

# Xunda Feng

## List of Publications by Citations

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30  
papers

1,078  
citations

17  
h-index

30  
g-index

30  
ext. papers

1,304  
ext. citations

9.8  
avg. IF

4.44  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 30 | Enhanced antibacterial activity through the controlled alignment of graphene oxide nanosheets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E9793-E9801       | 11.5 | 215       |
| 29 | Scalable fabrication of polymer membranes with vertically aligned 1 nm pores by magnetic field directed self-assembly. <i>ACS Nano</i> , <b>2014</b> , 8, 11977-86   | 16.7 | 155       |
| 28 | Thin Polymer Films with Continuous Vertically Aligned 1 nm Pores Fabricated by Soft Confinement. <i>ACS Nano</i> , <b>2016</b> , 10, 150-8   | 16.7 | 77        |
| 27 | Highly Selective Vertically Aligned Nanopores in Sustainably Derived Polymer Membranes by Molecular Templating. <i>ACS Nano</i> , <b>2017</b> , 11, 3911-3921  | 16.7 | 64        |
| 26 | Janus Graft Block Copolymers: Design of a Polymer Architecture for Independently Tuned Nanostructures and Polymer Properties. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 8493-8497                 | 16.4 | 57        |
| 25 | Directed Assembly of Hybrid Nanomaterials and Nanocomposites. <i>Advanced Materials</i> , <b>2018</b> , 30, e1705794   | 14   | 52        |
| 24 | Spontaneous Formation of Nanoscale Polymer Spheres, Capsules, or Rods by Evaporation of Polymer Solutions in Cylindrical Alumina Nanopores. <i>Macromolecules</i> , <b>2009</b> , 42, 569-572                                | 5.5  | 50        |
| 23 | Fabrication of Polymer Nanospheres Based on Rayleigh Instability in Capillary Channels. <i>Macromolecules</i> , <b>2011</b> , 44, 1615-1620  | 5.5  | 49        |
| 22 | Precise nanofiltration in a fouling-resistant self-assembled membrane with water-continuous transport pathways. <i>Science Advances</i> , <b>2019</b> , 5, eaav9308  | 14.3 | 44        |
| 21 | Polymer nanofibers by controllable infiltration of vapour swollen polymers into cylindrical nanopores. <i>Soft Matter</i> , <b>2013</b> , 9, 945-951   | 3.6  | 39        |
| 20 | Controlling orientational order in block copolymers using low-intensity magnetic fields. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E9437-E9444             | 11.5 | 31        |
| 19 | Relating Selectivity and Separation Performance of Lamellar Two-Dimensional Molybdenum Disulfide (MoS) Membranes to Nanosheet Stacking Behavior. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 9640-9651 | 10.3 | 31        |
| 18 | Tuning the permselectivity of polymeric desalination membranes via control of polymer crystallite size. <i>Nature Communications</i> , <b>2019</b> , 10, 2347  | 17.4 | 29        |
| 17 | Swelling of block copolymer nanoparticles: a process combining deformation and phase separation. <i>Langmuir</i> , <b>2013</b> , 29, 4640-6  | 4    | 25        |
| 16 | Fabrication of a Desalination Membrane with Enhanced Microbial Resistance through Vertical Alignment of Graphene Oxide. <i>Environmental Science and Technology Letters</i> , <b>2018</b> , 5, 614-620                       | 11   | 24        |
| 15 | Single crystal texture by directed molecular self-assembly along dual axes. <i>Nature Materials</i> , <b>2019</b> , 18, 1235-1243  | 27   | 21        |
| 14 | Carbon-nanotube-assisted high loading and controlled release of polyoxometalates in biodegradable multilayer thin films. <i>Nanotechnology</i> , <b>2009</b> , 20, 105101  | 3.4  | 21        |

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|----|---|------|----|
| 13 | Wettability transition induced transformation and entrapment of polymer nanostructures in cylindrical nanopores. <i>Langmuir</i> , <b>2011</b> , 27, 14240-7                            | 4    | 16 |
| 12 | Rapid Fabrication by Lyotropic Self-Assembly of Thin Nanofiltration Membranes with Uniform 1 Nanometer Pores. <i>ACS Nano</i> , <b>2021</b> , 15, 8192-8203                             | 16.7 | 13 |
| 11 | Surface ordering and anchoring behaviour at liquid crystal surfaces laden with semifluorinated alkane molecules. <i>Soft Matter</i> , <b>2012</b> , 8, 9661                             | 3.6  | 10 |
| 10 | Janus Graft Block Copolymers: Design of a Polymer Architecture for Independently Tuned Nanostructures and Polymer Properties. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 8629-8633   | 3.6  | 9  |
| 9  | AFM study of Gibbs films of semifluorinated alkanes at liquid crystal/air interfaces. <i>ChemPhysChem</i> , <b>2013</b> , 14, 1801-5  | 3.2  | 8  |
| 8  | A biocompatible chitosan composite containing phosphotungstic acid modified single-walled carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 7126-9 | 1.3  | 8  |
| 7  | Understanding the Nanoscale Structure of Inverted Hexagonal Phase Lyotropic Liquid Crystal Polymer Membranes. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 289-309       | 3.4  | 8  |
| 6  | Increasing donor-acceptor spacing for reduced voltage loss in organic solar cells. <i>Nature Communications</i> , <b>2021</b> , 12, 6679  | 17.4 | 7  |
| 5  | Polymer Nanosheets from Supramolecular Assemblies of Conjugated Linoleic Acid-High Surface Area Adsorbents from Renewable Materials. <i>Langmuir</i> , <b>2017</b> , 33, 10690-10697    | 4    | 6  |
| 4  | Surface order at surfactant-laden interfaces between isotropic liquid crystals and liquid phases with different polarity. <i>Physical Review E</i> , <b>2011</b> , 84, 031701           | 2.4  | 4  |
| 3  | Nanoscale Thickness Control of Nanoporous Films Derived from Directionally Photopolymerized Mesophases. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2001977                 | 4.6  | 4  |
| 2  | Highly Ordered Interconnected 1 nm Pores in Polymers Fabricated from Easily Accessible Gyroid Liquid Crystals. <i>Macromolecules</i> , <b>2021</b> , 54, 5856-5865                      | 5.5  | 1  |
| 1  | Tunable organic solvent nanofiltration in self-assembled membranes at the sub-1 nm scale.. <i>Science Advances</i> , <b>2022</b> , 8, eabm5899  | 14.3 | 0  |