

Xiaofei Zhao

List of Publications by Year in Descending Order

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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.

19
papers

724
citations

11
h-index

22
g-index

22
ext. papers

1,124
ext. citations

7
avg, IF

4.37
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 19 | Water-dispersible Ti ₃ C ₂ T _z MXene nanosheets by molten salt etching. <i>IScience</i> , 2021 , 24, 103403 | 6.1 | 4 |
| 18 | Carbon Additive-Free Crumpled Ti ₃ C ₂ TX MXene-Encapsulated Silicon Nanoparticle Anodes for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 10762-10773 | 6.1 | 2 |
| 17 | Layer-by-Layer Assembly of Reduced Graphene Oxide and MXene Nanosheets for Wire-Shaped Flexible Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 14068-14076 | 9.5 | 23 |
| 16 | Electronic and Optical Property Control of Polycation/MXene Layer-by-Layer Assemblies with Chemically Diverse MXenes. <i>Langmuir</i> , 2021 , 37, 11338-11350 | 4 | 6 |
| 15 | Rheological behavior of a low crystallinity polyolefin-modified asphalt binder for flexible pavements. <i>Case Studies in Construction Materials</i> , 2021 , 15, e00640 | 2.7 | 0 |
| 14 | In vivo effects on the immune function of fathead minnow (<i>Pimephales promelas</i>) following ingestion and intraperitoneal injection of polystyrene nanoplastics. <i>Science of the Total Environment</i> , 2020 , 735, 139461 | 10.2 | 16 |
| 13 | Graphene Oxide Synthesis: Reaction Calorimetry and Safety. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 9004-9014 | 3.9 | 7 |
| 12 | Sorption of three common nonsteroidal anti-inflammatory drugs (NSAIDs) to microplastics. <i>Science of the Total Environment</i> , 2020 , 715, 136974 | 10.2 | 47 |
| 11 | Aramid nanofiber-reinforced three-dimensional graphene hydrogels for supercapacitor electrodes. <i>Journal of Colloid and Interface Science</i> , 2020 , 560, 581-588 | 9.3 | 27 |
| 10 | pH-Response of polycation/Ti ₃ C ₂ T _x MXene layer-by-layer assemblies for use as resistive sensors. <i>Molecular Systems Design and Engineering</i> , 2020 , 5, 366-375 | 4.6 | 18 |
| 9 | Radio frequency heating and reduction of Graphene Oxide and Graphene Oxide - Polyvinyl Alcohol Composites. <i>Carbon</i> , 2020 , 169, 475-481 | 10.4 | 9 |
| 8 | Annealed Ti ₃ C ₂ T _z MXene Films for Oxidation-Resistant Functional Coatings. <i>ACS Applied Nano Materials</i> , 2020 , 3, 10578-10585 | 5.6 | 11 |
| 7 | Minimizing two-dimensional TiCT MXene nanosheet loading in carbon-free silicon anodes. <i>Nanoscale</i> , 2020 , 12, 20699-20709 | 7.7 | 8 |
| 6 | pH, Nanosheet Concentration, and Antioxidant Affect the Oxidation of Ti ₃ C ₂ T _x and Ti ₂ C ₂ T _x MXene Dispersions. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000845 | 4.6 | 31 |
| 5 | Antioxidants Unlock Shelf-Stable Ti ₃ C ₂ T (MXene) Nanosheet Dispersions. <i>Matter</i> , 2019 , 1, 513-526 | 12.7 | 210 |
| 4 | Oxidation stability of Ti ₃ C ₂ T _x MXene nanosheets in solvents and composite films. <i>Npj 2D Materials and Applications</i> , 2019 , 3, | 8.8 | 162 |
| 3 | Heating of TiCT MXene/polymer composites in response to Radio Frequency fields. <i>Scientific Reports</i> , 2019 , 9, 16489 | 4.9 | 23 |

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|---|--|-----|----|
| 2 | Rapid Heating of Silicon Carbide Fibers under Radio Frequency Fields and Application in Curing Pre-ceramic Polymer Composites. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 46132-46139 | 9.5 | 19 |
| 1 | Water Sorption in MXene/Polyelectrolyte Multilayers for Ultrafast Humidity Sensing. <i>ACS Applied Nano Materials</i> , 2019 , 2, 948-955 | 5.6 | 99 |