

Jeonghyeon Kim

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Template-Directed Rapid Synthesis of Pd-Based Ultrathin Porous Intermetallic Nanosheets for Efficient Oxygen Reduction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10942-10949.	13.8	115
2	Theoretical and Experimental Understanding of Hydrogen Evolution Reaction Kinetics in Alkaline Electrolytes with Pt-Based Core-Shell Nanocrystals. <i>Journal of the American Chemical Society</i> , 2019, 141, 18256-18263.	13.7	91
3	Structural Evolution of Sub-10 nm Octahedral Platinum-Nickel Bimetallic Nanocrystals. <i>Nano Letters</i> , 2017, 17, 3926-3931.	9.1	57
4	Ligand Effect of Shape-Controlled β -Palladium Hydride Nanocrystals on Liquid-Fuel Oxidation Reactions. <i>Chemistry of Materials</i> , 2019, 31, 5663-5673.	6.7	45
5	Autocatalytic Surface Reduction-Assisted Synthesis of PtW Ultrathin Alloy Nanowires for Highly Efficient Hydrogen Evolution Reaction. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	40
6	Achieving complete electrooxidation of ethanol by single atomic Rh decoration of Pt nanocubes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2112109119.	7.1	40
7	Boosting Activity and Selectivity of CO ₂ Electroreduction by Pre-Hydrizing Pd Nanocubes. <i>Small</i> , 2020, 16, e2005305.	10.0	32
8	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
9	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
10	Ni(OH) ₂ Decorated Pt-Cu Octahedra for Ethanol Electrooxidation Reaction. <i>Frontiers in Chemistry</i> , 2019, 7, 608.	3.6	15
11	Synthesis of Pd-Pt Ultrathin Assembled Nanosheets as Highly Efficient Electrocatalysts for Ethanol Oxidation. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1324-1329.	3.3	12
12	Shape and Hydriding Effects of Palladium Nanocatalyst Toward Oxygen Electroreduction Reaction. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 802-805.	1.9	12
13	Solvothermal Doping of Lanthanum on Nanoscale Platinum Surfaces to Improve Oxygen Electroreduction Performance. <i>ChemElectroChem</i> , 2020, 7, 2643-2650.	3.4	9
14	Template-Directed Rapid Synthesis of Pd-Based Ultrathin Porous Intermetallic Nanosheets for Efficient Oxygen Reduction. <i>Angewandte Chemie</i> , 2021, 133, 11037-11044.	2.0	9