

S Mahdi Hamidinejad

List of Publications by Citations

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26

papers

1,121

citations

15

h-index

28

g-index

28

ext. papers

1,584

ext. citations

9.3

avg, IF

5.03

L-index

#	Paper	IF	Citations
26	Flexible, Ultrathin, and High-Efficiency Electromagnetic Shielding Properties of Poly(Vinylidene Fluoride)/Carbon Composite Films. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 20873-20884	9.5	185
25	Synergism between carbon materials and Ni chains in flexible poly(vinylidene fluoride) composite films with high heat dissipation to improve electromagnetic shielding properties. <i>Carbon</i> , 2018 , 127, 469-478	10.4	124
24	Incorporating a microcellular structure into PVDF/graphene nanoplatelet composites to tune their electrical conductivity and electromagnetic interference shielding properties. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 10292-10300	7.1	113
23	Enhanced Electrical and Electromagnetic Interference Shielding Properties of Polymer-Graphene Nanoplatelet Composites Fabricated via Supercritical-Fluid Treatment and Physical Foaming. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30752-30761	9.5	99
22	Enhanced Thermal Conductivity of Graphene Nanoplatelet-Polymer Nanocomposites Fabricated via Supercritical Fluid-Assisted in Situ Exfoliation. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1225-1236	9.5	88
21	Lightweight and flexible graphene/SiC-nanowires/ poly(vinylidene fluoride) composites for electromagnetic interference shielding and thermal management. <i>Carbon</i> , 2020 , 156, 58-66	10.4	84
20	A versatile foaming platform to fabricate polymer/carbon composites with high dielectric permittivity and ultra-low dielectric loss. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 133-140	13	80
19	Achieving wideband microwave absorption properties in PVDF nanocomposite foams with an ultra-low MWCNT content by introducing a microcellular structure. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 58-70	7.1	73
18	Ultralight Microcellular Polymer-Graphene Nanoplatelet Foams with Enhanced Dielectric Performance. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 19987-19998	9.5	61
17	Enhancing the electrical conductivity of PP/CNT nanocomposites through crystal-induced volume exclusion effect with a slow cooling rate. <i>Composites Part B: Engineering</i> , 2020 , 183, 107663	10	37
16	Advances in electromagnetic shielding properties of composite foams. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 8896-8949	13	34
15	Ratcheting of 304 stainless steel under multiaxial step-loading conditions. <i>International Journal of Mechanical Sciences</i> , 2015 , 100, 80-89	5.5	19
14	CO2 laser welding of interstitial free galvanized steel sheets used in tailor welded blanks. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 64, 195-206	3.2	19
13	Facilitating supercritical CO2 assisted exfoliation of graphene nanoplatelets with the polymer matrix. <i>Chemical Engineering Journal</i> , 2020 , 394, 124930	14.7	18
12	Insight into the Directional Thermal Transport of Hexagonal Boron Nitride Composites. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 41726-41735	9.5	18
11	Ratcheting of 304 Stainless Steel Alloys subjected to Stress-Controlled and mixed Stress- and Strain-Controlled Conditions evaluated by Kinematic Hardening Rules. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2016 , 39, 238-250	3	12
10	Layered Foam/Film Polymer Nanocomposites with Highly Efficient EMI Shielding Properties and Ultralow Reflection. <i>Nano-Micro Letters</i> , 2021 , 14, 19	19.5	11

9	Enhanced electromagnetic wave absorption performance of polymer/SiC-nanowire/MXene (Ti3C2Tx) composites. <i>Carbon</i> , 2021 , 179, 408-416	10.4	11
8	Enhanced electrical and mechanical properties of graphene nano-ribbon/thermoplastic polyurethane composites. <i>Carbon</i> , 2021 , 174, 305-316	10.4	11
7	Maintaining electrical conductivity of microcellular MWCNT/TPU composites after deformation. <i>Composites Part B: Engineering</i> , 2021 , 223, 109113	10	8
6	Electrically and thermally graded microcellular polymer/graphene nanoplatelet composite foams and their EMI shielding properties. <i>Carbon</i> , 2021 ,	10.4	5
5	Mechanical Size Effect of Freestanding Nanoconfined Polymer Films. <i>Macromolecules</i> ,	5.5	3
4	Thermally conductive polymer-graphene nanoplatelet composite foams 2019 ,		1
3	Molecular engineering of the surface of boron nitride nanotubes for manufacture of thermally conductive dielectric polymer composites. <i>Applied Surface Science</i> , 2022 , 152779	6.7	1
2	Scalable Characterization of 2D Gallium-Intercalated Epitaxial Graphene. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 55428-55439	9.5	1
1	Sectorization of Macromolecular Single Crystals Unveiled by Probing Shear Anisotropy.. <i>ACS Macro Letters</i> , 2022 , 11, 53-59	6.6	