

# Yuanlie Yu

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

1,790  
citations

257450

24  
h-index

265206

42  
g-index

48  
all docs

48  
docs citations

48  
times ranked

2078  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quasi-isotropically thermoconductive, antiwear and insulating hierarchically assembled hexagonal boron nitride nanosheet/epoxy composites for efficient microelectronic cooling. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 1907-1918.	9.4	21
2	Flexible and quasi-isotropically thermoconductive polyimide films by guided assembly of boron nitride nanoplate/boron nitride flakes for microelectronic application. <i>Chemical Engineering Journal</i> , 2022, 431, 133740.	12.7	37
3	Rich activated edges of hexagonal boron nitride flakes in-situ triggered by nickel nanoparticles to achieve efficient reduction of friction and wear. <i>Composites Part B: Engineering</i> , 2022, 234, 109710.	12.0	9
4	Friction Behavior and Structural Evolution of Hexagonal Boron Nitride: A Relation to Environmental Molecules Containing $\text{OH}$ Functional Group. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 19043-19055.	8.0	4
5	Water-icing-triggered scalable and controllable exfoliation of hexagonal boron nitride nanosheets. <i>Cell Reports Physical Science</i> , 2022, 3, 100941.	5.6	6
6	Three-dimensional network-like structure formed by silicon coated carbon nanotubes for enhanced microwave absorption. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 177-186.	9.4	64
7	Biocompatible porous boron nitride nano/microrods with ultrafast selective adsorption for dyes. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104797.	6.7	21
8	Controllable fabrication of lightweight carbon with hierarchically hollow structure for enhanced microwave absorption. <i>Diamond and Related Materials</i> , 2021, 113, 108285.	3.9	10
9	Hexagonal boron nitride quantum dots: Properties, preparation and applications. <i>Materials Today Chemistry</i> , 2021, 20, 100425.	3.5	18
10	Boron Nitride Nanosheet Dispersion at High Concentrations. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 44751-44759.	8.0	30
11	Quasi-isotropically Thermal Conductive, Highly Transparent, Insulating and Superflexible Polymer Films Achieved by Cross Linked 2D Hexagonal Boron Nitride Nanosheets. <i>Small</i> , 2021, 17, e2101409.	10.0	49
12	High Loading Capacity and Wear Resistance of Graphene Oxide/Organic Molecule Assembled Multilayer Film. <i>Frontiers in Chemistry</i> , 2021, 9, 740140.	3.6	5
13	Superhydrophobicity of polyvinylidene fluoride induced by integrating liquid-exfoliated hexagonal boron nitride nanosheets. <i>High Performance Polymers</i> , 2020, 32, 73-82.	1.8	6
14	Facile fabrication of Hildewintera-colademonis-like hexagonal boron nitride/carbon nanotube composite having light weight and enhanced microwave absorption. <i>Journal of Colloid and Interface Science</i> , 2020, 564, 454-466.	9.4	43
15	Superlow friction of amorphous diamond-like carbon films in humid ambient enabled by hexagonal boron nitride nanosheet wrapped carbon nanoparticles. <i>Chemical Engineering Journal</i> , 2020, 402, 126206.	12.7	46
16	Two dimensional cubic boron nitride nanosheets converted from hexagonal boron nitride bilayers: electrical conductivity, magnetism and visible absorption properties. <i>Chinese Journal of Physics</i> , 2020, 66, 534-542.	3.9	0
17	Regulating the electrical conductivity of hexagonal boron nitride nanosheets with excellent tribological performance for micro and nano electromechanical system applications. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 120, 114045.	2.7	13
18	Reduction of interlayer friction between bilayer hexagonal boron nitride nanosheets induced by electron redistribution. <i>Journal of Applied Physics</i> , 2019, 126, 035104.	2.5	6

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19	Simultaneous production and functionalization of hexagonal boron nitride nanosheets by solvent-free mechanical exfoliation for superlubricant water-based lubricant additives. <i>Npj 2D Materials and Applications</i> , 2019, 3, .	7.9	68
20	First-principles insights of electronic and optical properties of F-doped hexagonal boron nitride nanosheets for photo-catalytic water splitting. <i>Europhysics Letters</i> , 2019, 127, 67003.	2.0	16
21	The effects of the hexagonal boron nitride nanoflake properties on the thermal conductivity of hexagonal boron nitride nanoflake/silicone rubber composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 127, 105629.	7.6	57
22	Mass fabrication and superior microwave absorption property of multilayer graphene/hexagonal boron nitride nanoparticle hybrids. <i>Npj 2D Materials and Applications</i> , 2019, 3, .	7.9	54
23	Tuning the inner hollow structure of lightweight amorphous carbon for enhanced microwave absorption. <i>Chemical Engineering Journal</i> , 2019, 375, 121914.	12.7	71
24	Ball Milling of Hexagonal Boron Nitride Microflakes in Ammonia Fluoride Solution Gives Fluorinated Nanosheets That Serve as Effective Water-Dispersible Lubricant Additives. <i>ACS Applied Nano Materials</i> , 2019, 2, 3187-3195.	5.0	92
25	Effect of specific cathode surface area on biofouling in an anaerobic electrochemical membrane bioreactor: Novel insights using high-speed video camera. <i>Journal of Membrane Science</i> , 2019, 577, 176-183.	8.2	20
26	Large scale fabrication of porous boron nitride microrods with tunable pore size for superior copper (II) ion adsorption. <i>Ceramics International</i> , 2019, 45, 6684-6692.	4.8	24
27	Facile fabrication of boron and nitrogen co-doped carbon@Fe <sub>2</sub> O <sub>3</sub> /Fe <sub>3</sub> C/Fe nanoparticle decorated carbon nanotubes three-dimensional structure with excellent microwave absorption properties. <i>Composites Part B: Engineering</i> , 2018, 132, 141-150.	12.0	79
28	Porous Hollow Fiber Nickel Electrodes for Effective Supply and Reduction of Carbon Dioxide to Methane through Microbial Electrosynthesis. <i>Advanced Functional Materials</i> , 2018, 28, 1804860.	14.9	122
29	Fabrication of novel hydrophobic SiC/SiO <sub>2</sub> bead-string like core-shell nanochains via a facile catalyst/template-free thermal chemical vapor deposition process. <i>Materials Chemistry and Physics</i> , 2018, 217, 111-116.	4.0	12
30	Three dimensional hexagonal boron nitride nanosheet/carbon nanotube composites with light weight and enhanced microwave absorption performance. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 112, 515-524.	7.6	77
31	High-efficient production of SiC/SiO <sub>2</sub> core-shell nanowires for effective microwave absorption. <i>Materials and Design</i> , 2017, 121, 185-193.	7.0	81
32	Selective separation of oil and water with special wettability mesh membranes. <i>RSC Advances</i> , 2017, 7, 12908-12915.	3.6	22
33	Large-scale fabrication and utilization of novel hexagonal/turbostratic composite boron nitride nanosheets. <i>Materials and Design</i> , 2017, 120, 266-272.	7.0	26
34	Facile fabrication of carbon microspheres decorated with B(OH) <sub>3</sub> and Fe <sub>2</sub> O <sub>3</sub> nanoparticles: Superior microwave absorption. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 402-409.	9.4	44
35	Enhanced microwave absorption properties of graphite nanoflakes by coating hexagonal boron nitride nanocrystals. <i>Applied Surface Science</i> , 2017, 420, 858-867.	6.1	49
36	Chemical Blowing of Sausage-Like Carbon Nanotubes with Oriented Graphene Layer Walls. <i>ChemNanoMat</i> , 2016, 2, 856-860.	2.8	2

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37	Selective separation of oil and water with mesh membranes by capillarity. <i>Advances in Colloid and Interface Science</i> , 2016, 235, 46-55.	14.7	64
38	A Facile Strategy for the Functionalization of Boron Nitride Nanotubes with Pd Nanoparticles. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-5.	2.7	0
39	Nanostructured Surfaces, Coatings, and Films 2014. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-2.	2.7	0
40	Boron nitride nanosheets as improved and reusable substrates for gold nanoparticles enabled surface enhanced Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 7761-7766.	2.8	61
41	Facile fabrication of boron nitride nanosheets/amorphous carbon hybrid film for optoelectronic applications. <i>RSC Advances</i> , 2015, 5, 19236-19240.	3.6	16
42	Superhydrophobic and Superoleophilic Porous Boron Nitride Nanosheet/Polyvinylidene Fluoride Composite Material for Oil/Polluted Water Cleanup. <i>Advanced Materials Interfaces</i> , 2015, 2, 1400267.	3.7	125
43	Superhydrophobic and Superoleophilic Boron Nitride Nanotube-Coated Stainless Steel Meshes for Oil and Water Separation. <i>Advanced Materials Interfaces</i> , 2014, 1, 1300002.	3.7	107
44	Porous carbon nanotube/polyvinylidene fluoride composite material: Superhydrophobicity/superoleophilicity and tunability of electrical conductivity. <i>Polymer</i> , 2014, 55, 5616-5622.	3.8	36
45	Humidity sensing properties of single Au-decorated boron nitride nanotubes. <i>Electrochemistry Communications</i> , 2013, 30, 29-33.	4.7	40
46	The chemical composition and bonding structure of amorphous hydrogenated carbon nitride film on aluminum surface deposited by electrodeposition. <i>Surface and Interface Analysis</i> , 2011, 43, 823-826.	1.8	6
47	Ultrafast electrodeposition of amorphous carbon nitride films from fullerene derivative. <i>Electrochemistry Communications</i> , 2010, 12, 390-393.	4.7	10
48	Fabrication of highly conductive Ru/a-CN <sub>x</sub> :H composite films by anode deposit. <i>Electrochemistry Communications</i> , 2009, 11, 772-775.	4.7	21