

Xinyang Li

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,855
citations

430442

18
h-index

580395

25
g-index

25
all docs

25
docs citations

25
times ranked

2892
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong Electronic Interaction in Dual-Cation-Incorporated NiSe ₂ Nanosheets with Lattice Distortion for Highly Efficient Overall Water Splitting. <i>Advanced Materials</i> , 2018, 30, e1802121.	11.1	361
2	Enhanced Performance of NaOH-Modified Pt/TiO ₂ toward Room Temperature Selective Oxidation of Formaldehyde. <i>Environmental Science & Technology</i> , 2013, 47, 2777-2783.	4.6	355
3	NaOH-Modified Ceramic Honeycomb with Enhanced Formaldehyde Adsorption and Removal Performance. <i>Environmental Science & Technology</i> , 2013, 47, 9928-9933.	4.6	149
4	Flexible vanadium-doped Ni ₂ P nanosheet arrays grown on carbon cloth for an efficient hydrogen evolution reaction. <i>Nanoscale</i> , 2019, 11, 4198-4203.	2.8	122
5	Rapid Synthesis of Monodisperse Au Nanospheres through a Laser Irradiation-Induced Shape Conversion, Self-Assembly and Their Electromagnetic Coupling SERS Enhancement. <i>Scientific Reports</i> , 2015, 5, 7686.	1.6	114
6	Cr-Dopant Induced Breaking of Scaling Relations in CoFe Layered Double Hydroxides for Improvement of Oxygen Evolution Reaction. <i>Small</i> , 2019, 15, e1902373.	5.2	111
7	Hierarchical hetero-Ni ₃ Se ₄ @NiFe LDH micro/nanosheets as efficient bifunctional electrocatalysts with superior stability for overall water splitting. <i>Nanoscale Horizons</i> , 2019, 4, 1132-1138.	4.1	100
8	Cu-Doped CoP Nanorod Arrays: Efficient and Durable Hydrogen Evolution Reaction Electrocatalysts at All pH Values. <i>ACS Applied Energy Materials</i> , 2018, 1, 3835-3842.	2.5	58
9	Oxygen Vacancy Engineering of MOF-Derived Zn-Doped Co ₃ O ₄ Nanopolyhedrons for Enhanced Electrochemical Nitrogen Fixation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 14181-14188.	4.0	56
10	A functional hydrogel film attached with a 2D Au nanosphere array and its ultrahigh optical diffraction intensity as a visualized sensor. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2117-2122.	2.7	45
11	Functionalized periodic Au@MOFs nanoparticle arrays as biosensors for dual-channel detection through the complementary effect of SPR and diffraction peaks. <i>Nano Research</i> , 2017, 10, 2257-2270.	5.8	44
12	PtPdAg Hollow Nanodendrites: Template-Free Synthesis and High Electrocatalytic Activity for Methanol Oxidation Reaction. <i>Small Methods</i> , 2020, 4, 1900709.	4.6	44
13	Hollow FeP/Fe ₃ O ₄ Hybrid Nanoparticles on Carbon Nanotubes as Efficient Electrocatalysts for the Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 12783-12792.	4.0	41
14	Optical sensor based on hydrogel films with 2D colloidal arrays attached on both the surfaces: anti-curling performance and enhanced optical diffraction intensity. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3659-3665.	2.7	40
15	Bifunctional Hybrid Ni/Ni ₂ P Nanoparticles Encapsulated by Graphitic Carbon Supported with N, S Modified 3D Carbon Framework for Highly Efficient Overall Water Splitting. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800473.	1.9	40
16	Laser-irradiation induced synthesis of spongy AuAgPt alloy nanospheres with high-index facets, rich grain boundaries and subtle lattice distortion for enhanced electrocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13735-13742.	5.2	32
17	Surface enhanced Raman scattering properties of dynamically tunable nanogaps between Au nanoparticles self-assembled on hydrogel microspheres controlled by pH. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 467-475.	5.0	23
18	Periodic nanostructured Au arrays on an Si electrode for high-performance electrochemical detection of hydrogen peroxide without an enzyme. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9864-9871.	2.7	21

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19	Highly Selective and Sensitive Detection of Hydrogen Sulfide by the Diffraction Peak of Periodic Au Nanoparticle Array with Silver Coating. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40702-40710.	4.0	19
20	Aligned gold nanobowl arrays: their fabrication, anisotropic optical response and optical grating applications. <i>Journal of Materials Chemistry C</i> , 2015, 3, 51-57.	2.7	18
21	MnMoO ₄ nanosheet array: an efficient electrocatalyst for hydrogen evolution reaction with enhanced activity over a wide pH range. <i>Nanotechnology</i> , 2018, 29, 335403.	1.3	17
22	Large-Scale Synthesis of Co/CoO Encapsulated in Nitrogen-, Oxygen-, and Sulfur-Tridoped Three-Dimensional Porous Carbon as Efficient Electrocatalysts for Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2018, 1, 6250-6259.	2.5	15
23	N-doping nanoporous carbon microspheres derived from MOFs for highly efficient removal of formaldehyde. <i>Nanotechnology</i> , 2019, 30, 105702.	1.3	14
24	A novel process to prepare a thin silica shell on the PDDA-stabilized spherical Au nanoparticles assisted by UV light irradiation. <i>RSC Advances</i> , 2014, 4, 64668-64674.	1.7	9
25	Enhanced oxygen evolution catalytic activity of NiS ₂ by coupling with ferrous phosphite and phosphide. <i>Sustainable Energy and Fuels</i> , 2021, 5, 1801-1808.	2.5	7