

# Nan Meng

## List of Publications by Year in descending order

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28  
papers

1,491  
citations

430874

18  
h-index

501196

28  
g-index

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28  
docs citations

28  
times ranked

1535  
citing authors

#	ARTICLE	IF	CITATIONS
1	Perovskite $Sr_x(\text{Bi}^{1-x}\text{Na}^{0.97-x}\text{Li}^{0.03})_{0.5}\text{TiO}_3$ ceramics with polar nano regions for high power energy storage. <i>Nano Energy</i> , 2018, 50, 723-732.	16.0	293
2	Ultra-high $\beta$ -phase content poly(vinylidene fluoride) with relaxor-like ferroelectricity for high energy density capacitors. <i>Nature Communications</i> , 2019, 10, 4535.	12.8	259
3	Nanoscale interfacial electroactivity in PVDF/PVDF-TrFE blended films with enhanced dielectric and ferroelectric properties. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3296-3305.	5.5	110
4	Ultra-high field-induced strain in lead-free ceramics. <i>Nano Energy</i> , 2020, 76, 105037.	16.0	85
5	Giant energy storage density in PVDF with internal stress engineered polar nanostructures. <i>Nano Energy</i> , 2020, 72, 104662.	16.0	72
6	Macroscale Conjugated Microporous Polymers: Controlling Versatile Functionalities Over Several Dimensions. <i>Advanced Materials</i> , 2022, 34, e2104952.	21.0	65
7	Scalable Fabrication of Conjugated Microporous Polymer Sponges for Efficient Solar Steam Generation. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 4522-4531.	8.0	55
8	Solvent-Based Soft Patterning of Graphene Lateral Heterostructures for Broadband High-Speed Metal-Semiconductor-Metal Photodetectors. <i>Advanced Materials Technologies</i> , 2017, 2, 1600241.	5.8	53
9	Multiscale understanding of electric polarization in poly(vinylidene fluoride)-based ferroelectric polymers. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16436-16442.	5.5	48
10	Hierarchical porous hollow carbon spheres derived from spirofluorene- and aniline-linked conjugated microporous polymer for phase change energy storage. <i>Carbon</i> , 2021, 176, 178-187.	10.3	45
11	Remarkably enhanced polarisability and breakdown strength in PVDF-based interactive polymer blends for advanced energy storage applications. <i>Polymer</i> , 2019, 168, 246-254.	3.8	43
12	Comparison of fracture properties of cellulose nanopaper, printing paper and buckypaper. <i>Journal of Materials Science</i> , 2017, 52, 9508-9519.	3.7	40
13	Crystallization kinetics and enhanced dielectric properties of free standing lead-free PVDF based composite films. <i>Polymer</i> , 2017, 121, 88-96.	3.8	37
14	Modelling the elastic properties of cellulose nanopaper. <i>Materials and Design</i> , 2017, 126, 183-189.	7.0	34
15	Toughening mechanisms in cellulose nanopaper: the contribution of amorphous regions. <i>Cellulose</i> , 2017, 24, 4627-4639.	4.9	34
16	Solvothermal synthesis of porphyrin-ferrocenyl conjugated microporous polymer nanospheres for shape-stable phase change materials with improved latent heat and cyclability. <i>Journal of Colloid and Interface Science</i> , 2021, 595, 178-186.	9.4	31
17	Microstructure and dielectric properties of $\text{Ba}_{0.6}\text{Sr}_{0.4}\text{TiO}_3$ /(acrylonitrile-butadiene-styrene)-poly(vinylidene fluoride) composites. <i>Advanced Composites and Hybrid Materials</i> , 2019, 2, 681-689.	21.1	29
18	High dielectric constant and low loss in poly(fluorovinylidene-co-hexafluoropropylene) nanocomposite incorporated with liquid-exfoliated oriented graphene with assistance of hyperbranched polyethylene. <i>Polymer</i> , 2018, 145, 391-401.	3.8	20

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19	Perovskite Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -based materials for dielectric capacitors with ultrahigh thermal stability. <i>Materials and Design</i> , 2021, 198, 109344.	7.0	19
20	Processing and characterization of free standing highly oriented ferroelectric polymer films with remarkably low coercive field and high remnant polarization. <i>Polymer</i> , 2016, 100, 69-76.	3.8	17
21	Crystal structure and electrical properties of textured Ba <sub>2</sub> Bi <sub>4</sub> Ti <sub>5</sub> O <sub>18</sub> ceramics. <i>Journal of the European Ceramic Society</i> , 2019, 39, 1042-1049.	5.7	17
22	Self-templating synthesis of nitrogen-rich porous carbons using pyridyl functionalized conjugated microporous polytriphenylamine for electrochemical energy storage. <i>Electrochimica Acta</i> , 2022, 402, 139531.	5.2	16
23	Characterization and performance of plate-like Ba <sub>0.6</sub> Sr <sub>0.4</sub> TiO <sub>3</sub> /Poly(vinylidene fluoride) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 54 <i>Polymer</i> , 2020, 203, 122777.	3.8	14
24	Microstructure and dielectric properties of sub-µm hollow sphere (Ba <sub>0.6</sub> /Sr) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 <i>Polymer</i> , 2020, 203, 122777.	4.1	13
25	Metal-free Synthesis of Pyridyl Conjugated Microporous Polymers for Photocatalytic Hydrogen Evolution. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2021, 39, 1004-1012.	3.8	13
26	Ultra-high energy density integrated polymer dielectric capacitors. <i>Journal of Materials Chemistry A</i> , 2022, 10, 10171-10180.	10.3	12
27	Terahertz Probing Irreversible Phase Transitions Related to Polar Clusters in Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -Based Ferroelectric. <i>Advanced Electronic Materials</i> , 2020, 6, 1901373.	5.1	10
28	Low-cost Free-standing ferroelectric polymer films with high polarization produced via pressing-and-folding. <i>Journal of Materiomics</i> , 2022, 8, 640-648.	5.7	7