

# Zahra Barani

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4717526/publications.pdf>

Version: 2024-02-01

15  
papers

1,160  
citations

759055

12  
h-index

996849

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

1125  
citing authors

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