Micah Green

List of Publications by Citations

156	6,317	41	76
papers	citations	h-index	g-index
164	7,636	7.3	6.08
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
156	Spontaneous high-concentration dispersions and liquid crystals of graphene. *Nature Nanotechnology*, **2010**, 5, 406-11	28.7	488
155	True solutions of single-walled carbon nanotubes for assembly into macroscopic materials. *Nature Nanotechnology*, **2009**, 4, 830-4	28.7	417
154	Dispersions of non-covalently functionalized graphene with minimal stabilizer. *ACS Nano*, **2012**, 6, 8857-67	13.7	291
153	Polymer-stabilized graphene dispersions at high concentrations in organic solvents for composite production. *Carbon*, **2012**, 50, 526-534	10.4	233
152	Carbon nanotube-based neat fibers. *Nano Today*, **2008**, 3, 24-34	17.9	227
151	Antioxidants Unlock Shelf-Stable Ti3C2T (MXene) Nanosheet Dispersions. *Matter*, **2019**, 1, 513-526	12.7	210
150	Template-free 3D titanium carbide (TiCT) MXene particles crumpled by capillary forces. *Chemical Communications*, **2016**, 53, 400-403	5.8	195
149	Electrochemical etching of Ti2AlC to Ti2CTx (MXene) in low-concentration hydrochloric acid solution. *Journal of Materials Chemistry A*, **2017**, 5, 21663-21668	13	186
148	Nanotubes as polymers. *Polymer*, **2009**, 50, 4979-4997	3.9	170
147	Oxidation stability of Ti3C2Tx MXene nanosheets in solvents and composite films. *Npj 2D Materials and Applications*, **2019**, 3,	8.8	162
146	Surface-agnostic highly stretchable and bendable conductive MXene multilayers. *Science Advances*, **2018**, 4, eaaq0118	14.3	157
145	Welding of 3D-printed carbon nanotube-polymer composites by locally induced microwave heating. *Science Advances*, **2017**, 3, e1700262	14.3	149
144	Interaction of carbon nanohorns with plants: Uptake and biological effects. *Carbon*, **2015**, 81, 607-619	10.4	145
143	High-Performance Pristine Graphene/Epoxy Composites With Enhanced Mechanical and Electrical Properties. *Macromolecular Materials and Engineering*, **2013**, 298, 339-347	3.9	130
142	An evaluation of the impact of multiwalled carbon nanotubes on soil microbial community structure and functioning. *Journal of Hazardous Materials*, **2013**, 261, 188-97	12.8	116
141	Rheology and morphology of pristine graphene/polyacrylamide gels. *ACS Applied Materials & Interfaces*, **2013**, 5, 8633-40	9.5	108
140	Spontaneous dissolution of ultralong single- and multiwalled carbon nanotubes. *ACS Nano*, **2010**, 4, 3969-78	13.7	108

139	Water Sorption in MXene/Polyelectrolyte Multilayers for Ultrafast Humidity Sensing. *ACS Applied Nano Materials*, **2019**, 2, 948-955	5.6	99
138	Challenges in Liquid-Phase Exfoliation, Processing, and Assembly of Pristine Graphene. *Advanced Materials*, **2016**, 28, 8796-8818	24	97
137	Localized in situ polymerization on graphene surfaces for stabilized graphene dispersions. *ACS Applied Materials & Interfaces*, **2011**, 3, 1844-51	9.5	94
136	Non-covalent functionalization of pristine few-layer graphene using triphenylene derivatives for conductive poly (vinyl alcohol) composites. *Polymer*, **2012**, 53, 2485-2494	3.9	92
135	High-yield scalable graphene nanosheet production from compressed graphite using electrochemical exfoliation. *Scientific Reports*, **2018**, 8, 14525	4.9	91
134	Acute and reproductive toxicity of nano-sized metal oxides (ZnO and TiO) to earthworms (Eisenia fetida). *Journal of Environmental Monitoring*, **2011**, 13, 3351-7		73
133	Competing mechanisms and scaling laws for carbon nanotube scission by ultrasonication. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 11599-604	11.5	73
132	Tailored Crumpling and Unfolding of Spray-Dried Pristine Graphene and Graphene Oxide Sheets. *Small*, **2015**, 11, 2661-8	11	70
131	Detection of carbon nanotubes in biological samples through microwave-induced heating. *Carbon*, **2012**, 50, 4441-4449	10.4	66
130	Effects of carbon-based nanomaterials on seed germination, biomass accumulation and salt stress response of bioenergy crops. *PLoS ONE*, **2018**, 13, e0202274	3.7	65
129	Liquid phase exfoliation and crumpling of inorganic nanosheets. *Physical Chemistry Chemical Physics* , **2015**, 17, 9383-93	3.6	60
128	Diameter-dependent solubility of single-walled carbon nanotubes. *ACS Nano*, **2010**, 4, 3063-72	16.7	60
127	Analysis and measurement of carbon nanotube dispersions: nanodispersion versus macrodispersion. *Polymer International*, **2010**, 59, 1319-1322	3.3	57
126	Modeling the phase behavior of polydisperse rigid rods with attractive interactions with applications to single-walled carbon nanotubes in superacids. *Journal of Chemical Physics*, **2009**, 131, 084901	3.9	56
125	Translocation, trophic transfer, accumulation and depuration of polystyrene microplastics in Daphnia magna and Pimephales promelas. *Environmental Pollution*, **2020**, 259, 113937	9.3	56
124	Vertical transport and plant uptake of nanoparticles in a soil mesocosm experiment. *Journal of Nanobiotechnology*, **2016**, 14, 40	9.4	53
123	Determination of multi-walled carbon nanotube bioaccumulation in earthworms measured by a microwave-based detection technique. *Science of the Total Environment*, **2013**, 445-446, 9-13	10.2	51
122	Sorption of three common nonsteroidal anti-inflammatory drugs (NSAIDs) to microplastics. *Science of the Total Environment*, **2020**, 715, 136974	10.2	47

121	Relationship of Extensional Viscosity and Liquid Crystalline Transition to Length Distribution in Carbon Nanotube Solutions. *Macromolecules*, **2016**, 49, 681-689	5.5	46
120	Mobility of polyaromatic hydrocarbons (PAHs) in soil in the presence of carbon nanotubes. *Ecotoxicology and Environmental Safety*, **2013**, 96, 168-74	7	46
119	Highly Multifunctional Dopamine-Functionalized Reduced Graphene Oxide Supercapacitors. *Matter*, **2019**, 1, 1532-1546	12.7	45
118	Direct exfoliation of graphene in ionic liquids with aromatic groups. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2014**, 463, 63-69	5.1	45
117	Electrospinning of polymer nanofibers loaded with noncovalently functionalized graphene. *Journal of Applied Polymer Science*, **2013**, 128, 4040-4046	2.9	44
116	Process Safety Analysis for Ti3C2Tx MXene Synthesis and Processing. *Industrial & Engineering Chemistry Research*, **2019**, 58, 1570-1579	3.9	44
115	Multiwalled Carbon Nanotubes Dramatically Affect the Fruit Metabolome of Exposed Tomato Plants. *ACS Applied Materials & Interfaces*, **2017**, 9, 32430-32435	9.5	41
114	Rapid curing and additive manufacturing of thermoset systems using scanning microwave heating of carbon nanotube/epoxy composites. *Carbon*, **2017**, 120, 447-453	10.4	39
113	Radio Frequency Heating of Carbon Nanotube Composite Materials. *ACS Applied Materials & Interfaces*, **2018**, 10, 27252-27259	9.5	38
112	Aqueous Exfoliation of Graphite into Graphene Assisted by Sulfonyl Graphene Quantum Dots for Photonic Crystal Applications. *ACS Applied Materials & Interfaces*, **2017**, 9, 30797-30804	9.5	35
111	Performance enhancement of dye-sensitized solar cells by incorporating graphene sheets of various sizes. *Applied Surface Science*, **2014**, 314, 638-641	6.7	34
110	Polyaromatic hydrocarbons (PAHs) sorption behavior unaffected by the presence of multi-walled carbon nanotubes (MWNTs) in a natural soil system. *Environmental Sciences: Processes and Impacts*, **2013**, 15, 1130-6	4.3	33
109	Determination of uptake, accumulation, and stress effects in corn (Zea mays L.) grown in single-wall carbon nanotube contaminated soil. *Chemosphere*, **2016**, 152, 117-22	8.4	33
108	Stiff and Transparent Multilayer Thin Films Prepared Through Hydrogen-Bonding Layer-by-Layer Assembly of Graphene and Polymer. *Advanced Functional Materials*, **2016**, 26, 2143-2149	15.6	31
107	pH, Nanosheet Concentration, and Antioxidant Affect the Oxidation of Ti3C2Tx and Ti2CTx MXene Dispersions. *Advanced Materials Interfaces*, **2020**, 7, 2000845	4.6	31
106	ReaxFF Simulations of Laser-Induced Graphene (LIG) Formation for Multifunctional Polymer Nanocomposites. *ACS Applied Nano Materials*, **2020**, 3, 1881-1890	5.6	30
105	Bioaccumulation, stress, and swimming impairment in Daphnia magna exposed to multiwalled carbon nanotubes, graphene, and graphene oxide. *Environmental Toxicology and Chemistry*, **2017**, 36, 2199-2204	3.8	28
104	Comparative studies of multi-walled carbon nanotubes (MWNTs) and octadecyl (C18) as sorbents in passive sampling devices for biomimetic uptake of polycyclic aromatic hydrocarbons (PAHs) from soils. *Science of the Total Environment*, **2013**, 461-462, 560-7	10.2	27

103	Carbon nanotubes affect early growth, flowering time and phytohormones in tomato. *Chemosphere* , **2020**, 256, 127042	8.4	27
102	Aramid nanofiber-reinforced three-dimensional graphene hydrogels for supercapacitor electrodes. *Journal of Colloid and Interface Science*, **2020**, 560, 581-588	9.3	27
101	Ultralow percolation threshold in aerogel and cryogel templated composites. *Langmuir*, **2013**, 29, 11449-56	4	26
100	Ignition sensitivity and electrical conductivity of an aluminum fluoropolymer reactive material with carbon nanofillers. *Combustion and Flame*, **2015**, 162, 1417-1421	5.3	24
99	Improvement of Commercially Valuable Traits of Industrial Crops by Application of Carbon-based Nanomaterials. *Scientific Reports*, **2019**, 9, 19358	4.9	24
98	A temperature-responsive poly(vinyl alcohol) gel for controlling fluidity of an inorganic phase change material. *Journal of Materials Chemistry A*, **2017**, 5, 12474-12482	13	23
97	Heating of TiCT MXene/polymer composites in response to Radio Frequency fields. *Scientific Reports*, **2019**, 9, 16489	4.9	23
96	Adsorption and removal of graphene dispersants. *Journal of Colloid and Interface Science*, **2015**, 446, 282-9	9.3	23
95	Layer-by-Layer Assembly of Reduced Graphene Oxide and MXene Nanosheets for Wire-Shaped Flexible Supercapacitors. *ACS Applied Materials & Interfaces*, **2021**, 13, 14068-14076	9.5	23
94	New insights into the flow and microstructural relaxation behavior of biphasic cellulose nanocrystal dispersions from RheoSANS. *Soft Matter*, **2017**, 13, 8451-8462	3.6	21
93	Layer-by-Layer Assembly of Polyaniline Nanofibers and MXene Thin-Film Electrodes for Electrochemical Energy Storage. *ACS Applied Materials & Interfaces*, **2019**, 11, 47929-47938	9.5	20
92	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	9.5	19
91	pH-Response of polycation/Ti3C2Tx MXene layer-by-layer assemblies for use as resistive sensors. *Molecular Systems Design and Engineering*, **2020**, 5, 366-375	4.6	18
90	Radio Frequency Heating of Laser-Induced Graphene on Polymer Surfaces for Rapid Welding. *ACS Applied Nano Materials*, **2019**, 2, 7032-7042	5.6	17
89	Radio frequency heating of metallic and semiconducting single-walled carbon nanotubes. *Nanoscale*, **2019**, 11, 9617-9625	7.7	16
88	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	10.2	16
87	Extending the excluded volume for percolation threshold estimates in polydisperse systems: The binary disk system. *Applied Mathematical Modelling*, **2017**, 46, 116-125	4.5	15
86	Cosolvents as Liquid Surfactants for Boron Nitride Nanosheet (BNNS) Dispersions. *Langmuir*, **2016**, 32, 11591-11599	4	15

85	Synthesizing MXene Nanosheets by Water-free Etching. *CheM*, **2020**, 6, 544-546	16.2	14
84	Assessment of length and bundle distribution of dilute single-walled carbon nanotubes by viscosity measurements. *AICHE Journal*, **2014**, 60, 1499-1508	3.6	14
83	Wire Melt Electrospinning of Thin Polymeric Fibers via Strong Electrostatic Field Gradients. *Macromolecular Materials and Engineering*, **2019**, 304, 1800417	3.9	14
82	Radio Frequency and Microwave Heating of Preceramic Polymer Nanocomposites with Applications in Mold-Free Processing. *Advanced Engineering Materials*, **2019**, 21, 1900276	3.5	13
81	Designer stabilizer for preparation of pristine graphene/polysiloxane films and networks. *Nanoscale*, **2014**, 6, 11722-31	7.7	13
80	Cryogenic-temperature electron microscopy direct imaging of carbon nanotubes and graphene solutions in superacids. *Journal of Microscopy*, **2015**, 259, 16-25	1.9	13
79	A Novel Approach for Melt Electrospinning of Polymer Fibers. *Procedia Manufacturing*, **2018**, 26, 205-208	1.5	13
78	Effect of dsDNA wrapped single-walled carbon nanotubes on the thermal and mechanical properties of polycaprolactone and polyglycolide fiber blend composites. *Polymer*, **2015**, 56, 476-481	3.9	12
77	Continuous processing of pre-pregs using radio frequency heating. *Composites Science and Technology*, **2020**, 195, 108211	8.6	12
76	Trophic Transfer and Accumulation of Multiwalled Carbon Nanotubes in the Presence of Copper Ions in Daphnia magna and Fathead Minnow (Pimephales promelas). *Environmental Science & Technology*, **2018**, 52, 794-800	10.3	11
75	Modeling of downstream heating in melt electrospinning of polymers. *Journal of Polymer Science, Part B: Polymer Physics*, **2017**, 55, 1393-1405	2.6	11
74	Brownian dynamics simulations of nanosheet solutions under shear. *Journal of Chemical Physics*, **2014**, 141, 024905	3.9	11
73	Annealed Ti3C2Tz MXene Films for Oxidation-Resistant Functional Coatings. *ACS Applied Nano Materials*, **2020**, 3, 10578-10585	5.6	11
72	Orientation Relaxation Dynamics in Cellulose Nanocrystal Dispersions in the Chiral Liquid Crystalline Phase. *Langmuir*, **2018**, 34, 13274-13282	4	11
71	High-throughput screening of printed carbon nanotube circuits using radio frequency heating. *Carbon*, **2019**, 152, 444-450	10.4	10
70	Tunable dispersibility and wettability of graphene oxide through one-pot functionalization and reduction. *Journal of Colloid and Interface Science*, **2019**, 552, 771-780	9.3	10
69	Tailored Network Formation in Graphene Oxide Gels. *Langmuir*, **2018**, 34, 8550-8559	4	10
68	Graphene Oxide Liquid Crystal Domains: Quantification and Role in Tailoring Viscoelastic Behavior. *ACS Nano*, **2019**, 13, 8957-8969	16.7	10

67	Direct imaging of carbon nanotubes spontaneously filled with solvent. *Chemical Communications*, **2011**, 47, 1228-30	5.8	10
66	Local heating and curing of carbon nanocomposite adhesives using radio frequencies. *Journal of Manufacturing Processes*, **2020**, 58, 436-442	5	10
65	Distinguishing Self-Assembled Pyrene Structures from Exfoliated Graphene. *Langmuir*, **2016**, 32, 10699-10704	4	10
64	Structural reduced graphene oxide supercapacitors mechanically enhanced with tannic acid. *Sustainable Energy and Fuels*, **2020**, 4, 2301-2308	5.8	9
63	Gradient Films of Pristine Graphene/Pyrene-Functional Copolymers with Janus Electrical Properties. *ACS Applied Materials & Interfaces*, **2016**, 8, 31813-31821	9.5	9
62	Radio frequency heating and reduction of Graphene Oxide and Graphene Oxide - Polyvinyl Alcohol Composites. *Carbon*, **2020**, 169, 475-481	10.4	9
61	One-step hydrothermal synthesis of porous TiCT MXene/rGO gels for supercapacitor applications. *Nanoscale*, **2021**, 13, 16543-16553	7.7	9
60	Comparison of Nanoarchitecture to Porous Media Diffusion Models in Reduced Graphene Oxide/Aramid Nanofiber Electrodes for Supercapacitors. *ACS Nano*, **2020**, 14, 5314-5323	16.7	8
59	Electrical current stimulated desorption of carbon dioxide adsorbed on graphene based structures. *RSC Advances*, **2016**, 6, 43401-43407	3.7	8
58	Lightweight Kevlar-Reinforced Graphene Oxide Architectures with High Strength for Energy Storage. *Advanced Materials Interfaces*, **2019**, 6, 1900786	4.6	8
57	Graphene non-covalently tethered with magnetic nanoparticles. *Carbon*, **2014**, 72, 192-199	10.4	8
56	Minimizing two-dimensional TiCT MXene nanosheet loading in carbon-free silicon anodes. *Nanoscale*, **2020**, 12, 20699-20709	7.7	8
55	Ultrafast and Highly Localized Microwave Heating in Carbon Nanotube Multilayer Thin Films. *Advanced Materials Interfaces*, **2017**, 4, 1700371	4.6	7
54	Graphene Oxide Synthesis: Reaction Calorimetry and Safety. *Industrial & Engineering Chemistry Research*, **2020**, 59, 9004-9014	3.9	7
53	Effect of pseudomonas lipase enzyme on the degradation of polycaprolactone/polycaprolactone-polyglycolide fiber blended nanocomposites. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2019**, 68, 360-367	3	7
52	Brownian dynamics simulation of two-dimensional nanosheets under biaxial extensional flow. *Journal of Polymer Science, Part B: Polymer Physics*, **2015**, 53, 1247-1253	2.6	7
51	Computation of the nonhomogeneous equilibrium states of a rigid-rod solution. *Journal of Chemical Physics*, **2006**, 125, 214906	3.9	7
50	Joule heating of carbon pixels for on-demand thermal patterning. *Carbon*, **2021**, 174, 518-523	10.4	7

49	Oxidative Stability of Nbn+1CnTz MXenes. *Journal of Physical Chemistry C*, **2021**, 125, 13990-13996	3.8	7
48	Calorimetry of explosive thermal decomposition of graphite oxide. *Journal of Hazardous Materials*, **2019**, 366, 275-281	12.8	7
47	Dielectric Barrier Discharge Applicator for Heating Carbon Nanotube-Loaded Interfaces and Enhancing 3D-Printed Bond Strength. *Nano Letters*, **2020**, 20, 2310-2315	11.5	6
46	Dynamics of chiral liquid crystals under applied shear. *Liquid Crystals*, **2013**, 40, 846-853	2.3	6
45	Rheological phase diagrams for nonhomogeneous flows of rodlike liquid crystalline polymers. *Journal of Non-Newtonian Fluid Mechanics*, **2009**, 157, 34-43	2.7	6
44	Nonhomogeneous shear flow in concentrated liquid-crystalline solutions. *Physics of Fluids*, **2007**, 19, 111702	4.1	6
43	Scalable Production of Graphene Nanoplatelets for Energy Storage. *ACS Applied Nano Materials*, **2020**, 3, 10303-10309	5.6	6
42	Radio Frequency Driven Heating of Catalytic Reactors for Portable Green Chemistry. *Advanced Sustainable Systems*, **2020**, 4, 2000095	5.9	6
41	Universal patterns of radio-frequency heating in nanomaterial-loaded structures. *Applied Materials Today*, **2021**, 23, 101044	6.6	6
40	The effect of bending stiffness on scaling laws for the size of colloidal nanosheets. *Nanotechnology*, **2016**, 27, 235702	3.4	6
39	Electronic and Optical Property Control of Polycation/MXene Layer-by-Layer Assemblies with Chemically Diverse MXenes. *Langmuir*, **2021**, 37, 11338-11350	4	6
38	Photodegradation of dispersants in colloidal suspensions of pristine graphene. *Journal of Colloid and Interface Science*, **2016**, 466, 425-31	9.3	5
37	Initial stage of spinodal decomposition in a rigid-rod system. *Journal of Chemical Physics*, **2007**, 126, 034903	3.9	5
36	Site-Specific Selective Bending of Actuators using Radio Frequency Heating. *Advanced Engineering Materials*, **2021**, 23, 2000873	3.5	5
35	Spray-On Reduced Graphene Oxide-Poly(vinyl alcohol) Supercapacitors for Flexible Energy and Power. *Advanced Materials Interfaces*, **2018**, 5, 1801237	4.6	5
34	Isotropic–nematic phase separation and demixing in mixtures of spherical nanoparticles with length-polydisperse nanorods. *Journal of Polymer Science, Part B: Polymer Physics*, **2012**, 50, 1321-1327	2.6	4
33	Water-dispersible Ti3C2Tz MXene nanosheets by molten salt etching. *IScience*, **2021**, 24, 103403	6.1	4
32	Chiral Structure Formation during Casting of Cellulose Nanocrystalline Films. *Langmuir*, **2020**, 36, 4975-4984	4	4

31	Flocculation of MXenes and Their Use as 2D Particle Surfactants for Capsule Formation. *Langmuir*, **2021**, 37, 2649-2657	4	4
30	Graphene reflux: improving the yield of liquid-exfoliated nanosheets through repeated separation techniques. *Nanotechnology*, **2016**, 27, 505601	3.4	3
29	Melt Electrospinning Polyethylene Fibers in Inert Atmosphere. *Macromolecular Materials and Engineering*, **2020**, 305, 2000106	3.9	3
28	Kinetics of carbon nanotube-loaded epoxy curing: Rheometry, differential scanning calorimetry, and radio frequency heating. *Carbon*, **2021**, 175, 1-10	10.4	3
27	Detection and quantification of free carbon nanotubes in abraded polymer nanocomposites using UV□is spectroscopy. *NanoImpact*, **2019**, 16, 100190	5.6	3
26	Radio frequency heating and material processing using carbon susceptors. *Nanoscale Advances*, **2021**, 3, 5255-5264	5.1	3
25	Theoretical analysis of the stabilization of graphene nanosheets by means of strongly polarized pyrene derivatives. *Chemical Physics*, **2019**, 527, 110468	2.3	2
24	Wire Melt Electrospun Polymer Nanocomposite Fibers as Radio Frequency Responsive Heaters. *ACS Applied Polymer Materials*, **2019**, 1, 2751-2759	4.3	2
23	Rapid Manufacturing via Selective Radio-Frequency Heating and Curing of Thermosetting Resins. *Advanced Engineering Materials*,2101351	3.5	2
22	Synthesis and Electronic Applications of Particle-Templated TiCT MXene-Polymer Films via Pickering Emulsion Polymerization. *ACS Applied Materials & Interfaces*, **2021**, 13, 51556-51566	9.5	2
21	Carbon Additive-Free Crumpled Ti3C2TX MXene-Encapsulated Silicon Nanoparticle Anodes for Lithium-Ion Batteries. *ACS Applied Energy Materials*, **2021**, 4, 10762-10773	6.1	2
20	Highly selective laser-induced graphene (LIG)/polysulfone composite membrane for hydrogen purification. *Applied Materials Today*, **2021**, 22, 100971	6.6	2
19	High-density polyethylene reinforced by low loadings of electrochemically exfoliated graphene via melt recirculation approach. *Journal of Applied Polymer Science*, **2021**, 138, 50448	2.9	2
18	Interparticle interactions and rheological signatures of TiCT MXene dispersions. *Journal of Colloid and Interface Science*, **2022**, 605, 120-128	9.3	2
17	Non-destructive technique for broadband characterization of carbon nanotubes at microwave frequencies. *Journal of Electromagnetic Waves and Applications*, **2013**, 27, 1372-1381	1.3	1
16	Spinodal decomposition and nematic coarsening in a rigid-rod solution. *Journal of Non-Newtonian Fluid Mechanics*, **2009**, 161, 30-36	2.7	1
15	High-shear treatment of single-walled carbon nanotube□superacid solutions as a pre-processing technique for the assembly of fibres and films. *Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems*, **2008**, 222, 101-109		1
14	Mechanics of nanoscale crumpled graphene measured by Atomic Force Microscopy. *Extreme Mechanics Letters*, **2020**, 40, 100873	3.9	1

13	Radio Frequency Heating Response of Polyacrylonitrile (PAN) Films and Nanofiber Mats. *ACS Applied Polymer Materials*, **2021**, 3, 3125-3130	4.3	1
12	Using Radio-Frequency Fields for Local Heating and Curing of Adhesive for Bonding Metals. *Advanced Engineering Materials*, **2021**, 23, 2100210	3.5	1
11	Radio Frequency Dielectric Characterization and Processing of Polymers Containing Nanomaterial Susceptors **2019**,		1
10	Water-Dispersible Ti 3C 2T z MXene Nanosheets by Acid-Free, Molten Salt Etching. *SSRN Electronic Journal*,	1	1
9	Radio frequency heating of PEDOT:PSS. *Polymer*, **2021**, 230, 124077	3.9	1
8	Controlling and Characterizing Anisotropic Nanomaterial Dispersion **2017**, 65-99		1
7	Rapid Synthesis of Patterned Silicon Carbide Coatings Using Laser-Induced Pyrolysis and Crystallization of Polycarbosilane. *Advanced Engineering Materials*,2101383	3.5	0
6	Graphene signatures: Identifying graphite and graphene grades via radio frequency heating. *Carbon* , **2021**, 182, 564-570	10.4	0
5	Anion Identity and Time Scale Affect the Cation Insertion Energy Storage Mechanism in Ti3C2Tx MXene Multilayers. *ACS Energy Letters*, **2022**, 7, 1828-1834	20.1	0
4	Energy Conversion: Radio Frequency Driven Heating of Catalytic Reactors for Portable Green Chemistry (Adv. Sustainable Syst. 11/2020). *Advanced Sustainable Systems*, **2020**, 4, 2070024	5.9	
3	In-Situ Temperature-Dependent Dielectric Characterization of Nanocomposites Heated with RF Energy. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 1-1	5.2	
2	Mechanical and Barrier Properties of BromoButyl Elastomers Filled with Electrochemically Exfoliated Graphene. *Macromolecular Materials and Engineering*, **2021**, 306, 2100153	3.9	
1	Safer carbon nanotube processing expands industrial and consumer applications.. *Science Advances*, **2022**, 8, eabq4853	14.3	