

Ji Mun Yoo

List of Publications by Year in descending order

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29
papers

2,513
citations

430442

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500791

28
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docs citations

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times ranked

4101
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Insights into Multi-Metal Spinel Oxide Nanoparticles for Boosting Oxygen Reduction Electrocatalysis. <i>Advanced Materials</i> , 2022, 34, e2107868.	11.1	30
2	Structural Insights into Multi-Metal Spinel Oxide Nanoparticles for Boosting Oxygen Reduction Electrocatalysis (<i>Adv. Mater.</i> 8/2022). <i>Advanced Materials</i> , 2022, 34, .	11.1	0
3	Facet-Defined Strain-Free Spinel Oxide for Oxygen Reduction. <i>Nano Letters</i> , 2022, 22, 3636-3644.	4.5	3
4	Carbon Shell on Active Nanocatalyst for Stable Electrocatalysis. <i>Accounts of Chemical Research</i> , 2022, 55, 1278-1289.	7.6	86
5	Recent progress in in situ/operando analysis tools for oxygen electrocatalysis. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 173001.	1.3	11
6	Single-atom Mn-N-C catalysts for oxygen reduction electrocatalysis. <i>Trends in Chemistry</i> , 2021, 3, 779-794.	4.4	37
7	Activity-Stability Relationship in Au@Pt Nanoparticles for Electrocatalysis. <i>ACS Energy Letters</i> , 2020, 5, 2827-2834.	8.8	49
8	Direct Synthesis of Intermetallic Platinum-Alloy Nanoparticles Highly Loaded on Carbon Supports for Efficient Electrocatalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 14190-14200.	6.6	160
9	Epitaxially Strained CeO ₂ /Mn ₃ O ₄ Nanocrystals as an Enhanced Antioxidant for Radioprotection. <i>Advanced Materials</i> , 2020, 32, e2001566.	11.1	79
10	Effect of different surface functional groups on carbon supports toward methanol electro-oxidation of Pt nanoparticles. <i>Journal of Electroanalytical Chemistry</i> , 2020, 875, 113931.	1.9	9
11	Design and synthesis of multigrain nanocrystals via geometric misfit strain. <i>Nature</i> , 2020, 577, 359-363.	13.7	59
12	Rational Generation of Fe-N x Active Sites in Fe-N-C Electrocatalysts Facilitated by Fe-N Coordinated Precursors for the Oxygen Reduction Reaction. <i>ChemCatChem</i> , 2019, 11, 5982-5988.	1.8	19
13	Design Principle of Fe-N-C Electrocatalysts: How to Optimize Multimodal Porous Structures?. <i>Journal of the American Chemical Society</i> , 2019, 141, 2035-2045.	6.6	383
14	Electrocatalysis: Electrochemically Synthesized Nanoporous Molybdenum Carbide as a Durable Electrocatalyst for Hydrogen Evolution Reaction (<i>Adv. Sci.</i> 1/2018). <i>Advanced Science</i> , 2018, 5, 1870002.	5.6	0
15	Highly Durable and Active Pt-Based Nanoscale Design for Fuel-Cell Oxygen-Reduction Electrocatalysts. <i>Advanced Materials</i> , 2018, 30, e1704123.	11.1	208
16	Electrochemically Synthesized Nanoporous Molybdenum Carbide as a Durable Electrocatalyst for Hydrogen Evolution Reaction. <i>Advanced Science</i> , 2018, 5, 1700601.	5.6	47
17	Electrocatalysts: Highly Durable and Active Pt-Based Nanoscale Design for Fuel-Cell Oxygen-Reduction Electrocatalysts (<i>Adv. Mater.</i> 42/2018). <i>Advanced Materials</i> , 2018, 30, 1870316.	11.1	4
18	Edge-Terminated MoS ₂ Nanoassembled Electrocatalyst via In Situ Hybridization with 3D Carbon Network. <i>Small</i> , 2018, 14, e1802191.	5.2	15

#	ARTICLE	IF	CITATIONS
19	High-Density Single-Layer Coating of Gold Nanoparticles onto Multiple Substrates by Using an Intrinsically Disordered Protein of I \pm -Synuclein for Nanoapplications. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8519-8532.	4.0	8
20	Large-Scale Synthesis of Carbon-Shell-Coated FeP Nanoparticles for Robust Hydrogen Evolution Reaction Electrocatalyst. <i>Journal of the American Chemical Society</i> , 2017, 139, 6669-6674.	6.6	451
21	Lithium manganese phosphate-carbon composite as a highly active and durable electrocatalyst for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2017, 245, 219-226.	2.6	10
22	Low-Temperature and Gram-Scale Synthesis of Two-Dimensional Feâ€“Nâ€“C Carbon Sheets for Robust Electrochemical Oxygen Reduction Reaction. <i>Chemistry of Materials</i> , 2017, 29, 2890-2898.	3.2	55
23	CO electro-oxidation reaction on Pt nanoparticles: Understanding peak multiplicity through thiol derivative molecule adsorption. <i>Catalysis Today</i> , 2017, 293-294, 2-7.	2.2	5
24	Coffee Waste-Derived Hierarchical Porous Carbon as a Highly Active and Durable Electrocatalyst for Electrochemical Energy Applications. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 41303-41313.	4.0	74
25	Scaffold-Like Titanium Nitride Nanotubes with a Highly Conductive Porous Architecture as a Nanoparticle Catalyst Support for Oxygen Reduction. <i>ACS Catalysis</i> , 2016, 6, 3914-3920.	5.5	51
26	Functional link between surface low-coordination sites and the electrochemical durability of Pt nanoparticles. <i>Journal of Power Sources</i> , 2016, 334, 52-57.	4.0	12
27	Facile and Gram-scale Synthesis of Metal-free Catalysts: Toward Realistic Applications for Fuel Cells. <i>Scientific Reports</i> , 2015, 5, 8376.	1.6	54
28	Highly Durable and Active PtFe Nanocatalyst for Electrochemical Oxygen Reduction Reaction. <i>Journal of the American Chemical Society</i> , 2015, 137, 15478-15485.	6.6	517
29	Development of Highly Stable and Mass Transferâ€“Enhanced Cathode Catalysts: Supportâ€“Free Electrospun Intermetallic FePt Nanotubes for Polymer Electrolyte Membrane Fuel Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1402093.	10.2	70