

Hee Jin Kim

List of Publications by Year in descending order

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