

Chenyang Xing

List of Publications by Year in descending order

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Version: 2024-02-01

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	A Textile Proximity/Pressure Dual-Mode Sensor Based on Magneto-Straining and Piezoresistive Effects. <i>IEEE Sensors Journal</i> , 2022, 22, 10420-10427.	4.7	9
2	Micro-/Nano-Structures on Biodegradable Magnesium@PLGA and Their Cytotoxicity, Photothermal, and Anti-Tumor Effects. <i>Small Methods</i> , 2021, 5, e2000920.	8.6	21
3	Leaf-like Self-assembled MXene/ZnOEP Hybrid Network for Highly-Sensitive Temperature Sensing in Electronic Skin. , 2021, , .		0
4	Solar-Inspired Water Purification Based on Emerging 2D Materials: Status and Challenges. <i>Solar Rrl</i> , 2020, 4, 1900400.	5.8	133
5	Engineering Mono-Chalcogen Nanomaterials for Omnipotent Anticancer Applications: Progress and Challenges. <i>Advanced Healthcare Materials</i> , 2020, 9, 2000273.	7.6	11
6	Progress in the therapeutic applications of polymer-decorated black phosphorus and black phosphorus analog nanomaterials in biomedicine. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7076-7120.	5.8	34
7	Emerging 2D pnictogens for catalytic applications: status and challenges. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12887-12927.	10.3	32
8	A nano-lateral heterojunction of selenium-coated tellurium for infrared-band soliton fiber lasers. <i>Nanoscale</i> , 2020, 12, 15252-15260.	5.6	11
9	The Rise of 2D Photothermal Materials beyond Graphene for Clean Water Production. <i>Advanced Science</i> , 2020, 7, 1902236.	11.2	206
10	Eradication of tumor growth by delivering novel photothermal selenium-coated tellurium nanoheterojunctions. <i>Science Advances</i> , 2020, 6, eaay6825.	10.3	126
11	Two-Dimensional Borophene: Properties, Fabrication, and Promising Applications. <i>Research</i> , 2020, 2020, 2624617.	5.7	93
12	2D GeP as a Novel Broadband Nonlinear Optical Material for Ultrafast Photonics. <i>Laser and Photonics Reviews</i> , 2019, 13, 1900123.	8.7	76
13	Engineering Lateral Heterojunction of Selenium-Coated Tellurium Nanomaterials toward Highly Efficient Solar Desalination. <i>Advanced Science</i> , 2019, 6, 1900531.	11.2	40
14	High-Performance Humidity Sensor Based on Urchin-Like Composite of Ti ₃ C ₂ MXene-Derived TiO ₂ Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38116-38125.	8.0	156
15	Photothermal cancer immunotherapy by erythrocyte membrane-coated black phosphorus formulation. <i>Journal of Controlled Release</i> , 2019, 296, 150-161.	9.9	303
16	Two-dimensional tellurium-polymer membrane for ultrafast photonics. <i>Nanoscale</i> , 2019, 11, 6235-6242.	5.6	104
17	pH-Responsive Dual Drug-Loaded Nanocarriers Based on Poly (2-Ethyl-2-Oxazoline) Modified Black Phosphorus Nanosheets for Cancer Chemo/Photothermal Therapy. <i>Frontiers in Pharmacology</i> , 2019, 10, 270.	3.5	50
18	A fully inkjet-printed transparent humidity sensor based on a Ti ₃ C ₂ /Ag hybrid for touchless sensing of finger motion. <i>Nanoscale</i> , 2019, 11, 21522-21531.	5.6	68

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19	Ultrathin GeSe Nanosheets: From Systematic Synthesis to Studies of Carrier Dynamics and Applications for a High-Performance UV-Vis Photodetector. ACS Applied Materials & Interfaces, 2019, 11, 4278-4287.	8.0	105
20	Two-dimensional pnictogens, their chemistry and applications. FlatChem, 2019, 13, 8-24.	5.6	33
21	Conceptually Novel Black Phosphorus/Cellulose Hydrogels as Promising Photothermal Agents for Effective Cancer Therapy. Advanced Healthcare Materials, 2018, 7, e1701510.	7.6	188
22	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 4gBT /Overlock 10 T		
23	Ultrathin 2D Nonlayered Tellurium Nanosheets: Facile Liquid-Phase Exfoliation, Characterization, and Photoresponse with High Performance and Enhanced Stability. Advanced Functional Materials, 2018, 28, 1705833.	14.9	348
24	Facile fabrication and characterization of two-dimensional bismuth(Bi) sulfide nanosheets for high-performance photodetector applications under ambient conditions. Nanoscale, 2018, 10, 2404-2412.	5.6	166
25	Novel concept of the smart NIR-light-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
26	Ultrasmall Bismuth Quantum Dots: Facile Liquid-Phase Exfoliation, Characterization, and Application in High-Performance UV-Vis Photodetector. ACS Photonics, 2018, 5, 621-629.	6.6	230
27	Two-Dimensional Lead Monoxide: Facile Liquid Phase Exfoliation, Excellent Photoresponse Performance, and Theoretical Investigation. ACS Photonics, 2018, 5, 5055-5067.	6.6	47
28	Two-Dimensional MXene (Ti_3C_2)-Integrated Cellulose Hydrogels: Toward Smart Three-Dimensional Network Nanoplatfoms Exhibiting Light-Induced Swelling and Bimodal Photothermal/Chemotherapy Anticancer Activity. ACS Applied Materials & Interfaces, 2018, 10, 27631-27643.	8.0	346
29	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
30	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
31	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
32	Semicrystalline Polymer Binary-Phase Structure Templated Quasi-Block Graft Copolymers. Journal of Physical Chemistry B, 2017, 121, 7508-7518.	2.6	9
33	2D Nonlayered Selenium Nanosheets: Facile Synthesis, Photoluminescence, and Ultrafast Photonics. Advanced Optical Materials, 2017, 5, 1700884.	7.3	162
34	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
35	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
36	Poly(vinylidene fluoride) Nanocomposites with Simultaneous Organic Nanodomains and Inorganic Nanoparticles. Macromolecules, 2016, 49, 1026-1035.	4.8	36

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37	Novel flexible MWCNTs@MoO ₂ -C nanocable composites with excellent electrochemical performance for lithium ion battery anodes. <i>Materials Research Express</i> , 2015, 2, 095502.	1.6	3
38	Immobilization of Ionic Liquids onto the Poly(vinylidene fluoride) by Electron Beam Irradiation. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 9351-9359.	3.7	32
39	Novel multifunctional nanofibers based on thermoplastic polyurethane and ionic liquid: towards antibacterial, anti-electrostatic and hydrophilic nonwovens by electrospinning. <i>Nanotechnology</i> , 2015, 26, 105704.	2.6	28
40	Nanostructured Poly(vinylidene fluoride)/Ionic Liquid Composites: Formation of Organic Conductive Nanodomains in Polymer Matrix. <i>Journal of Physical Chemistry C</i> , 2015, 119, 21155-21164.	3.1	36
41	Effect of a Room-Temperature Ionic Liquid on the Structure and Properties of Electrospun Poly(vinylidene fluoride) Nanofibers. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 4447-4457.	8.0	103
42	Toward an Optically Transparent, Antielectrostatic, and Robust Polymer Composite: Morphology and Properties of Polycarbonate/Ionic Liquid Composites. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 4304-4311.	3.7	29
43	Ionic liquid modified poly(vinylidene fluoride): crystalline structures, miscibility, and physical properties. <i>Polymer Chemistry</i> , 2013, 4, 5726.	3.9	181
44	Mechanical and thermal properties of eco-friendly poly(propylene carbonate)/cellulose acetate butyrate blends. <i>Carbohydrate Polymers</i> , 2013, 92, 1921-1927.	10.2	56
45	Miscibility and Double Glass Transition Temperature Depression of Poly(L-lactic acid) (PLLA)/Poly(oxymethylene) (POM) Blends. <i>Macromolecules</i> , 2013, 46, 5806-5814.	4.8	92
46	Self-healing of the superhydrophobicity by ironing for the abrasion durable superhydrophobic cotton fabrics. <i>Scientific Reports</i> , 2013, 3, 2951.	3.3	58
47	Impact of Ionic Liquid-Modified Multiwalled Carbon Nanotubes on the Crystallization Behavior of Poly(vinylidene fluoride). <i>Journal of Physical Chemistry B</i> , 2012, 116, 8312-8320.	2.6	170