

Kevin N Wood

List of Publications by Year in descending order

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26
papers

3,670
citations

430442

18
h-index

552369

26
g-index

26
all docs

26
docs citations

26
times ranked

5419
citing authors

#	ARTICLE	IF	CITATIONS
1	Dead lithium: mass transport effects on voltage, capacity, and failure of lithium metal anodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11671-11681.	5.2	693
2	Dendrites and Pits: Untangling the Complex Behavior of Lithium Metal Anodes through Operando Video Microscopy. <i>ACS Central Science</i> , 2016, 2, 790-801.	5.3	662
3	Recent progress on nitrogen/carbon structures designed for use in energy and sustainability applications. <i>Energy and Environmental Science</i> , 2014, 7, 1212-1249.	15.6	559
4	Lithium Metal Anodes: Toward an Improved Understanding of Coupled Morphological, Electrochemical, and Mechanical Behavior. <i>ACS Energy Letters</i> , 2017, 2, 664-672.	8.8	434
5	XPS on Li-Battery-Related Compounds: Analysis of Inorganic SEI Phases and a Methodology for Charge Correction. <i>ACS Applied Energy Materials</i> , 2018, 1, 4493-4504.	2.5	300
6	Improved Cycle Life and Stability of Lithium Metal Anodes through Ultrathin Atomic Layer Deposition Surface Treatments. <i>Chemistry of Materials</i> , 2015, 27, 6457-6462.	3.2	299
7	Operando X-ray photoelectron spectroscopy of solid electrolyte interphase formation and evolution in Li ₂ S-P ₂ S ₅ solid-state electrolytes. <i>Nature Communications</i> , 2018, 9, 2490.	5.8	170
8	Atomic Layer Deposition of the Solid Electrolyte Garnet Li ₇ La ₃ Zr ₂ O ₁₂ . <i>Chemistry of Materials</i> , 2017, 29, 3785-3792.	3.2	149
9	Electro-chemo-mechanical evolution of sulfide solid electrolyte/Li metal interfaces: <i>operando</i> analysis and ALD interlayer effects. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6291-6302.	5.2	61
10	Ru-Sn/AC for the Aqueous-Phase Reduction of Succinic Acid to 1,4-Butanediol under Continuous Process Conditions. <i>ACS Catalysis</i> , 2017, 7, 6207-6219.	5.5	44
11	Hierarchical ZnO Nanowire Growth with Tunable Orientations on Versatile Substrates Using Atomic Layer Deposition Seeding. <i>Chemistry of Materials</i> , 2015, 27, 4799-4807.	3.2	38
12	Operando Analysis of Interphase Dynamics in Anode-Free Solid-State Batteries with Sulfide Electrolytes. <i>Journal of the Electrochemical Society</i> , 2021, 168, 070557.	1.3	30
13	Chemistry of Electrolyte Reduction on Lithium Silicide. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13219-13224.	1.5	29
14	Band Edge Positions and Their Impact on the Simulated Device Performance of ZnSnN ₂ -Based Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2018, 8, 110-117.	1.5	25
15	Effect of Halide-Modified Model Carbon Supports on Catalyst Stability. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 6728-6734.	4.0	22
16	Mechanical Properties and Chemical Reactivity of Li _x SiO _y Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38558-38564.	4.0	21
17	Intrinsic Properties of Individual Inorganic Silicon-Electrolyte Interphase Constituents. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 46993-47002.	4.0	21
18	Enhanced Stability of PtRu Supported on N-Doped Carbon for the Anode of a DMFC. <i>Journal of the Electrochemical Society</i> , 2012, 159, F768-F778.	1.3	19

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19	Enhanced Fuel Cell Catalyst Durability with Nitrogen Modified Carbon Supports. Journal of the Electrochemical Society, 2013, 160, F389-F394.	1.3	16
20	Spectroscopic investigation of nitrogen-functionalized carbon materials. Surface and Interface Analysis, 2016, 48, 283-292.	0.8	16
21	High-Performance Alkaline Direct Methanol Fuel Cell using a Nitrogen-Postdoped Anode. ChemSusChem, 2014, 7, 1854-1857.	3.6	15
22	Effect of nitrogen post-doping on a commercial platinum-ruthenium/carbon anode catalyst. Journal of Power Sources, 2014, 248, 296-306.	4.0	15
23	Improvement in direct methanol fuel cell performance by treating the anode at high anodic potential. Journal of Power Sources, 2014, 245, 37-47.	4.0	11
24	In situ small-angle x-ray scattering analysis of improved catalyst-support interactions through nitrogen modification. MRS Communications, 2012, 2, 85-89.	0.8	10
25	Rapid Oxidation and Reduction of Lithium for Improved Cycling Performance and Increased Homogeneity. ACS Applied Materials & Interfaces, 2021, 13, 2654-2661.	4.0	9
26	Nitrogen Post Modification of PtRu/Carbon Catalysts for Improved Methanol Oxidation Reaction Performance in Alkaline Media. Journal of the Electrochemical Society, 2015, 162, F913-F918.	1.3	2