

# Yanming Xue

## List of Publications by Year in descending order

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67  
papers

3,305  
citations

185998

28  
h-index

143772

57  
g-index

67  
all docs

67  
docs citations

67  
times ranked

5130  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterostructured Electrocatalysts for Hydrogen Evolution Reaction Under Alkaline Conditions. Nano-Micro Letters, 2018, 10, 75.	14.4	412
2	Engineering sulfur vacancies and impurities in NiCo <sub>2</sub> S <sub>4</sub> nanostructures toward optimal supercapacitive performance. Nano Energy, 2016, 26, 313-323.	8.2	345
3	Porous boron nitride with a high surface area: hydrogen storage and water treatment. Nanotechnology, 2013, 24, 155603.	1.3	203
4	Activated boron nitride as an effective adsorbent for metal ions and organic pollutants. Scientific Reports, 2013, 3, 3208.	1.6	203
5	Nano-micro-porous skutterudites with 100% enhancement in ZT for high performance thermoelectricity. Nano Energy, 2017, 31, 152-159.	8.2	201
6	In situ electrochemical formation of core-shell nickel-iron disulfide and oxyhydroxide heterostructured catalysts for a stable oxygen evolution reaction and the associated mechanisms. Journal of Materials Chemistry A, 2017, 5, 4335-4342.	5.2	166
7	Protrusions or holes in graphene: which is the better choice for sodium ion storage?. Energy and Environmental Science, 2017, 10, 979-986.	15.6	164
8	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.	5.2	133
9	Improved Li <sup>+</sup> Storage through Homogeneous N-Doping within Highly Branched Tubular Graphitic Foam. Advanced Materials, 2017, 29, 1603692.	11.1	113
10	Multifunctional Superelastic Foam-Like Boron Nitride Nanotubular Cellular-Network Architectures. ACS Nano, 2017, 11, 558-568.	7.3	110
11	Design of BN porous sheets with richly exposed (002) plane edges and their application as TiO <sub>2</sub> visible light sensitizer. Nano Energy, 2015, 16, 19-27.	8.2	99
12	Densely Interconnected Porous BN Frameworks for Multifunctional and Isotropically Thermoconductive Polymer Composites. Advanced Functional Materials, 2018, 28, 1801205.	7.8	76
13	Aluminum matrix composites reinforced with multi-walled boron nitride nanotubes fabricated by a high-pressure torsion technique. Materials and Design, 2015, 88, 451-460.	3.3	67
14	Scalable exfoliation and gradable separation of boric-acid-functionalized boron nitride nanosheets. 2D Materials, 2019, 6, 035014.	2.0	62
15	Effective capture and reversible storage of iodine using foam-like adsorbents consisting of porous boron nitride microfibers. Chemical Engineering Journal, 2020, 382, 122833.	6.6	60
16	Pollutant capturing SERS substrate: porous boron nitride microfibers with uniform silver nanoparticle decoration. Nanoscale, 2015, 7, 18992-18997.	2.8	56
17	Highly Multifunctional and Thermoconductive Performances of Densely Filled Boron Nitride Nanosheets/Epoxy Resin Bulk Composites. ACS Applied Materials & Interfaces, 2021, 13, 2853-2867.	4.0	46
18	Sulfur vacancy-tailored NiCo <sub>2</sub> S <sub>4</sub> nanosheet arrays for the hydrogen evolution reaction at all pH values. Catalysis Science and Technology, 2020, 10, 1056-1065.	2.1	42

#	ARTICLE	IF	CITATIONS
19	Boron nitride nanotubes as vehicles for intracellular delivery of fluorescent drugs and probes. <i>Nanomedicine</i> , 2016, 11, 447-463.	1.7	41
20	Paper-Derived Flexible 3D Interconnected Carbon Microfiber Networks with Controllable Pore Sizes for Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 37046-37056.	4.0	38
21	Porous boron nitride nanofibers/PVA hydrogels with improved mechanical property and thermal stability. <i>Ceramics International</i> , 2018, 44, 22439-22444.	2.3	38
22	Self-supported CoFe LDH/Co <sub>0.85</sub> Se nanosheet arrays as efficient electrocatalysts for the oxygen evolution reaction. <i>Catalysis Science and Technology</i> , 2019, 9, 5736-5744.	2.1	37
23	A novel TiO <sub>2</sub> /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.	1.6	36
24	Single-crystalline spherical $\beta$ -Ga <sub>2</sub> O <sub>3</sub> particles: Synthesis, N-doping and photoluminescence properties. <i>Journal of Luminescence</i> , 2013, 140, 30-37.	1.5	34
25	Defect-rich (Co, Fe) <sub>3</sub> O <sub>4</sub> hierarchical nanosheet arrays for efficient oxygen evolution reaction. <i>Applied Surface Science</i> , 2020, 529, 147125.	3.1	34
26	Pore structure regulation and carbon dioxide adsorption capacity improvement on porous BN fibers: Effects of high-temperature treatments in gaseous ambient. <i>Chemical Engineering Journal</i> , 2019, 373, 616-623.	6.6	33
27	Large-scale synthesis of hexagonal boron nitride nanosheets and their improvement in thermal properties of epoxy composites. <i>Polymer Composites</i> , 2014, 35, 1707-1715.	2.3	31
28	Porous boron nitride coupled with CdS for adsorption-photocatalytic synergistic removal of RhB. <i>RSC Advances</i> , 2016, 6, 99165-99171.	1.7	31
29	Ultrathin carbon coated CoO nanosheet arrays as efficient electrocatalysts for the hydrogen evolution reaction. <i>Catalysis Science and Technology</i> , 2019, 9, 6957-6964.	2.1	24
30	Accelerating CO <sub>2</sub> transport through nanoconfined magnetic ionic liquid in laminated BN membrane. <i>Chemical Engineering Journal</i> , 2021, 423, 130309.	6.6	24
31	N,N-Dimethyl formamide facilitated formation of hexagonal boron nitride from boric acid. <i>Solid State Sciences</i> , 2013, 24, 1-5.	1.5	22
32	Hybrid nanonet/nanoflake NiCo <sub>2</sub> O <sub>4</sub> electrodes with an ultrahigh surface area for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 3143-3152.	1.2	21
33	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.	1.6	21
34	Synthesis of Perovskite CsPbBr <sub>3</sub> 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.	1.9	21
35	Hierarchically porous boron nitride foams for multifunctional bulk adsorbents. <i>Chemical Engineering Journal</i> , 2021, 422, 129896.	6.6	21
36	Engineering O Species in Boron Nitrous Nanotubes Increases Olefins for Propane Oxidative Dehydrogenation. <i>Journal of the American Chemical Society</i> , 2022, 144, 5930-5936.	6.6	21

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37	Preparation optimization and spectral properties of BCNO phosphors with high quantum efficiency. <i>Journal of Luminescence</i> , 2014, 153, 338-342.	1.5	16
38	Boron nitride nanotube-based amphiphilic hybrid nanomaterials for superior encapsulation of hydrophobic cargos. <i>Materials Today Chemistry</i> , 2017, 6, 45-50.	1.7	14
39	Interfacial modification of Co(OH) <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> nanosheet heterostructure arrays for the efficient oxygen evolution reaction. <i>Catalysis Science and Technology</i> , 2021, 11, 3706-3714.	2.1	14
40	Synthesis and photoluminescence characteristics of (Sr, Ca) <sub>3</sub> B <sub>2</sub> O <sub>6</sub> :Eu for application in white light-emitting diodes. <i>Journal of Luminescence</i> , 2011, 131, 2016-2020.	1.5	13
41	Acid-assisted hydrothermal synthesis and adsorption properties of high-specific-surface metal-organic frameworks. <i>Materials Letters</i> , 2014, 132, 90-93.	1.3	13
42	Role of structural defects in the ultraviolet luminescence of multiwall boron nitride nanotubes. <i>Journal of Applied Physics</i> , 2015, 118, 234307.	1.1	12
43	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.	1.7	12
44	Photoelectric and magnetic properties of boron nitride nanosheets with turbostratic structure and oxygen doping. <i>2D Materials</i> , 2022, 9, 015014.	2.0	12
45	Synthesis and hydrogen absorption of high-specific-surface ultrafine theta-Al <sub>2</sub> O <sub>3</sub> nanowires. <i>Journal of Crystal Growth</i> , 2013, 382, 52-55.	0.7	10
46	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.	1.7	10
47	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.	5.0	10
48	Enhanced Li <sup>+</sup> storage through highly hybridized networks of self-assembled SnS <sub>2</sub> /rGO aerogels. <i>Journal of Alloys and Compounds</i> , 2020, 828, 154192.	2.8	8
49	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.	2.4	8
50	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.	1.8	7
51	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.	1.8	7
52	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.	2.0	6
53	Controllable synthesis of uniformly distributed hollow rutile TiO <sub>2</sub> hierarchical microspheres and their improved photocatalysis. <i>Materials Chemistry and Physics</i> , 2013, 143, 446-454.	2.0	6
54	Low-temperature collapsing boron nitride nanospheres into nanoflakes and their photoluminescence properties. <i>Materials Research Express</i> , 2014, 1, 035035.	0.8	6

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55	Nanoparticle-based screen printing of copper zinc tin sulfide thin film as photocathode for quantum dot sensitized solar cell. <i>Materials Letters</i> , 2015, 158, 198-201.	1.3	6
56	Ultralight and Highly Resilient Boron Nitride Nanosheet/Polyimide Foams for Energy Harvesting and Sensing. <i>ACS Applied Polymer Materials</i> , 2022, 4, 3236-3246.	2.0	6
57	Uniform embedding of ultrafine sulfur into well-honeycombed porous graphene frameworks for highly stable Li-S batteries. <i>Materials Letters</i> , 2020, 276, 128243.	1.3	5
58	Morphology controlled synthesis zinc oxide and reinforcement in polyhydroxyalkanoates composites. <i>Polymer Composites</i> , 2014, 35, 1701-1706.	2.3	4
59	Processing and Characterizations of Nanofiller-Modulated poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2016, 55, 663-671.	1.9	4
60	Cavitating inside spherical boron nitride nanoparticles dependent on controllably follow-up treated atmospheres. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	0.8	4
61	Tunable Mechanical and Electrical Properties of Coaxial BN-C Nanotubes. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1800576.	1.2	3
62	Metal-Free Boron-Rich Borocarbonitride Catalysts for High-Efficient Oxygen Reduction to Produce Hydrogen Peroxide. <i>ChemistrySelect</i> , 2022, 7, .	0.7	2
63	Controlled synthesis of boron nitride (BN) coating on Al <sub>4</sub> B <sub>2</sub> O <sub>9</sub> nanowhiskers. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	1
64	Hexagonal boron nitride hollow capsules with collapsed surfaces: Chemical vapor deposition with single-source precursor ammonium fluoroborate*. <i>Chinese Physics B</i> , 2016, 25, 078107.	0.7	0
65	Kinking effects and transport properties of coaxial BN-C nanotubes as revealed by in situ transmission electron microscopy and theoretical analysis. <i>APL Materials</i> , 2019, 7, 101118.	2.2	0
66	Anodic TiO <sub>2</sub> Nanotube Arrays as Fixed Photocatalyst. <i>Journal of Environmental Science and Technology</i> , 2016, 9, 220-225.	0.3	0
67	Probing interfacial interactions and dynamics of polymers enclosed in boron nitride nanotubes. <i>Journal of Polymer Science</i> , 2022, 60, 233-243.	2.0	0