated 2D titanium carbides for removal of Cr(VI) in aqueous solution and the mechanistic aspect. <i>Journal of Hazardous Materials</i> , 2020, 388, 121761.	12.4	61
10	Dendrimer-like core cross-linked micelle stabilized ultra-small gold nanoclusters as a robust catalyst for aerobic oxidation of α -hydroxy ketones in water. <i>Green Chemistry</i> , 2016, 18, 3647-3655.	9.0	38
11	Nanocopper-Doped Cross-Linked Lipoic Acid Nanoparticles for Morphology-Dependent Intracellular Catalysis. <i>ACS Catalysis</i> , 2018, 8, 5941-5946.	11.2	34
12	How a simple α -click-PEGylated 1,2,3-triazole ligand stabilizes gold nanoparticles for multiple usage. <i>Chemical Communications</i> , 2013, 49, 3218.	4.1	33
13	Ca ²⁺ induced 3D porous MXene gel for continuous removal of phosphate and uranium. <i>Applied Surface Science</i> , 2021, 570, 150804.	6.1	31
14	α -Click-Chemistry Mildly Stabilizes Bifunctional Gold Nanoparticles for Sensing and Catalysis. <i>Chemistry - A European Journal</i> , 2014, 20, 8363-8369.	3.3	30
15	Stabilization of AuNPs by Monofunctional Triazole Linked to Ferrocene, Ferricenium, or Coumarin and Applications to Synthesis, Sensing, and Catalysis. <i>Inorganic Chemistry</i> , 2014, 53, 11802-11808.	4.0	28
16	Palladium Separation by Pd-Catalyzed Gel Formation via Alkyne Coupling. <i>Chemistry of Materials</i> , 2019, 31, 7386-7394.	6.7	28
17	Design, Synthesis and High HER Performances of 3D Ni/Mo Sulfide on Ni Foam. <i>ChemCatChem</i> , 2020, 12, 1647-1652.	3.7	18
18	Highly efficient methylene blue removal by TMAOH delaminated Ti ₃ C ₂ T _x MXene suspension and the mechanistic aspect. <i>Separation and Purification Technology</i> , 2022, 288, 120718.	7.9	18

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19	Pd@Ru nanocatalysts derived from a Pd-induced aerogel for dramatic boosting of hydrogen release. <i>Nanoscale</i> , 2020, 12, 2345-2349.	5.6	14
20	Colorimetric detection for uranyl ions in water using vinylphosphonic acid functionalized gold nanoparticles based on smartphone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 269, 120748.	3.9	13
21	Covalent capture of supramolecular species in an aqueous solution of water-miscible small organic molecules. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 10477-10487.	2.8	12
22	Nitrilotriacetate-stabilized gold nanoparticles: a novel strategy for the colorimetric detection of Cr(III)/Cr(VI) and the mechanistic aspects. <i>Analytical Methods</i> , 2017, 9, 2805-2811.	2.7	10
23	Development of a novel tridentate ligand for colorimetric detection of Mn ²⁺ based on AgNPs. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 202, 244-251.	3.9	10
24	Parts per Million Level, Green, and Magnetically-recoverable Triazole Ligand-stabilized Au and Pd Nanoparticle Catalysts. <i>RSC Advances</i> , 2015, 5, 44018-44021.	3.6	9
25	Copper(I)-Chelated Cross-Linked Cyclen Micelles as a Nanocatalyst for Azide-Alkyne Cycloaddition in Both Water and Cells. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 5057-5062.	4.3	9
26	Polyvinyl Alcohol (PVA)-based Hyper-crosslinked Polymers (HCPs) and Their Ultrahigh Iodine Adsorption Capacity. <i>Chemistry Letters</i> , 2020, 49, 1163-1166.	1.3	7
27	Effective colorimetric detection of Ni ²⁺ using gold nanoparticles functionalized with phytate. <i>Chemical Physics Letters</i> , 2021, 784, 139101.	2.6	4
28	Damage indication of 2,7-dichlorofluorescein for epoxy polymer and the effect of water on its damage indicating ability. <i>E-Polymers</i> , 2017, 17, 57-64.	3.0	3
29	Facile Synthesis of Iminodiacetate-Stabilized Gold Nanoparticles with Sensitive Detection of Cr ^{III} . <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2479-2483.	2.0	3
30	Fast hydrogen detection by Pd(II)-alkyne-PVA/d-Ti ₃ C ₂ T _x composite at room temperature. <i>Chemical Physics Letters</i> , 2021, 776, 138678.	2.6	3