

Katherine L Van Aken

List of Publications by Year in descending order

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13
papers

2,319
citations

759055

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1125617

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all docs

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docs citations

14
times ranked

4189
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Writing of Additive-Free MXene-Ink Water Ink for Electronics and Energy Storage. <i>Advanced Materials Technologies</i> , 2019, 4, 1800256.	3.0	112
2	Asymmetric Flexible MXene-Reduced Graphene Oxide Micro-Supercapacitor. <i>Advanced Electronic Materials</i> , 2018, 4, 1700339.	2.6	324
3	Humidity Exposure Enhances Microscopic Mobility in a Room-Temperature Ionic Liquid in MXene. <i>Journal of Physical Chemistry C</i> , 2018, 122, 27561-27566.	1.5	20
4	Engineering Ultrathin Polyaniline in Micro/Mesoporous Carbon Supercapacitor Electrodes Using Oxidative Chemical Vapor Deposition. <i>Advanced Materials Interfaces</i> , 2017, 4, 1601201.	1.9	66
5	Solvent Polarity Governs Ion Interactions and Transport in a Solvated Room-Temperature Ionic Liquid. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 167-171.	2.1	45
6	Selective Charging Behavior in an Ionic Mixture Electrolyte-Supercapacitor System for Higher Energy and Power. <i>Journal of the American Chemical Society</i> , 2017, 139, 18681-18687.	6.6	101
7	MoS ₂ Nanosheets Vertically Aligned on Carbon Paper: A Freestanding Electrode for Highly Reversible Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2016, 6, 1502161.	10.2	444
8	The critical role of creativity in research. <i>MRS Bulletin</i> , 2016, 41, 934-938.	1.7	2
9	Atomic Defects in Monolayer Titanium Carbide (Ti ₃ C ₂ T _x) MXene. <i>ACS Nano</i> , 2016, 10, 9193-9200.	7.3	785
10	Electrochemical in Situ Tracking of Volumetric Changes in Two-Dimensional Metal Carbides (MXenes) in Ionic Liquids. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32089-32093.	4.0	87
11	High rate capacitive performance of single-walled carbon nanotube aerogels. <i>Nano Energy</i> , 2015, 15, 662-669.	8.2	63
12	Formulation of Ionic-Liquid Electrolyte To Expand the Voltage Window of Supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4806-4809.	7.2	228
13	Effect of cation on diffusion coefficient of ionic liquids at onion-like carbon electrodes. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 284104.	0.7	40