

# Yi Hou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2583507/publications.pdf>

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18  
papers

1,062  
citations

623734

14  
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839539

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all docs

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docs citations

18  
times ranked

640  
citing authors

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