

Yi Hou

List of Publications by Year in descending order

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18
papers

1,062
citations

623734

14
h-index

839539

18
g-index

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all docs

18
docs citations

18
times ranked

640
citing authors

#	ARTICLE	IF	CITATIONS
1	Monolithic perovskite/organic tandem solar cells with 23.6% efficiency enabled by reduced voltage losses and optimized interconnecting layer. <i>Nature Energy</i> , 2022, 7, 229-237.	39.5	137
2	Monolithic Perovskite-Silicon Tandem Solar Cells: From the Lab to Fab?. <i>Advanced Materials</i> , 2022, 34, e2106540.	21.0	92
3	All-Ceramic SiC Aerogel for Wide Temperature Range Electromagnetic Wave Attenuation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 15360-15369.	8.0	26
4	Hierarchical SiC fiber aerogel toward microwave attenuation and thermal insulation application. <i>Journal of Alloys and Compounds</i> , 2022, 911, 165097.	5.5	12
5	Scalable processing for realizing 21.7%-efficient all-perovskite tandem solar modules. <i>Science</i> , 2022, 376, 762-767.	12.6	127
6	Developing the Next-Generation Perovskite/Si Tandems: Toward Efficient, Stable, and Commercially Viable Photovoltaics. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 34262-34268.	8.0	9
7	Direct Ink Writing for High-Efficiency Microwave Attenuation with Nanofibers Alignment. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 31267-31276.	8.0	4
8	High temperature electromagnetic interference shielding of lightweight and flexible ZrC/SiC nanofiber mats. <i>Chemical Engineering Journal</i> , 2021, 404, 126521.	12.7	59
9	Flexible SiC-CNTs hybrid fiber mats for tunable and broadband microwave absorption. <i>Ceramics International</i> , 2021, 47, 8123-8132.	4.8	19
10	Carbonized Silk Fiber Mat: a Flexible and Broadband Microwave Absorber, and the Length Effect. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12747-12754.	6.7	7
11	Implications from Broadband Microwave Absorption of Metal-Modified SiC Fiber Mats. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 31823-31829.	8.0	38
12	Surface Architecture of Ni-Based Metal Organic Framework Hollow Spheres for Adjustable Microwave Absorption. <i>ACS Applied Nano Materials</i> , 2019, 2, 7888-7897.	5.0	50
13	Flexible Fe ₃ /SiC ultrathin hybrid fiber mats with designable microwave absorption performance. <i>RSC Advances</i> , 2018, 8, 33574-33582.	3.6	20
14	Enhanced Flexibility and Microwave Absorption Properties of HfC/SiC Nanofiber Mats. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 29876-29883.	8.0	107
15	Electrospinning of Fe/SiC Hybrid Fibers for Highly Efficient Microwave Absorption. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 7265-7271.	8.0	173
16	Flexible, hydrophobic SiC ceramic nanofibers used as high frequency electromagnetic wave absorbers. <i>Ceramics International</i> , 2017, 43, 7424-7435.	4.8	76
17	SiC Nanofiber Mat: A Broad-Band Microwave Absorber, and the Alignment Effect. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43072-43080.	8.0	74
18	Fabrication and mechanical properties of laminated HfC-SiC/BN ceramics. <i>Journal of the European Ceramic Society</i> , 2014, 34, 3635-3640.	5.7	32