

Heng Zhang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Recent Advances in Metal-Organic Frameworks and Their Derived Materials for Electrocatalytic Water Splitting. <i>ChemElectroChem</i> , 2020, 7, 1805-1824.	3.4	47
2	Multi-functional lanthanide-CPs based on tricarboxylphenyl terpyridyl ligand as ratiometric luminescent thermometer and highly sensitive ion sensor with turn on/off effect. <i>Dalton Transactions</i> , 2020, 49, 4741-4750.	3.3	45
3	A chainmail effect of ultrathin N-doped carbon shell on Ni ₂ P nanorod arrays for efficient hydrogen evolution reaction catalysis. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 281-289.	9.4	37
4	Two Co(II)/Ni(II) complexes based on nitrogenous heterocyclic ligands as high-performance electrocatalysts for the hydrogen evolution reaction. <i>Dalton Transactions</i> , 2022, 51, 3970-3976.	3.3	30
5	Atomic mapping of periodic dipole waves in ferroelectric oxide. <i>Science Advances</i> , 2021, 7, .	10.3	27
6	MOF-Derived Zinc-Doped Ruthenium Oxide Hollow Nanorods as Highly Active and Stable Electrocatalysts for Oxygen Evolution in Acidic Media. <i>ChemNanoMat</i> , 2021, 7, 117-121.	2.8	18
7	Determination of polar C-plane and nonpolar A-plane AlN/GaN heterojunction band offsets by X-ray photoelectron spectroscopy. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 788-791.	1.5	15
8	Significant quality improvement of GaN on Si(111) upon formation of an AlN defective layer. <i>CrystEngComm</i> , 2014, 16, 7525.	2.6	12
9	Interfacial FeOOH/CoO nanowires array improves electrocatalytic water splitting. <i>Journal of Solid State Chemistry</i> , 2021, 298, 122156.	2.9	11
10	Calculation of discrepancies in measured valence band offsets of heterojunctions with different crystal polarities. <i>Journal of Applied Physics</i> , 2012, 112, 113712.	2.5	4
11	Scattering due to Schottky barrier height spatial fluctuation on two dimensional electron gas in AlGaIn/GaN high electron mobility transistors. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	4
12	Scattering due to large cluster embedded in quantum wells. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	4
13	Thickness-Dependent Polar Domain Evolution in Strained, Ultrathin PbTiO ₃ Films. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 9724-9733.	8.0	4
14	Anisotropic scattering effect of the inclined misfit dislocation on the two-dimensional electron gas in Al(In)GaIn/GaN heterostructures. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	0
15	Microstructure and electrical conductivity of Ce _{0.9} Gd _{0.1} O _{1.95} -MgO composite electrolyte. <i>Ionics</i> , 2020, 26, 2413-2419.	2.4	0
16	Influences of sintering temperature on the electrical conductivity of GDC-50vol%MgO composite ceramics: the role of the GDC/MgO heterogeneous interface. <i>Ionics</i> , 2021, 27, 269-277.	2.4	0