

Adam W Hauser

List of Publications by Year in descending order

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15
papers

838
citations

933447

10
h-index

940533

16
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16
all docs

16
docs citations

16
times ranked

1455
citing authors

#	ARTICLE	IF	CITATIONS
1	Shape-Morphing Materials from Stimuli-Responsive Hydrogel Hybrids. <i>Accounts of Chemical Research</i> , 2017, 50, 161-169.	15.6	360
2	Photothermally Reprogrammable Buckling of Nanocomposite Gel Sheets. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5434-5437.	13.8	126
3	Waveguiding Microactuators Based on a Photothermally Responsive Nanocomposite Hydrogel. <i>Advanced Functional Materials</i> , 2016, 26, 5447-5452.	14.9	84
4	Reconfiguring Nanocomposite Liquid Crystal Polymer Films with Visible Light. <i>Macromolecules</i> , 2016, 49, 1575-1581.	4.8	55
5	Impact of environmental variables on the degradation of photovoltaic components and perspectives for the reliability assessment methodology. <i>Solar Energy</i> , 2020, 199, 425-436.	6.1	41
6	Synthesis of Linear, H-Shaped, and Arachnearm Block Copolymers By Tandem Ring-Opening Polymerizations. <i>Macromolecules</i> , 2010, 43, 8018-8025.	4.8	40
7	Drivers for the cracking of multilayer polyamide-based backsheets in field photovoltaic modules: In-depth degradation mapping analysis. <i>Progress in Photovoltaics: Research and Applications</i> , 2020, 28, 704-716.	8.1	33
8	Photothermocapillary Oscillators. <i>Physical Review Letters</i> , 2018, 121, 158001.	7.8	27
9	Characterizing photovoltaic backsheet adhesion degradation using the wedge and single cantilever beam tests, Part II: Accelerated tests. <i>Solar Energy Materials and Solar Cells</i> , 2020, 211, 110524.	6.2	13
10	Dispersity and architecture driven self-assembly and confined crystallization of symmetric branched block copolymers. <i>Polymer Chemistry</i> , 2019, 10, 5385-5395.	3.9	10
11	Characterizing photovoltaic backsheet adhesion degradation using the wedge and single cantilever beam tests, Part I: Field Modules. <i>Solar Energy Materials and Solar Cells</i> , 2020, 215, 110669.	6.2	9
12	Random photografting of polymers to nanoparticles for well-dispersed nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 152-158.	2.1	7
13	Generalized Spatio-Temporal Model of Backsheet Degradation From Field Surveys of Photovoltaic Modules. <i>IEEE Journal of Photovoltaics</i> , 2019, 9, 1374-1381.	2.5	7
14	Measurement of crack length in width tapered beam experiments. <i>Journal of Adhesion Science and Technology</i> , 2021, 35, 357-374.	2.6	4
15	Photonic polymer multilayers for colorimetric radiation sensing. <i>Sensors and Actuators B: Chemical</i> , 2015, 208, 85-89.	7.8	3