

Jae Hyung Kim

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,386
citations

361413

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h-index

642732

23
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docs citations

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times ranked

1791
citing authors

#	ARTICLE	IF	CITATIONS
1	Boosting Thermal Stability of Volatile Os Catalysts by Downsizing to Atomically Dispersed Species. <i>Jacs Au</i> , 2022, 2, 1811-1817.	7.9	4
2	Ordered Mesoporous Carbons with Graphitic Tubular Frameworks by Dual Templating for Efficient Electrocatalysis and Energy Storage. <i>Angewandte Chemie</i> , 2021, 133, 1461-1469.	2.0	5
3	Ordered Mesoporous Carbons with Graphitic Tubular Frameworks by Dual Templating for Efficient Electrocatalysis and Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1441-1449.	13.8	40
4	Heteroatom-doped carbon-based oxygen reduction electrocatalysts with tailored four-electron and two-electron selectivity. <i>Chemical Communications</i> , 2021, 57, 7350-7361.	4.1	43
5	Single-Atom Catalysts: A Perspective toward Application in Electrochemical Energy Conversion. <i>Jacs Au</i> , 2021, 1, 1086-1100.	7.9	43
6	Designing highly active nanoporous carbon H ₂ O ₂ production electrocatalysts through active site identification. <i>CheM</i> , 2021, 7, 3114-3130.	11.7	109
7	Reversible Ligand Exchange in Atomically Dispersed Catalysts for Modulating the Activity and Selectivity of the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20528-20534.	13.8	27
8	Reversible Ligand Exchange in Atomically Dispersed Catalysts for Modulating the Activity and Selectivity of the Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , 2021, 133, 20691-20697.	2.0	3
9	General Efficacy of Atomically Dispersed Pt Catalysts for the Chlorine Evolution Reaction: Potential-Dependent Switching of the Kinetics and Mechanism. <i>ACS Catalysis</i> , 2021, 11, 12232-12246.	11.2	40
10	A General Strategy to Atomically Dispersed Precious Metal Catalysts for Unravelling Their Catalytic Trends for Oxygen Reduction Reaction. <i>ACS Nano</i> , 2020, 14, 1990-2001.	14.6	116
11	Electrocatalyst design for promoting two-electron oxygen reduction reaction: Isolation of active site atoms. <i>Current Opinion in Electrochemistry</i> , 2020, 21, 109-116.	4.8	39
12	Atomically dispersed Pt ^{IV} sites as efficient and selective electrocatalysts for the chlorine evolution reaction. <i>Nature Communications</i> , 2020, 11, 412.	12.8	154
13	Structure-dependent catalytic properties of mesoporous cobalt oxides in furfural hydrogenation. <i>Applied Catalysis A: General</i> , 2019, 583, 117125.	4.3	22
14	Unassisted solar lignin valorisation using a compartmented photo-electro-biochemical cell. <i>Nature Communications</i> , 2019, 10, 5123.	12.8	67
15	Active Edge-Site-Rich Carbon Nanocatalysts with Enhanced Electron Transfer for Efficient Electrochemical Hydrogen Peroxide Production. <i>Angewandte Chemie</i> , 2019, 131, 1112-1117.	2.0	22
16	Active Edge-Site-Rich Carbon Nanocatalysts with Enhanced Electron Transfer for Efficient Electrochemical Hydrogen Peroxide Production. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1100-1105.	13.8	244
17	Impact of Textural Properties of Mesoporous Porphyrinic Carbon Electrocatalysts on Oxygen Reduction Reaction Activity. <i>ChemElectroChem</i> , 2018, 5, 1928-1936.	3.4	25
18	Hierarchically porous adamantane-shaped carbon nanoframes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18906-18911.	10.3	29

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19	Roles of Fe ^N and Fe ₃ C@C Species in Fe ^N /C Electrocatalysts for Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2017, 9, 9567-9575.	8.0	151
20	Recent Progress in the Identification of Active Sites in Pyrolyzed Fe ^N /C Catalysts and Insights into Their Role in Oxygen Reduction Reaction. Journal of Electrochemical Science and Technology, 2017, 8, 169-182.	2.2	22
21	Upcycling of nonporous coordination polymers: controllable-conversion toward porosity-tuned N-doped carbons and their electrocatalytic activity in seawater batteries. Journal of Materials Chemistry A, 2016, 4, 13468-13475.	10.3	29
22	Effect of surface oxygen functionalization of carbon support on the activity and durability of Pt/C catalysts for the oxygen reduction reaction. Carbon, 2016, 101, 449-457.	10.3	115
23	Impact of framework structure of ordered mesoporous carbons on the performance of supported Pt catalysts for oxygen reduction reaction. Carbon, 2014, 72, 354-364.	10.3	37