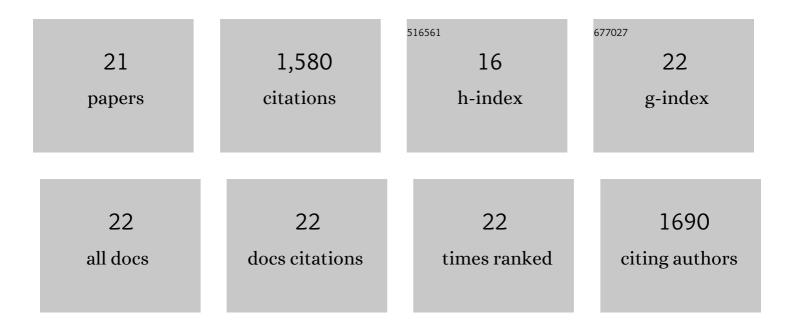
Xiaofei Zhao

List of Publications by Year in descending order

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Χιλοεει Ζηλο

#	Article	IF	CITATIONS
1	Antioxidants Unlock Shelf-Stable Ti3C2T (MXene) Nanosheet Dispersions. Matter, 2019, 1, 513-526.	5.0	436
2	Oxidation stability of Ti3C2Tx MXene nanosheets in solvents and composite films. Npj 2D Materials and Applications, 2019, 3, .	3.9	312
3	Water Sorption in MXene/Polyelectrolyte Multilayers for Ultrafast Humidity Sensing. ACS Applied Nano Materials, 2019, 2, 948-955.	2.4	173
4	Sorption of three common nonsteroidal anti-inflammatory drugs (NSAIDs) to microplastics. Science of the Total Environment, 2020, 715, 136974.	3.9	103
5	pH, Nanosheet Concentration, and Antioxidant Affect the Oxidation of Ti ₃ C ₂ T <i>_x</i> and Ti ₂ CT <i>_x</i> MXene Dispersions. Advanced Materials Interfaces, 2020, 7, 2000845.	1.9	99
6	Layer-by-Layer Assembly of Reduced Graphene Oxide and MXene Nanosheets for Wire-Shaped Flexible Supercapacitors. ACS Applied Materials & Interfaces, 2021, 13, 14068-14076.	4.0	74
7	Water-dispersible Ti3C2Tz MXene nanosheets by molten salt etching. IScience, 2021, 24, 103403.	1.9	60
8	Annealed Ti ₃ C ₂ T _{<i>z</i>} MXene Films for Oxidation-Resistant Functional Coatings. ACS Applied Nano Materials, 2020, 3, 10578-10585.	2.4	49
9	In vivo effects on the immune function of fathead minnow (Pimephales promelas) following ingestion and intraperitoneal injection of polystyrene nanoplastics. Science of the Total Environment, 2020, 735, 139461.	3.9	39
10	Aramid nanofiber-reinforced three-dimensional graphene hydrogels for supercapacitor electrodes. Journal of Colloid and Interface Science, 2020, 560, 581-588.	5.0	38
11	Heating of Ti3C2Tx MXene/polymer composites in response to Radio Frequency fields. Scientific Reports, 2019, 9, 16489.	1.6	32
12	Rapid Heating of Silicon Carbide Fibers under Radio Frequency Fields and Application in Curing Preceramic Polymer Composites. ACS Applied Materials & Interfaces, 2019, 11, 46132-46139.	4.0	29
13	pH-Response of polycation/Ti3C2Tx MXene layer-by-layer assemblies for use as resistive sensors. Molecular Systems Design and Engineering, 2020, 5, 366-375.	1.7	24
14	Carbon Additive-Free Crumpled Ti ₃ C ₂ T <i>_X</i> MXene-Encapsulated Silicon Nanoparticle Anodes for Lithium-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 10762-10773.	2.5	20
15	Electronic and Optical Property Control of Polycation/MXene Layer-by-Layer Assemblies with Chemically Diverse MXenes. Langmuir, 2021, 37, 11338-11350.	1.6	19
16	Minimizing two-dimensional Ti ₃ C ₂ T _x MXene nanosheet loading in carbon-free silicon anodes. Nanoscale, 2020, 12, 20699-20709.	2.8	18
17	The Role of Antioxidant Structure in Mitigating Oxidation in Ti ₃ C ₂ T <i>_x</i> and Ti ₂ CT <i>_x</i> MXenes. Advanced Materials Interfaces, 2022, 9, .	1.9	16
18	Radio frequency heating and reduction of Graphene Oxide and Graphene Oxide - Polyvinyl Alcohol Composites. Carbon, 2020, 169, 475-481.	5.4	15

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#	Article	IF	CITATIONS
19	Graphene Oxide Synthesis: Reaction Calorimetry and Safety. Industrial & Engineering Chemistry Research, 2020, 59, 9004-9014.	1.8	14
20	Sustainable production of graphene from petroleum coke using electrochemical exfoliation. Npj 2D Materials and Applications, 2021, 5, .	3.9	6
21	Rheological behavior of a low crystallinity polyolefin-modified asphalt binder for flexible pavements. Case Studies in Construction Materials, 2021, 15, e00640.	0.8	3