

Kieran Doyle-Davis

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,890
citations

471061

17
h-index

794141

19
g-index

21
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21
docs citations

21
times ranked

2456
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced Support Materials and Interactions for Atomically Dispersed Noble-Metal Catalysts: From Support Effects to Design Strategies. <i>Advanced Energy Materials</i> , 2022, 12, 2102556.	10.2	78
2	Recent progress and perspectives on designing high-performance thick electrodes for all-solid-state lithium batteries. <i>ETransportation</i> , 2022, 11, 100152.	6.8	53
3	Fast-Charging Halide-Based All-Solid-State Batteries by Manipulation of Current Collector Interface. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	20
4	New Insight of Pyrrole-Like Nitrogen for Boosting Hydrogen Evolution Activity and Stability of Pt Single Atoms. <i>Small</i> , 2021, 17, e2004453.	5.2	38
5	Unveiling the Nature of Pt Single-Atom Catalyst during Electrocatalytic Hydrogen Evolution and Oxygen Reduction Reactions. <i>Small</i> , 2021, 17, e2007245.	5.2	91
6	Revealing Dopant Local Structure of Se-Doped Black Phosphorus. <i>Chemistry of Materials</i> , 2021, 33, 2029-2036.	3.2	8
7	A general strategy for preparing pyrrolic-N4 type single-atom catalysts via pre-located isolated atoms. <i>Nature Communications</i> , 2021, 12, 6806.	5.8	81
8	Engineering the Low Coordinated Pt Single Atom to Achieve the Superior Electrocatalytic Performance toward Oxygen Reduction. <i>Small</i> , 2020, 16, e2003096.	5.2	110
9	Enhancing metal-support interaction by in situ ion-exchanging strategy for high performance Pt catalysts in hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 16582-16589.	5.2	22
10	Recent Advances in MOF-Derived Single Atom Catalysts for Electrochemical Applications. <i>Advanced Energy Materials</i> , 2020, 10, 2001561.	10.2	265
11	Recent advances and strategies in the stabilization of single-atom catalysts for electrochemical applications. , 2020, 2, 488-520.		37
12	Phase Evolution of a Prenucleator for Fast Li Nucleation in All-Solid-State Lithium Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2001191.	10.2	17
13	Eliminating the Detrimental Effects of Conductive Agents in Sulfide-Based Solid-State Batteries. <i>ACS Energy Letters</i> , 2020, 5, 1243-1251.	8.8	80
14	Active and Stable Pt-Ni Alloy Octahedra Catalyst for Oxygen Reduction via Near-Surface Atomical Engineering. <i>ACS Catalysis</i> , 2020, 10, 4205-4214.	5.5	98
15	Gradiently Sodiated Alucone as an Interfacial Stabilizing Strategy for Solid-State Na Metal Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2001118.	7.8	53
16	Suppressing Corrosion of Aluminum Foils via Highly Conductive Graphene-like Carbon Coating in High-Performance Lithium-Based Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32826-32832.	4.0	39
17	Single-Atom Catalysts: From Design to Application. <i>Electrochemical Energy Reviews</i> , 2019, 2, 539-573.	13.1	320
18	Highly stable one-dimensional Pt nanowires with modulated structural disorder towards the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24830-24836.	5.2	26

#	ARTICLE	IF	CITATIONS
19	Pt-Based electrocatalysts with high atom utilization efficiency: from nanostructures to single atoms. <i>Energy and Environmental Science</i> , 2019, 12, 492-517.	15.6	400
20	Ultralow Loading and High-Performing Pt Catalyst for a Polymer Electrolyte Membrane Fuel Cell Anode Achieved by Atomic Layer Deposition. <i>ACS Catalysis</i> , 2019, 9, 5365-5374.	5.5	47