

Zahra Barani

List of Publications by Year in descending order

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15
papers

1,160
citations

759055

12
h-index

996849

15
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all docs

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docs citations

15
times ranked

1125
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal Percolation Threshold and Thermal Properties of Composites with High Loading of Graphene and Boron Nitride Fillers. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37555-37565.	4.0	243
2	Dual-Functional Graphene Composites for Electromagnetic Shielding and Thermal Management. <i>Advanced Electronic Materials</i> , 2019, 5, 1800558.	2.6	183
3	Thermal Properties of the Binary-Filler Hybrid Composites with Graphene and Copper Nanoparticles. <i>Advanced Functional Materials</i> , 2020, 30, 1904008.	7.8	179
4	Thermal and electrical conductivity control in hybrid composites with graphene and boron nitride fillers. <i>Materials Research Express</i> , 2019, 6, 085325.	0.8	101
5	Multifunctional Graphene Composites for Electromagnetic Shielding and Thermal Management at Elevated Temperatures. <i>Advanced Electronic Materials</i> , 2020, 6, 2000520.	2.6	78
6	Thermal interface materials with graphene fillers: review of the state of the art and outlook for future applications. <i>Nanotechnology</i> , 2021, 32, 142003.	1.3	76
7	Noncuring Graphene Thermal Interface Materials for Advanced Electronics. <i>Advanced Electronic Materials</i> , 2020, 6, 1901303.	2.6	72
8	Phonon and Thermal Properties of Quasi-Two-Dimensional FePS ₃ and MnPS ₃ Antiferromagnetic Semiconductors. <i>ACS Nano</i> , 2020, 14, 2424-2435.	7.3	58
9	Graphene Epoxy-Based Composites as Efficient Electromagnetic Absorbers in the Extremely High-Frequency Band. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 28635-28644.	4.0	53
10	Electrically Insulating Flexible Films with Quasi-1D van der Waals Fillers as Efficient Electromagnetic Shields in the GHz and Sub-THz Frequency Bands. <i>Advanced Materials</i> , 2021, 33, e2007286.	11.1	51
11	Specifics of Thermal Transport in Graphene Composites: Effect of Lateral Dimensions of Graphene Fillers. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 53073-53082.	4.0	26
12	Electromagnetic-Polarization-Selective Composites with Quasi-1D Van der Waals Fillers: Nanoscale Material Functionality That Mimics Macroscopic Systems. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 21527-21533.	4.0	12
13	Printed Electronic Devices with Inks of TiS ₃ Quasi-One-Dimensional van der Waals Material. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47033-47042.	4.0	12
14	Charge-Density-Wave Thin-Film Devices Printed with Chemically Exfoliated 1T-TaS ₂ Ink. <i>ACS Nano</i> , 2022, 16, 6325-6333.	7.3	9
15	Efficient terahertz radiation absorption by dilute graphene composites. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	7