

Chengchun Tang

List of Publications by Year in descending order

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195
papers

12,825
citations

38742

50
h-index

24982

109
g-index

197
all docs

197
docs citations

197
times ranked

13183
citing authors

#	ARTICLE	IF	CITATIONS
1	Boron Nitride Nanotubes and Nanosheets. ACS Nano, 2010, 4, 2979-2993.	14.6	1,981
2	Large-scale Fabrication of Boron Nitride Nanosheets and Their Utilization in Polymeric Composites with Improved Thermal and Mechanical Properties. Advanced Materials, 2009, 21, 2889-2893.	21.0	1,496
3	Ultrahard nanotwinned cubic boron nitride. Nature, 2013, 493, 385-388.	27.8	662
4	Towards Thermoconductive, Electrically Insulating Polymeric Composites with Boron Nitride Nanotubes as Fillers. Advanced Functional Materials, 2009, 19, 1857-1862.	14.9	457
5	Elastic modulus and resonance behavior of boron nitride nanotubes. Applied Physics Letters, 2004, 84, 2527-2529.	3.3	350
6	Catalyzed Collapse and Enhanced Hydrogen Storage of BN Nanotubes. Journal of the American Chemical Society, 2002, 124, 14550-14551.	13.7	282
7	A novel precursor for synthesis of pure boron nitride nanotubes Electronic supplementary information (ESI) available: (a) experimental apparatus and details; (b) Fig. S2, XRD pattern of BN nanotubes; (c) XRD pattern of the product formed by dispersive Mg at the surface of the graphite susceptor; (d) Fig. S4, EELS spectrum of BN nanotubes; (e) Fig. S5, selected-area electron diffraction; (f) Fig. S6. EDS analysis of open tip. See http://www.rsc.org/suppdata/cc/b2/b202177cl . Chemical Communications, 2002, , 1290-1291.	4.1	269
8	Perfectly Dissolved Boron Nitride Nanotubes Due to Polymer Wrapping. Journal of the American Chemical Society, 2005, 127, 15996-15997.	13.7	248
9	Fluorination and Electrical Conductivity of BN Nanotubes. Journal of the American Chemical Society, 2005, 127, 6552-6553.	13.7	220
10	Porous boron nitride with a high surface area: hydrogen storage and water treatment. Nanotechnology, 2013, 24, 155603.	2.6	203
11	Activated boron nitride as an effective adsorbent for metal ions and organic pollutants. Scientific Reports, 2013, 3, 3208.	3.3	203
12	Synthetic Routes and Formation Mechanisms of Spherical Boron Nitride Nanoparticles. Advanced Functional Materials, 2008, 18, 3653-3661.	14.9	196
13	Direct Force Measurements and Kinking under Elastic Deformation of Individual Multiwalled Boron Nitride Nanotubes. Nano Letters, 2007, 7, 2146-2151.	9.1	192
14	The performance of porous hexagonal BN in high adsorption capacity towards antibiotics pollutants from aqueous solution. Chemical Engineering Journal, 2017, 325, 71-79.	12.7	178
15	Phonon characteristics and cathodoluminescence of boron nitride nanotubes. Applied Physics Letters, 2005, 86, 213110.	3.3	171
16	P-Doped Iron-Nickel Sulfide Nanosheet Arrays for Highly Efficient Overall Water Splitting. ACS Applied Materials & Interfaces, 2019, 11, 27667-27676.	8.0	155
17	Template-free synthesis of boron nitride foam-like porous monoliths and their high-end applications in water purification. Journal of Materials Chemistry A, 2016, 4, 1469-1478.	10.3	133
18	Effect of BN coatings on oxidation resistance and field emission of SiC nanowires. Applied Physics Letters, 2003, 83, 659-661.	3.3	128

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19	Chemical activation of boron nitride fibers for improved cationic dye removal performance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8185-8193.	10.3	121
20	Ultrathin h-BN/Bi ₂ MoO ₆ heterojunction with synergetic effect for visible-light photocatalytic tetracycline degradation. <i>Journal of Colloid and Interface Science</i> , 2021, 589, 545-555.	9.4	115
21	Improved Li ⁺ Storage through Homogeneous N-Doping within Highly Branched Tubular Graphitic Foam. <i>Advanced Materials</i> , 2017, 29, 1603692.	21.0	113
22	Multifunctional Superelastic Foam-Like Boron Nitride Nanotubular Cellular-Network Architectures. <i>ACS Nano</i> , 2017, 11, 558-568.	14.6	110
23	Solvothermal Synthesis of Ultrathin Cesium Lead Halide Perovskite Nanoplatelets with Tunable Lateral Sizes and Their Reversible Transformation into Cs ₄ PbBr ₆ Nanocrystals. <i>Chemistry of Materials</i> , 2018, 30, 3714-3721.	6.7	108
24	Boron- ¹⁵ N oxygen luminescence centres in boron- ¹⁵ N nitrogen systems. <i>Chemical Communications</i> , 2007, , 4599.	4.1	102
25	Cerium Phosphate Nanotubes: Synthesis, Valence State, and Optical Properties. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 576-579.	13.8	100
26	Monodispersed Spherical Particles of Brookite-Type TiO ₂ : Synthesis, Characterization, and Photocatalytic Property. <i>Journal of the American Ceramic Society</i> , 2004, 87, 1358-1361.	3.8	99
27	Bulk synthesis, growth mechanism and properties of highly pure ultrafine boron nitride nanotubes with diameters of sub-10 nm. <i>Nanotechnology</i> , 2011, 22, 145602.	2.6	97
28	Facile Synthesis of Graphene-Like Copper Oxide Nanofilms with Enhanced Electrochemical and Photocatalytic Properties in Energy and Environmental Applications. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 9682-9690.	8.0	89
29	Self-Templating Construction of Porous CoSe ₂ Nanosheet Arrays as Efficient Bifunctional Electrocatalysts for Overall Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15374-15382.	6.7	89
30	Oxide-Assisted Catalytic Growth of MgO Nanowires with Uniform Diameter Distribution. <i>Journal of Physical Chemistry B</i> , 2002, 106, 7449-7452.	2.6	88
31	Purification of Boron Nitride Nanotubes through Polymer Wrapping. <i>Journal of Physical Chemistry B</i> , 2006, 110, 1525-1528.	2.6	84
32	Ultrafine porous boron nitride nanofibers synthesized via a freeze-drying and pyrolysis process and their adsorption properties. <i>RSC Advances</i> , 2016, 6, 1253-1259.	3.6	84
33	Selective adsorption behavior/mechanism of antibiotic contaminants on novel boron nitride bundles. <i>Journal of Hazardous Materials</i> , 2019, 364, 654-662.	12.4	84
34	CuCo binary metal nanoparticles supported on boron nitride nanofibers as highly efficient catalysts for hydrogen generation from hydrolysis of ammonia borane. <i>Journal of Power Sources</i> , 2019, 431, 135-143.	7.8	82
35	Thermal Conductivity of Nanostructured Boron Nitride Materials. <i>Journal of Physical Chemistry B</i> , 2006, 110, 10354-10357.	2.6	81
36	Hierarchical, porous CuS microspheres integrated with carbon nanotubes for high-performance supercapacitors. <i>Scientific Reports</i> , 2015, 5, 16584.	3.3	81

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37	Densely Interconnected Porous BN Frameworks for Multifunctional and Isotropically Thermoconductive Polymer Composites. <i>Advanced Functional Materials</i> , 2018, 28, 1801205.	14.9	76
38	Quasi-aligned single-crystalline GaN nanowire arrays. <i>Applied Physics Letters</i> , 2005, 87, 073106.	3.3	68
39	Boron Nitride Nanotubes Filled with Ni and NiSi ₂ Nanowires in Situ. <i>Journal of Physical Chemistry B</i> , 2003, 107, 6539-6543.	2.6	67
40	Nickel (II) modified porous boron nitride: An effective adsorbent for tetracycline removal from aqueous solution. <i>Chemical Engineering Journal</i> , 2020, 394, 124985.	12.7	66
41	Self-Assembly of Porous Boron Nitride Microfibers into Ultralight Multifunctional Foams of Large Sizes. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44732-44739.	8.0	64
42	Facile synthesis of γ -Fe ₂ O ₃ nanodisk with superior photocatalytic performance and mechanism insight. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 014801.	6.1	63
43	Excellent performance for water purification achieved by activated porous boron nitride nanosheets. <i>Materials Chemistry and Physics</i> , 2017, 196, 186-193.	4.0	63
44	Scalable exfoliation and gradable separation of boric-acid-functionalized boron nitride nanosheets. <i>2D Materials</i> , 2019, 6, 035014.	4.4	62
45	Computational investigation on the endohedral borofullerenes M@B ₄₀ (M = Sc, Y, La). <i>Theoretical Chemistry Accounts</i> , 2015, 134, 1.	1.4	61
46	Solvothermal synthesis of cesium lead halide perovskite nanowires with ultra-high aspect ratios for high-performance photodetectors. <i>Nanoscale</i> , 2018, 10, 21451-21458.	5.6	61
47	Synthesis of In ₂ O ₃ Nanowire-Decorated Ga ₂ O ₃ Nanobelt Heterostructures and Their Electrical and Field-Emission Properties. <i>ACS Nano</i> , 2010, 4, 2452-2458.	14.6	60
48	Effective capture and reversible storage of iodine using foam-like adsorbents consisting of porous boron nitride microfibers. <i>Chemical Engineering Journal</i> , 2020, 382, 122833.	12.7	60
49	Carbon doped hexagonal boron nitride nanoribbon as efficient metal-free electrochemical nitrogen reduction catalyst. <i>Chemical Engineering Journal</i> , 2021, 410, 128419.	12.7	59
50	Effects of Carbon and Oxygen Impurities on Luminescence Properties of BCNO Phosphor. <i>Journal of the American Ceramic Society</i> , 2014, 97, 246-250.	3.8	58
51	Hierarchical porous CuO nanostructures with tunable properties for high performance supercapacitors. <i>RSC Advances</i> , 2015, 5, 10773-10781.	3.6	53
52	Blue emitting BCNO phosphors with high quantum yields. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3311-3317.	5.5	51
53	Large-scale synthesis and structure of boron nitride sub-micron spherical particles. <i>Chemical Communications</i> , 2002, , 2826-2827.	4.1	48
54	Improved TiO ₂ Photocatalytic Reduction by the Intrinsic Electrostatic Potential of BN Nanotubes. <i>Chemistry - an Asian Journal</i> , 2010, 5, 1220-1224.	3.3	47

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55	Single-Crystal Al ₁₈ B ₄ O ₃₃ Microtubes. <i>Journal of the American Chemical Society</i> , 2002, 124, 10668-10669.	13.7	46
56	Highly Multifunctional and Thermoconductive Performances of Densely Filled Boron Nitride Nanosheets/Epoxy Resin Bulk Composites. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 2853-2867.	8.0	46
57	Thin-walled boron nitride microtubes exhibiting intense band-edge UV emission at room temperature. <i>Nanotechnology</i> , 2009, 20, 085705.	2.6	45
58	BN nanotubes coated with uniformly distributed Fe ₃ O ₄ nanoparticles: novel magneto-operable nanocomposites. <i>Journal of Materials Chemistry</i> , 2010, 20, 1007-1011.	6.7	44
59	Cr(III) adsorption by fluorinated activated boron nitride: a combined experimental and theoretical investigation. <i>RSC Advances</i> , 2014, 4, 14815.	3.6	43
60	Large-scale fabrication of boron nitride nanohorn. <i>Applied Physics Letters</i> , 2005, 87, 063107.	3.3	42
61	Sulfur vacancy-tailored NiCo ₂ S ₄ nanosheet arrays for the hydrogen evolution reaction at all pH values. <i>Catalysis Science and Technology</i> , 2020, 10, 1056-1065.	4.1	42
62	Controllable synthesis and enhanced microwave absorption properties of novel lightweight graphene quantum dots/hexagonal boron nitride composites. <i>Carbon</i> , 2021, 182, 134-143.	10.3	41
63	Dielectric and thermal properties of epoxy/boron nitride nanotube composites. <i>Pure and Applied Chemistry</i> , 2010, 82, 2175-2183.	1.9	40
64	Novel multifunctional cheese-like 3D carbon-BN as a highly efficient adsorbent for water purification. <i>Scientific Reports</i> , 2018, 8, 1104.	3.3	39
65	Comparative studies on BN-coatings on SiC and Si ₃ N ₄ nanowires. <i>Journal of Materials Chemistry</i> , 2002, 12, 1910-1913.	6.7	38
66	Synthesis of magnetically separable porous BN microrods@Fe ₃ O ₄ nanocomposites for Pb(II) adsorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 537, 508-515.	4.7	38
67	Molecule Ordering Triggered by Boron Nitride Nanotubes and "Green" Chemical Functionalization of Boron Nitride Nanotubes. <i>Journal of Physical Chemistry C</i> , 2007, 111, 18545-18549.	3.1	37
68	Self-supported CoFe LDH/Co _{0.85} Se nanosheet arrays as efficient electrocatalysts for the oxygen evolution reaction. <i>Catalysis Science and Technology</i> , 2019, 9, 5736-5744.	4.1	37
69	A novel TiO ₂ ^N /BN composite photocatalyst: Synthesis, characterization and enhanced photocatalytic activity for Rhodamine B degradation under visible light. <i>Catalysis Communications</i> , 2014, 57, 9-13.	3.3	36
70	Luminescence properties of BCNO phosphor prepared by a green and simple method. <i>Materials Letters</i> , 2013, 94, 72-75.	2.6	34
71	Single-crystalline spherical In ²⁺ -Ga ₂ O ₃ particles: Synthesis, N-doping and photoluminescence properties. <i>Journal of Luminescence</i> , 2013, 140, 30-37.	3.1	34
72	Defect-rich (Co, Fe) ₃ O ₄ hierarchical nanosheet arrays for efficient oxygen evolution reaction. <i>Applied Surface Science</i> , 2020, 529, 147125.	6.1	34

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73	Multi-walled BN nanotubes synthesized by carbon-free method. Journal of Solid State Chemistry, 2004, 177, 2670-2674.	2.9	33
74	Pore structure regulation and carbon dioxide adsorption capacity improvement on porous BN fibers: Effects of high-temperature treatments in gaseous ambient. Chemical Engineering Journal, 2019, 373, 616-623.	12.7	33
75	Synthesis and field emission of carbon nanotubular fibers doped with high nitrogen content. Chemical Communications, 2003, , 3050.	4.1	32
76	Synthesis of hierarchically porous TiO ₂ nanomaterials using alginate as soft templates. Materials Research Bulletin, 2016, 83, 609-614.	5.2	32
77	Dual tuning of nickel sulfide nanoflake array electrocatalyst through nitrogen doping and carbon coating for efficient and stable water splitting. Catalysis Science and Technology, 2019, 9, 3099-3108.	4.1	32
78	Large-scale synthesis of hexagonal boron nitride nanosheets and their improvement in thermal properties of epoxy composites. Polymer Composites, 2014, 35, 1707-1715.	4.6	31
79	Cost-effective CuO nanotube electrodes for energy storage and non-enzymatic glucose detection. RSC Advances, 2014, 4, 46814-46822.	3.6	31
80	Porous boron nitride coupled with CdS for adsorption and photocatalytic synergistic removal of RhB. RSC Advances, 2016, 6, 99165-99171.	3.6	31
81	In Situ Cu-Loaded Porous Boron Nitride Nanofiber as an Efficient Adsorbent for CO ₂ Capture. ACS Sustainable Chemistry and Engineering, 2020, 8, 7454-7462.	6.7	30
82	Spectral properties and luminescence mechanism of red emitting BCNO phosphors. RSC Advances, 2015, 5, 40864-40871.	3.6	29
83	Porous BN with vacancy defects for selective removal of CO from H ₂ feed gas in hydrogen fuel cells: a DFT study. Journal of Materials Chemistry A, 2016, 4, 15631-15637.	10.3	29
84	Hollow MOF-derived CoNi/C composites as effective electromagnetic absorbers in the X-band and Ku-band. Journal of Materials Chemistry C, 2022, 10, 983-993.	5.5	29
85	The thermodynamic, electronic and elastic properties of the early-transition-metal diborides with AlB ₂ -type structure: A density functional theory study. Journal of Alloys and Compounds, 2014, 607, 198-206.	5.5	28
86	BN tubular layer-sheathed CaS:Eu ²⁺ nanowires as stable red-light-emitting nanophosphors. Chemical Communications, 2009, , 6631.	4.1	27
87	Bimetallic AuPd Nanoparticles Loaded on Amine-Functionalized Porous Boron Nitride Nanofibers for Catalytic Dehydrogenation of Formic Acid. ACS Applied Nano Materials, 2021, 4, 1849-1857.	5.0	27
88	High performance UV light photodetectors based on Sn-nanodot-embedded SnO ₂ nanobelts. Journal of Materials Chemistry C, 2015, 3, 5253-5258.	5.5	26
89	Enhanced organic dye removal of the W and N co-doped NaTaO ₃ under visible light irradiation. Journal of Alloys and Compounds, 2016, 681, 225-232.	5.5	26
90	Desulfurization of Model Oil by Selective Adsorption over Porous Boron Nitride Fibers with Tailored Microstructures. Scientific Reports, 2017, 7, 3297.	3.3	26

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91	Enhanced adsorption of fluoride on Al-modified boron nitride nanosheets from aqueous solution. <i>Journal of Alloys and Compounds</i> , 2019, 793, 512-518.	5.5	26
92	Construction of 2D/2D Bi ₂ WO ₆ /BN heterojunction for effective improvement on photocatalytic degradation of tetracycline. <i>Journal of Alloys and Compounds</i> , 2022, 894, 162487.	5.5	26
93	Spectral properties of BCNO phosphor with wide range of excitation and emission. <i>Materials Letters</i> , 2013, 102-103, 102-105.	2.6	25
94	Free-standing membranes made of activated boron nitride for efficient water cleaning. <i>RSC Advances</i> , 2015, 5, 71537-71543.	3.6	25
95	Quasi-Aligned Ga ₂ O ₃ Nanowires Grown on Brass Wire Meshes and Their Electrical and Field-Emission Properties. <i>Journal of Physical Chemistry C</i> , 2009, 113, 1980-1983.	3.1	24
96	Fe ₃ O ₄ nanoparticle-coated boron nitride nanospheres: Synthesis, magnetic property and biocompatibility study. <i>Ceramics International</i> , 2017, 43, 6371-6376.	4.8	24
97	Ultrathin carbon coated CoO nanosheet arrays as efficient electrocatalysts for the hydrogen evolution reaction. <i>Catalysis Science and Technology</i> , 2019, 9, 6957-6964.	4.1	24
98	Accelerating CO ₂ transport through nanoconfined magnetic ionic liquid in laminated BN membrane. <i>Chemical Engineering Journal</i> , 2021, 423, 130309.	12.7	24
99	N,N-Dimethyl formamide facilitated formation of hexagonal boron nitride from boric acid. <i>Solid State Sciences</i> , 2013, 24, 1-5.	3.2	22
100	Efficient Energy Transfer in Terbium Complexes/Porous Boron Nitride Hybrid Luminescent Materials. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19915-19921.	3.1	22
101	Thermal oxidation of gallium nitride nanowires. <i>Applied Physics Letters</i> , 2003, 83, 3177-3179.	3.3	21
102	Dependence of the elastic properties of the early-transition-metal monoborides on their electronic structures: A density functional theory study. <i>Physica B: Condensed Matter</i> , 2013, 419, 105-111.	2.7	21
103	Hybrid nanonet/nanoflake NiCo ₂ O ₄ electrodes with an ultrahigh surface area for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 3143-3152.	2.5	21
104	Organic Fluorescent Dyes Supported on Activated Boron Nitride: A Promising Blue Light Excited Phosphors for High-Performance White Light-Emitting Diodes. <i>Scientific Reports</i> , 2015, 5, 8492.	3.3	21
105	Toxicity evaluation of boron nitride nanospheres and water-soluble boron nitride in <i>Caenorhabditis elegans</i> . <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 5941-5957.	6.7	21
106	Synthesis and Characterizations of Zinc Oxide on Reduced Graphene Oxide for High Performance Electrocatalytic Reduction of Oxygen. <i>Molecules</i> , 2018, 23, 3227.	3.8	21
107	Synthesis of Perovskite CsPbBr ₃ Quantum Dots/Porous Boron Nitride Nanofiber Composites with Improved Stability and Their Reversible Optical Response to Ammonia. <i>Inorganic Chemistry</i> , 2020, 59, 1234-1241.	4.0	21
108	Hierarchically porous boron nitride foams for multifunctional bulk adsorbents. <i>Chemical Engineering Journal</i> , 2021, 422, 129896.	12.7	21

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109	Europium (III) Organic Complexes in Porous Boron Nitride Microfibers: Efficient Hybrid Luminescent Material. <i>Scientific Reports</i> , 2016, 6, 34576.	3.3	19
110	Novel SrTiO ₃ /NaTaO ₃ and visible-light-driven SrTiO ₃ /NaTaO ₃ :N nano-heterojunctions with high interface-lattice matching for efficient photocatalytic removal of organic dye. <i>RSC Advances</i> , 2018, 8, 19279-19288.	3.6	19
111	Surface ligand engineering of CsPbBr ₃ perovskite nanowires for high-performance photodetectors. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 2367-2376.	9.4	19
112	Spectra Properties of BCNO Phosphor Prepared by a Two-Step Method at Low Sintering Temperature. <i>ECS Journal of Solid State Science and Technology</i> , 2013, 2, R39-R43.	1.8	18
113	Controllable fabrication of novel graphene quantum dots/fluorinated boron nitride ultralight composites for broadband and high-performance microwave absorption. <i>Carbon</i> , 2022, 186, 391-405.	10.3	18
114	Single-source precursor for chemical vapour deposition of collapsed boron nitride nanotubes. <i>Nanotechnology</i> , 2006, 17, 5882-5888.	2.6	17
115	A Hybrid Material Combined Copper Oxide with Graphene for an Oxygen Reduction Reaction in an Alkaline Medium. <i>Molecules</i> , 2019, 24, 441.	3.8	17
116	Preparation optimization and spectral properties of BCNO phosphors with high quantum efficiency. <i>Journal of Luminescence</i> , 2014, 153, 338-342.	3.1	16
117	Preparation of chromatic composite hollow nanoparticles containing mixed metal oxides for full-color electrophoretic displays. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5664-5670.	5.5	16
118	Solvothermal synthesis of Mn-doped CsPbCl ₃ perovskite nanocrystals with tunable morphology and their size-dependent optical properties. <i>RSC Advances</i> , 2019, 9, 39315-39322.	3.6	16
119	Fluorine doped porous boron nitride for efficient CO ₂ capture and separation: A DFT study. <i>Applied Surface Science</i> , 2021, 556, 149775.	6.1	16
120	CoO modified porous boron nitride fibers for the adsorption and removal of chlortetracycline from aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 632, 127749.	4.7	16
121	First-principles calculations on the structural, elastic and electronic properties of a class of ternary carbides: A survey investigation. <i>Materials and Design</i> , 2017, 116, 331-339.	7.0	15
122	Controllable synthesis of CsPbI ₃ nanorods with tunable photoluminescence emission. <i>RSC Advances</i> , 2019, 9, 24928-24934.	3.6	15
123	Novel hierarchical RGO/MoS ₂ /K ⁺ MnO ₂ composite architectures with enhanced broadband microwave absorption performance. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13878-13886.	5.5	15
124	Facile synthesis and photoluminescent properties of BCNO phosphors for white light emitting diodes application. <i>Ceramics International</i> , 2014, 40, 7617-7620.	4.8	14
125	A Novel Ethanol Induced and Stabilized Hierarchical Nanorods: Hydroxyapatite Nanopeanut. <i>Journal of the American Ceramic Society</i> , 2015, 98, 1702-1705.	3.8	14
126	Template-free synthesis of three dimensional porous boron nitride nanosheets for efficient water cleaning. <i>RSC Advances</i> , 2018, 8, 32886-32892.	3.6	14

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127	Synergistic adsorption of Pb(II) ions by Fe ₃ O ₄ nanoparticles-decorated porous BN nanofibers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 589, 124400.	4.7	14
128	Preparation of boron nitride nanofibers/PVA composite foam for environmental remediation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 604, 125287.	4.7	14
129	Anchoring of CsPbBr ₃ perovskite quantum dots on BN nanostructures for enhanced efficiency and stability: a comparative study. <i>Journal of Materials Chemistry C</i> , 2021, 9, 842-850.	5.5	14
130	Hierarchically Porous Boron Nitride/HKUST-1 Hybrid Materials: Synthesis, CO ₂ Adsorption Capacity, and CO ₂ /N ₂ and CO ₂ /CH ₄ Selectivity. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 2463-2471.	3.7	14
131	Interfacial modification of Co(OH) ₂ /Co ₃ O ₄ nanosheet heterostructure arrays for the efficient oxygen evolution reaction. <i>Catalysis Science and Technology</i> , 2021, 11, 3706-3714.	4.1	14
132	Experimental identification of p-type conduction in fluoridized boron nitride nanotube. <i>Applied Physics Letters</i> , 2013, 102, 153107.	3.3	13
133	In-situ conversion of porous boron nitride to highly crystallized nanoplates-assembled hexagonal boron nitride nanoarchitectures via a metal ion-assisted annealing method. <i>Journal of Alloys and Compounds</i> , 2017, 705, 749-755.	5.5	13
134	Energy Transfer Enables 1.53 μ m Photoluminescence from Erbium-Doped TiO ₂ Semiconductor Nanocrystals Synthesized by Ar/O ₂ Radio-Frequency Thermal Plasma. <i>Journal of the American Ceramic Society</i> , 2008, 91, 2032-2035.	3.8	12
135	Enhanced organic dye removal of porous BN fibers supported Ta ₃ N ₅ nanoparticles under visible light irradiation. <i>Surfaces and Interfaces</i> , 2016, 5, 39-46.	3.0	12
136	Computational investigation on MB n (M = Li-Cs, Be-Ba, Sc-La and Ti; n = 28 and 38). <i>Journal of Molecular Modeling</i> , 2016, 22, 184.	1.8	12
137	The two-dimensional boron nitride hierarchical nanostructures: Controllable synthesis and superhydrophobicity. <i>Materials Chemistry and Physics</i> , 2020, 240, 122145.	4.0	12
138	Enhanced Adsorption of Polysulfides on Carbon Nanotubes/Boron Nitride Fibers for High-Performance Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2020, 26, 17567-17573.	3.3	12
139	Photoelectric and magnetic properties of boron nitride nanosheets with turbostratic structure and oxygen doping. <i>2D Materials</i> , 2022, 9, 015014.	4.4	12
140	Synthesis of nanoporous spheres of cubic gallium oxynitride and their lithium ion intercalation properties. <i>Nanotechnology</i> , 2010, 21, 115705.	2.6	11
141	Thin-walled B-C-N ternary microtubes: from synthesis to electrical, cathodoluminescence and field-emission properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 8134.	6.7	11
142	Spectral modulation of BCNO phosphors by Al ³⁺ and Ti ⁴⁺ doping for white LEDs. <i>Journal of Luminescence</i> , 2016, 176, 283-291.	3.1	11
143	Ambient Carbon Dioxide Capture Using Boron-Rich Porous Boron Nitride: A Theoretical Study. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15399-15407.	8.0	11
144	Synthesis and hydrogen absorption of high-specific-surface ultrafine theta-Al ₂ O ₃ nanowires. <i>Journal of Crystal Growth</i> , 2013, 382, 52-55.	1.5	10

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145	Orientation Effect of Clay Platelets in Transfer Molded Polymer Nanocomposites. <i>Polymer-Plastics Technology and Engineering</i> , 2013, 52, 964-973.	1.9	10
146	NaOH-embedded three-dimensional porous boron nitride for efficient formaldehyde removal. <i>Nanotechnology</i> , 2015, 26, 475704.	2.6	10
147	Improved capture of carbon dioxide and methane via adding micropores within porous boron nitride fibers. <i>Journal of Materials Science</i> , 2019, 54, 10168-10178.	3.7	10
148	Boron nitride nanosheets wrapped by reduced graphene oxide for promoting polysulfides adsorption in lithium-sulfur batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 527-537.	9.4	10
149	Formation of p-BN@Zn/Co-ZIF Hybrid materials for improved photocatalytic CO ₂ reduction by H ₂ O. <i>Materials Research Bulletin</i> , 2022, 152, 111867.	5.2	10
150	Three-dimensional carbon boron nitrides with a broken, hollow, spherical shell for water treatment. <i>RSC Advances</i> , 2016, 6, 78252-78256.	3.6	9
151	Mercury Adsorption on Thiol-Modified Porous Boron Nitride: A Combined Experimental and Theoretical Investigation. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 12984-12998.	3.7	9
152	Effects of annealing temperature and ambient atmosphere on the structure and photoluminescence of BCNO phosphors. <i>Journal of Luminescence</i> , 2013, 143, 343-348.	3.1	8
153	Effects of h-BN on the thermal and mechanical properties of PBT/PC/ABS blend based composites. <i>RSC Advances</i> , 2015, 5, 58171-58175.	3.6	8
154	Scandium carbides/cyanides in the boron cage: computational prediction of X@B ₈₀ (X = Tj ETQqO O 0 rgBT /Overlock 10 T	2.8	8
155	Synthesis of boron nitride nanotubes using an oxygen and carbon dual-free precursor. <i>RSC Advances</i> , 2018, 8, 3989-3995.	3.6	8
156	Rapid synthesis and characterization of long afterglow BCNO phosphors by self-propagating combustion method. <i>Optical Materials</i> , 2018, 85, 451-455.	3.6	8
157	Porous boron nitride/rare earth complex hybrids with multicolor tunable photoluminescence. <i>Journal of Alloys and Compounds</i> , 2018, 768, 15-21.	5.5	8
158	Enhanced Li ⁺ storage through highly hybridized networks of self-assembled SnS ₂ /rGO aerogels. <i>Journal of Alloys and Compounds</i> , 2020, 828, 154192.	5.5	8
159	Eco-green C, O co-doped porous BN adsorbent for aqueous solution with superior adsorption efficiency and selectivity. <i>Chemosphere</i> , 2022, 288, 132520.	8.2	8
160	Porous boron nitride nanofibers as effective nanofillers for poly(vinyl alcohol) composite hydrogels with excellent self-healing performances. <i>Soft Matter</i> , 2022, 18, 859-866.	2.7	8
161	Densification and pelletization of porous boron nitride fibers for effective CO ₂ adsorption. <i>Ceramics International</i> , 2022, , .	4.8	8
162	Synthesis of Nanostructured Boron Nitride Aerogels by Rapid Pyrolysis of Melamine Diborate Aerogels via Induction Heating: From Composition Adjustment to Property Studies. <i>ACS Applied Nano Materials</i> , 2021, 4, 13788-13797.	5.0	8

#	ARTICLE	IF	CITATIONS
163	Electrospun CF-PHA Nanocomposites: Effect of Surface Modifications of Carbon Fibers. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2014, 63, 262-267.	3.4	7
164	Boron Nitride Quasi-Nanoscale Fibers: Controlled Synthesis and Improvement on Thermal Properties of PHA Polymer. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2014, 63, 794-799.	3.4	7
165	Preparation and application of black hollow carbon-doped titania composite spheres for electrophoretic displays. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 6115-6121.	2.2	7
166	Cobalt Supported on BN Catalyst with High δ Defects and Its Efficient Hydrodeoxygenation Performance of HMF to DMF**. <i>ChemistrySelect</i> , 2022, 7, .	1.5	7
167	Highly Efficient and Selective Carbon-Doped BN Photocatalyst Derived from a Homogeneous Precursor Reconfiguration. <i>Catalysts</i> , 2022, 12, 555.	3.5	7
168	Synthesis of uniform BN-coated aluminum borate nanowhiskers and their applications in reinforced magnesium matrix composites. <i>Materials Chemistry and Physics</i> , 2012, 132, 347-353.	4.0	6
169	Controllable synthesis of uniformly distributed hollow rutile TiO ₂ hierarchical microspheres and their improved photocatalysis. <i>Materials Chemistry and Physics</i> , 2013, 143, 446-454.	4.0	6
170	Low-temperature collapsing boron nitride nanospheres into nanoflakes and their photoluminescence properties. <i>Materials Research Express</i> , 2014, 1, 035035.	1.6	6
171	Effects of methane annealing ambience on the structure and photoluminescence of BCNO phosphors. <i>Journal of Luminescence</i> , 2014, 149, 231-235.	3.1	6
172	Self-sacrificed template synthesis of ribbon-like hexagonal boron nitride nano-architectures and their improvement on mechanical and thermal properties of PHA polymer. <i>Scientific Reports</i> , 2017, 7, 9006.	3.3	6
173	Dye encapsulated in porous boron nitride microfibers: A non-rare-earth red-emitting phosphor with high efficiency. <i>Ceramics International</i> , 2017, 43, 2107-2112.	4.8	6
174	Ultralight and Highly Resilient Boron Nitride Nanosheet/Polyimide Foams for Energy Harvesting and Sensing. <i>ACS Applied Polymer Materials</i> , 2022, 4, 3236-3246.	4.4	6
175	Uniform embedding of ultrafine sulfur into well-honeycombed porous graphene frameworks for highly stable Li- S batteries. <i>Materials Letters</i> , 2020, 276, 128243.	2.6	5
176	Highly Selective Hydrogenation of Phenol Catalyzed by Porous BN Supported Ni ²⁺ /Pd Catalysts. <i>ChemistrySelect</i> , 2021, 6, 5975-5982.	1.5	5
177	Detecting Redox Potentials Using Porous Boron Nitride/ATP-DNA Aptamer/Methylene Blue Biosensor to Monitor Microbial Activities. <i>Micromachines</i> , 2022, 13, 83.	2.9	5
178	Solvothermal synthesis of perovskite CsPbCl ₃ nanoplates and improved photoluminescence performance through postsynthetic treatment. <i>Optical Materials</i> , 2022, 127, 112257.	3.6	5
179	Preparation and properties of zirconia nanotube-supported zirconium sulfate catalyst. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2011, 104, 227-234.	1.7	4
180	Preparation and formation mechanism of microporous spheric zinc phosphate. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 1861-1865.	2.5	4

#	ARTICLE	IF	CITATIONS
181	Catalytic Activity of ZrO ₂ Nanotube Arrays Prepared by Anodization Method. Journal of Nanomaterials, 2012, 2012, 1-5.	2.7	4
182	Morphology controlled synthesis zinc oxide and reinforcement in polyhydroxyalkanoates composites. Polymer Composites, 2014, 35, 1701-1706.	4.6	4
183	High yield synthesis and optical properties of MgF ₂ nanowires with high aspect ratios. RSC Advances, 2016, 6, 29818-29822.	3.6	4
184	Processing and Characterizations of Nanofiller-Modulated poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Composites. Polymer-Plastics Technology and Engineering, 2016, 55, 663-671.	1.9	4
185	Cavitating inside spherical boron nitride nanoparticles dependent on controllably follow-up treated atmospheres. Journal of Nanoparticle Research, 2020, 22, 1.	1.9	4
186	Brij-58 template synthesis of self-assembled thermostable lamellar crystalline zirconia via a reflux-hydrothermal hybrid method. RSC Advances, 2015, 5, 36467-36471.	3.6	3
187	Electronic and optical properties of O-doped porous boron nitride: A first principle study. Journal of Solid State Chemistry, 2021, 299, 122139.	2.9	3
188	Enhanced adsorption of fluoroquinolone antibiotics on Cu-modified porous boron nitride nanofibers in aqueous solution. Journal of Molecular Structure, 2022, 1255, 132475.	3.6	3
189	CuZnSn(S _x Se _{1-x}) ₄ Solar Cell Prepared by the Sol-Gel Method Following a Modified Three-Step Selenization Process. Crystals, 2019, 9, 474.	2.2	2
190	Metal-Free Boron-Rich Borocarbonitride Catalysts for High-Efficient Oxygen Reduction to Produce Hydrogen Peroxide. ChemistrySelect, 2022, 7, .	1.5	2
191	Quantum dot photoelectrochemical solar cells based on TiO ₂ -SrTiO ₃ heterostructure nanotube array scaffolds. Frontiers of Optoelectronics in China, 2011, 4, 93-102.	0.2	1
192	Controlled synthesis of boron nitride (BN) coating on Al ₄ B ₂ O ₉ nanowhiskers. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	1
193	Electronic properties and surface reactive sites of carbon and oxygen doped porous boron nitride: A DFT study. Diamond and Related Materials, 2022, 121, 108802.	3.9	1
194	Hexagonal boron nitride hollow capsules with collapsed surfaces: Chemical vapor deposition with single-source precursor ammonium fluoroborate*. Chinese Physics B, 2016, 25, 078107.	1.4	0
195	Synthesis and photoluminescence of amorphous AlBCO phosphors. Materials Research Express, 2017, 4, 105202.	1.6	0