Chenyang Xing

List of Publications by Year
in descending order

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47 papers	5,070 citations	126907 33 h-index	206112 48 g-index
50 all docs	50 docs citations	50 times ranked	6123 citing authors

#	Article	IF	Citations
1	Novel concept of the smart NIR-lightâ€“controlled drug release of black phosphorus nanostructure for cancer therapy. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 501-506.	7.1	657
2	Ultrathin 2D Nonlayered Tellurium Nanosheets: Facile Liquidâ€Phase Exfoliation, Characterization, and Photoresponse with High Performance and Enhanced Stability. Advanced Functional Materials, 2018, 28, 1705833.	14.9	348
3	Two-Dimensional MXene (Ti₃C₂)-Integrated Cellulose Hydrogels: Toward Smart Three-Dimensional Network Nanoplatforms Exhibiting Light-Induced Swelling and Bimodal Photothermal/Chemotherapy Anticancer Activity. ACS Applied Materials & Interfaces, 2018, 10, 27631-27643.	8.0	346
4	Photothermal cancer immunotherapy by erythrocyte membrane-coated black phosphorus formulation. Journal of Controlled Release, 2019, 296, 150-161.	9.9	303
5	Ultrasmall Bismuth Quantum Dots: Facile Liquid-Phase Exfoliation, Characterization, and Application in High-Performance UVâ€“Vis Photodetector. ACS Photonics, 2018, 5, 621-629.	6.6	230
6	Graphene oxide/black phosphorus nanoflake aerogels with robust thermo-stability and significantly enhanced photothermal properties in air. Nanoscale, 2017, 9, 8096-8101.	5.6	207
7	The Rise of 2D Photothermal Materials beyond Graphene for Clean Water Production. Advanced Science, 2020, 7, 1902236.	11.2	206
8	Conceptually Novel Black Phosphorus/Cellulose Hydrogels as Promising Photothermal Agents for Effective Cancer Therapy. Advanced Healthcare Materials, 2018, 7, e1701510.	7.6	188
9	Ionic liquid modified poly(vinylidene fluoride): crystalline structures, miscibility, and physical properties. Polymer Chemistry, 2013, 4, 5726.	3.9	181
10	Impact of Ionic Liquid-Modified Multiwalled Carbon Nanotubes on the Crystallization Behavior of Poly(vinylidene fluoride). Journal of Physical Chemistry B, 2012, 116, 8312-8320.	2.6	170
11	Facile fabrication and characterization of two-dimensional bismuth(<scp>iii</scp>) sulfide nanosheets for high-performance photodetector applications under ambient conditions. Nanoscale, 2018, 10, 2404-2412.	5.6	166
12	2D Nonlayered Selenium Nanosheets: Facile Synthesis, Photoluminescence, and Ultrafast Photonics. Advanced Optical Materials, 2017, 5, 1700884.	7.3	162
13	High-Performance Humidity Sensor Based on Urchin-Like Composite of Ti₃C₂ MXene-Derived TiO₂ Nanowires. ACS Applied Materials & Interfaces, 2019, 11, 38116-38125.	8.0	156
14	Black phosphorus analogue tin sulfide nanosheets: synthesis and application as near-infrared photothermal agents and drug delivery platforms for cancer therapy. Journal of Materials Chemistry B, 2018, 6, 4747-4755.	5.8	137
15	Solarâ€Inspired Water Purification Based on Emerging 2D Materials: Status and Challenges. Solar Rrl, 2020, 4, 1900400.	5.8	133
16	Eradication of tumor growth by delivering novel photothermal selenium-coated tellurium nanoheterojunctions. Science Advances, 2020, 6, eaay6825.	10.3	126
17	Ultrathin GeSe Nanosheets: From Systematic Synthesis to Studies of Carrier Dynamics and Applications for a High-Performance UVâ€“Vis Photodetector. ACS Applied Materials & Interfaces, 2019, 11, 4278-4287.	8.0	105
18	Two-dimensional telluriumâ€“polymer membrane for ultrafast photonics. Nanoscale, 2019, 11, 6235-6242.	5.6	104

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19	Effect of a Room-Temperature Ionic Liquid on the Structure and Properties of Electrospun Poly(vinylidene fluoride) Nanofibers. ACS Applied Materials & Interfaces, 2014, 6, 4447-4457.	8.0	103
20	Two-Dimensional Borophene: Properties, Fabrication, and Promising Applications. Research, 2020, 2020, 2624617.	5.7	93
21	Miscibility and Double Glass Transition Temperature Depression of Poly(<scp>l</scp>-lactic acid) (PLLA)/Poly(oxymethylene) (POM) Blends. Macromolecules, 2013, 46, 5806-5814.	4.8	92
22	2D GeP as a Novel Broadband Nonlinear Optical Material for Ultrafast Photonics. Laser and Photonics Reviews, 2019, 13, 1900123.	8.7	76
23	Poly (vinylidene fluoride) dielectric composites with both ionic nanoclusters and well dispersed graphene oxide. Composites Science and Technology, 2017, 138, 98-105.	7.8	70
24	A fully inkjet-printed transparent humidity sensor based on a Ti₃C₂/Ag hybrid for touchless sensing of finger motion. Nanoscale, 2019, 11, 21522-21531.	5.6	68
25	Self-healing of the superhydrophobicity by ironing for the abrasion durable superhydrophobic cotton fabrics. Scientific Reports, 2013, 3, 2951.	3.3	58
26	Mechanical and thermal properties of eco-friendly poly(propylene carbonate)/cellulose acetate butyrate blends. Carbohydrate Polymers, 2013, 92, 1921-1927.	10.2	56
27	pH-Responsive Dual Drug-Loaded Nanocarriers Based on Poly (2-Ethyl-2-Oxazoline) Modified Black Phosphorus Nanosheets for Cancer Chemo/Photothermal Therapy. Frontiers in Pharmacology, 2019, 10, 270.	3.5	50
28	Two-Dimensional Lead Monoxide: Facile Liquid Phase Exfoliation, Excellent Photoresponse Performance, and Theoretical Investigation. ACS Photonics, 2018, 5, 5055-5067.	6.6	47
29	Engineering Lateral Heterojunction of Seleniumâ€Coated Tellurium Nanomaterials toward Highly Efficient Solar Desalination. Advanced Science, 2019, 6, 1900531.	11.2	40
30	Nanostructured Poly(vinylidene fluoride)/Ionic Liquid Composites: Formation of Organic Conductive Nanodomains in Polymer Matrix. Journal of Physical Chemistry C, 2015, 119, 21155-21164.	3.1	36
31	Poly(vinylidene fluoride) Nanocomposites with Simultaneous Organic Nanodomains and Inorganic Nanoparticles. Macromolecules, 2016, 49, 1026-1035.	4.8	36
32	Towards Flexible Dielectric Materials with High Dielectric Constant and Low Loss: PVDF Nanocomposites with both Homogenously Dispersed CNTs and Ionic Liquids Nanodomains. Polymers, 2017, 9, 562.	4.5	34
33	Progress in the therapeutic applications of polymer-decorated black phosphorus and black phosphorus analog nanomaterials in biomedicine. Journal of Materials Chemistry B, 2020, 8, 7076-7120.	5.8	34
34	Two-dimensional pnictogens, their chemistry and applications. FlatChem, 2019, 13, 8-24.	5.6	33
35	Immobilization of Ionic Liquids onto the Poly(vinylidene fluoride) by Electron Beam Irradiation. Industrial & Engineering Chemistry Research, 2015, 54, 9351-9359.	3.7	32
36	Emerging 2D pnictogens for catalytic applications: status and challenges. Journal of Materials Chemistry A, 2020, 8, 12887-12927.	10.3	32

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37	Toward an Optically Transparent, Antielectrostatic, and Robust Polymer Composite: Morphology and Properties of Polycarbonate/Ionic Liquid Composites. Industrial & Engineering Chemistry Research, 2014, 53, 4304-4311.	3.7	29
38	Novel multifunctional nanofibers based on thermoplastic polyurethane and ionic liquid: towards antibacterial, anti-electrostatic and hydrophilic nonwovens by electrospinning. Nanotechnology, 2015, 26, 105704.	2.6	28
39	Microâ€/Nanoâ€Structures on Biodegradable Magnesium@PLGA and Their Cytotoxicity, Photothermal, and Antiâ€Tumor Effects. Small Methods, 2021, 5, e2000920.	8.6	21
40	Local Grafting of Ionic Liquid in Poly(vinylidene fluoride) Amorphous Region and the Subsequent Microphase Separation Behavior in Melt. Macromolecular Rapid Communications, 2016, 37, 1559-1565.	3.9	12
41	Engineering Monoâ€Chalcogen Nanomaterials for Omnipotent Anticancer Applications: Progress and Challenges. Advanced Healthcare Materials, 2020, 9, 2000273.	7.6	11
42	A nano-lateral heterojunction of selenium-coated tellurium for infrared-band soliton fiber lasers. Nanoscale, 2020, 12, 15252-15260.	5.6	11
43	Semicrystalline Polymer Binary-Phase Structure Templated Quasi-Block Graft Copolymers. Journal of Physical Chemistry B, 2017, 121, 7508-7518.	2.6	9
44	A Textile Proximity/Pressure Dual-Mode Sensor Based on Magneto-Straining and Piezoresistive Effects. IEEE Sensors Journal, 2022, 22, 10420-10427.	4.7	9
45	Novel flexible MWCNTs@MoO2-C nanocable composites with excellent electrochemical performance for lithium ion battery anodes. Materials Research Express, 2015, 2, 095502.	1.6	3
46	Nonlayered 2D Materials: Ultrathin 2D Nonlayered Tellurium Nanosheets: Facile Liquid-Phase Exfoliation, Characterization, and Photoresponse with High Performance and Enhanced Stability (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 T	14.9	3
47	Leaf-like Self-assembled MXene/ZnOEP Hybrid Network for Highly-Sensitive Temperature Sensing in Electronic Skin. , 2021, , .		0