Xinyang Li

List of Publications by Year
in descending order

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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	Enhanced oxygen evolution catalytic activity of NiS₂ by coupling with ferrous phosphite and phosphide. Sustainable Energy and Fuels, 2021, 5, 1801-1808.	2.5	7
2	Oxygen Vacancy Engineering of MOF-Derived Zn-Doped Co₃O₄ Nanopolyhedrons for Enhanced Electrochemical Nitrogen Fixation. ACS Applied Materials & Interfaces, 2021, 13, 14181-14188.	4.0	56
3	PtPdAg Hollow Nanodendrites: Templateâ€Free Synthesis and High Electrocatalytic Activity for Methanol Oxidation Reaction. Small Methods, 2020, 4, 1900709.	4.6	44
4	Highly Selective and Sensitive Detection of Hydrogen Sulfide by the Diffraction Peak of Periodic Au Nanoparticle Array with Silver Coating. ACS Applied Materials & Interfaces, 2020, 12, 40702-40710.	4.0	19
5	Hollow FeP/Fe₃O₄ Hybrid Nanoparticles on Carbon Nanotubes as Efficient Electrocatalysts for the Oxygen Evolution Reaction. ACS Applied Materials & Interfaces, 2020, 12, 12783-12792.	4.0	41
6	Crâ€Dopant Induced Breaking of Scaling Relations in CoFe Layered Double Hydroxides for Improvement of Oxygen Evolution Reaction. Small, 2019, 15, e1902373.	5.2	111
7	Hierarchical hetero-Ni₃Se₄@NiFe LDH micro/nanosheets as efficient bifunctional electrocatalysts with superior stability for overall water splitting. Nanoscale Horizons, 2019, 4, 1132-1138.	4.1	100
8	Flexible vanadium-doped Ni₂P nanosheet arrays grown on carbon cloth for an efficient hydrogen evolution reaction. Nanoscale, 2019, 11, 4198-4203.	2.8	122
9	N-doping nanoporous carbon microspheres derived from MOFs for highly efficient removal of formaldehyde. Nanotechnology, 2019, 30, 105702.	1.3	14
10	Large-Scale Synthesis of Co/CoO_x Encapsulated in Nitrogen-, Oxygen-, and Sulfur-Tridoped Three-Dimensional Porous Carbon as Efficient Electrocatalysts for Hydrogen Evolution Reaction. ACS Applied Energy Materials, 2018, 1, 6250-6259.	2.5	15
11	Laser-irradiation induced synthesis of spongy AuAgPt alloy nanospheres with high-index facets, rich grain boundaries and subtle lattice distortion for enhanced electrocatalytic activity. Journal of Materials Chemistry A, 2018, 6, 13735-13742.	5.2	32
12	Cu-Doped CoP Nanorod Arrays: Efficient and Durable Hydrogen Evolution Reaction Electrocatalysts at All pH Values. ACS Applied Energy Materials, 2018, 1, 3835-3842.	2.5	58
13	Strong Electronic Interaction in Dualâ€Cationâ€Incorporated NiSe₂ Nanosheets with Lattice Distortion for Highly Efficient Overall Water Splitting. Advanced Materials, 2018, 30, e1802121.	11.1	361
14	MnMoO₄ nanosheet array: an efficient electrocatalyst for hydrogen evolution reaction with enhanced activity over a wide pH range. Nanotechnology, 2018, 29, 335403.	1.3	17
15	Bifunctional Hybrid Ni/Ni₂P Nanoparticles Encapsulated by Graphitic Carbon Supported with N, S Modified 3D Carbon Framework for Highly Efficient Overall Water Splitting. Advanced Materials Interfaces, 2018, 5, 1800473.	1.9	40
16	Surface enhanced Raman scattering properties of dynamically tunable nanogaps between Au nanoparticles self-assembled on hydrogel microspheres controlled by pH. Journal of Colloid and Interface Science, 2017, 505, 467-475.	5.0	23
17	Functionalized periodic Au@MOFs nanoparticle arrays as biosensors for dual-channel detection through the complementary effect of SPR and diffraction peaks. Nano Research, 2017, 10, 2257-2270.	5.8	44
18	Periodic nanostructured Au arrays on an Si electrode for high-performance electrochemical detection of hydrogen peroxide without an enzyme. Journal of Materials Chemistry C, 2016, 4, 9864-9871.	2.7	21

#	Article	IF	Citations
19	A functional hydrogel film attached with a 2D Au nanosphere array and its ultrahigh optical diffraction intensity as a visualized sensor. Journal of Materials Chemistry C, 2016, 4, 2117-2122.	2.7	45
20	Aligned gold nanobowl arrays: their fabrication, anisotropic optical response and optical grating applications. Journal of Materials Chemistry C, 2015, 3, 51-57.	2.7	18
21	Rapid Synthesis of Monodisperse Au Nanospheres through a Laser Irradiation -Induced Shape Conversion, Self-Assembly and Their Electromagnetic Coupling SERS Enhancement. Scientific Reports, 2015, 5, 7686.	1.6	114
22	Optical sensor based on hydrogel films with 2D colloidal arrays attached on both the surfaces: anti-curling performance and enhanced optical diffraction intensity. Journal of Materials Chemistry C, 2015, 3, 3659-3665.	2.7	40
23	A novel process to prepare a thin silica shell on the PDDA-stabilized spherical Au nanoparticles assisted by UV light irradiation. RSC Advances, 2014, 4, 64668-64674.	1.7	9
24	NaOH-Modified Ceramic Honeycomb with Enhanced Formaldehyde Adsorption and Removal Performance. Environmental Science & Technology, 2013, 47, 9928-9933.	4.6	149
25	Enhanced Performance of NaOH-Modified Pt/TiO₂ toward Room Temperature Selective Oxidation of Formaldehyde. Environmental Science & Technology, 2013, 47, 2777-2783.	4.6	355