

Hee Jin Kim

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Understanding the Grain Boundary Behavior of Bimetallic Platinum–Cobalt Alloy Nanowires toward Oxygen Electro-Reduction. <i>ACS Catalysis</i> , 2022, 12, 3516-3523.	11.2	23
2	Nanocatalyst Design for Long-Term Operation of Proton/Anion Exchange Membrane Water Electrolysis. <i>Advanced Energy Materials</i> , 2021, 11, 2003188.	19.5	89
3	Etching to unveil active sites of nanocatalysts for electrocatalysis. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3962-3985.	5.9	6
4	Crystal Phase Transition Creates a Highly Active and Stable RuC _x Nanosurface for Hydrogen Evolution Reaction in Alkaline Media. <i>Advanced Materials</i> , 2021, 33, e2105248.	21.0	27
5	Recent advances in non-precious group metal-based catalysts for water electrolysis and beyond. <i>Journal of Materials Chemistry A</i> , 2021, 10, 50-88.	10.3	44
6	Fe _x Ni _{2x} P Alloy Nanocatalysts with Electron-Deficient Phosphorus Enhancing the Hydrogen Evolution Reaction in Acidic Media. <i>ACS Catalysis</i> , 2020, 10, 11665-11673.	11.2	41
7	Surface elemental distribution effect of Pt-Pb hexagonal nanoplates for electrocatalytic methanol oxidation reaction. <i>Chinese Journal of Catalysis</i> , 2020, 41, 813-819.	14.0	25
8	Ni(OH) ₂ Decorated Pt-Cu Octahedra for Ethanol Electrooxidation Reaction. <i>Frontiers in Chemistry</i> , 2019, 7, 608.	3.6	15
9	RuO _x -decorated multimetallic hetero-nanocages as highly efficient electrocatalysts toward the methanol oxidation reaction. <i>Nanoscale</i> , 2018, 10, 21178-21185.	5.6	21
10	Facile synthesis of fully ordered L10-FePt nanoparticles with controlled Pt-shell thicknesses for electrocatalysis. <i>Nano Research</i> , 2017, 10, 2866-2880.	10.4	24
11	Shape-controlled Pt nanocubes directly grown on carbon supports and their electrocatalytic activity toward methanol oxidation. <i>Science Bulletin</i> , 2017, 62, 943-949.	9.0	26
12	Surface-enhanced Raman spectroscopy of Omethoate adsorbed on silver surface. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 179-184.	3.9	14
13	<i>In situ</i> polymerization of 3-hexylthiophene with double-walled carbon nanotubes: Studies on the conductive nanocomposite. <i>Journal of Applied Polymer Science</i> , 2010, 115, 2448-2454.	2.6	36
14	Synthesis and characterization of poly(3-octylthiophene)/single wall carbon nanotube composites for photovoltaic applications. <i>Journal of Applied Polymer Science</i> , 2010, 118, 1386-1394.	2.6	7
15	Single step synthesis of poly(3-octylthiophene)/multi-walled carbon nanotube composites and their characterizations. <i>Polymers for Advanced Technologies</i> , 2009, 20, 736-741.	3.2	7
16	Electrical and Optical Properties of Conducting Poly(3-hexylthiophene)/Multi-walled Carbon Nanotube System. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2008, 58, 120-128.	3.4	20
17	Preparation of Buckyball-Shaped Conducting Polythiophene by the Gamma Radiation-Induced Polymerization Method. <i>Macromolecular Symposia</i> , 2007, 249-250, 234-240.	0.7	3
18	Synthesis of core-shell silver-polyaniline nanocomposites by gamma radiolysis method. <i>Journal of Polymer Science Part A</i> , 2007, 45, 5741-5747.	2.3	106