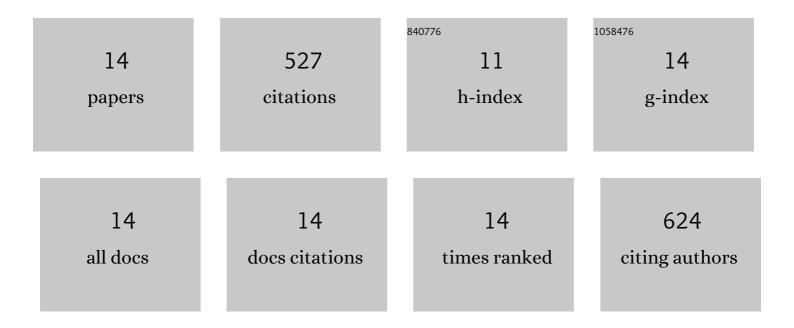
Jeonghyeon Kim

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Templateâ€Directed Rapid Synthesis of Pdâ€Based Ultrathin Porous Intermetallic Nanosheets for Efficient Oxygen Reduction. Angewandte Chemie - International Edition, 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. Journal of the American Chemical Society, 2019, 141, 18256-18263.	13.7	91
3	Structural Evolution of Sub-10 nm Octahedral Platinum–Nickel Bimetallic Nanocrystals. Nano Letters, 2017, 17, 3926-3931.	9.1	57
4	Ligand Effect of Shape-Controlled Î ² -Palladium Hydride Nanocrystals on Liquid-Fuel Oxidation Reactions. Chemistry of Materials, 2019, 31, 5663-5673.	6.7	45
5	Autocatalytic Surface Reductionâ€Assisted Synthesis of PtW Ultrathin Alloy Nanowires for Highly Efficient Hydrogen Evolution Reaction. Advanced Energy Materials, 2022, 12, .	19.5	40
6	Achieving complete electrooxidation of ethanol by single atomic Rh decoration of Pt nanocubes. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2112109119.	7.1	40
7	Boosting Activity and Selectivity of CO ₂ Electroreduction by Preâ€Hydridizing Pd Nanocubes. Small, 2020, 16, e2005305.	10.0	32
8	Crystal Phase Transition Creates a Highly Active and Stable RuC <i>_X</i> Nanosurface for Hydrogen Evolution Reaction in Alkaline Media. Advanced Materials, 2021, 33, e2105248.	21.0	27
9	Understanding the Grain Boundary Behavior of Bimetallic Platinum–Cobalt Alloy Nanowires toward Oxygen Electro-Reduction. ACS Catalysis, 2022, 12, 3516-3523.	11.2	23
10	Ni(OH)2 Decorated Pt-Cu Octahedra for Ethanol Electrooxidation Reaction. Frontiers in Chemistry, 2019, 7, 608.	3.6	15
11	Synthesis of Pdâ€Pt Ultrathin Assembled Nanosheets as Highly Efficient Electrocatalysts for Ethanol Oxidation. Chemistry - an Asian Journal, 2020, 15, 1324-1329.	3.3	12
12	Shape and Hydriding Effects of Palladium Nanocatalyst Toward Oxygen Electroreduction Reaction. Bulletin of the Korean Chemical Society, 2021, 42, 802-805.	1.9	12
13	Solvothermal Doping of Lanthanum on Nanoscale Platinum Surfaces to Improve Oxygen Electroreduction Performance. ChemElectroChem, 2020, 7, 2643-2650.	3.4	9
14	Templateâ€Directed Rapid Synthesis of Pdâ€Based Ultrathin Porous Intermetallic Nanosheets for Efficient Oxygen Reduction. Angewandte Chemie, 2021, 133, 11037-11044.	2.0	9