Micah Green

List of Publications by Year
in descending order

160 papers	9,042 citations	43973 48 h-index	45213 90 g-index
164 all docs	164 docs citations	164 times ranked	10957 citing authors

#	Article	IF	Citations
1	Spontaneous high-concentration dispersions and liquid crystals of graphene. Nature Nanotechnology, 2010, 5, 406-411.	15.6	532
2	True solutions of single-walled carbon nanotubes for assembly into macroscopic materials. Nature Nanotechnology, 2009, 4, 830-834.	15.6	486
3	Electrochemical etching of Ti₂AlC to Ti₂CT_x (MXene) in low-concentration hydrochloric acid solution. Journal of Materials Chemistry A, 2017, 5, 21663-21668.	5.2	445
4	Antioxidants Unlock Shelf-Stable Ti3C2T (MXene) Nanosheet Dispersions. Matter, 2019, 1, 513-526.	5.0	436
5	Dispersions of Non-Covalently Functionalized Graphene with Minimal Stabilizer. ACS Nano, 2012, 6, 8857-8867.	7.3	330
6	Oxidation stability of Ti3C2Tx MXene nanosheets in solvents and composite films. Npj 2D Materials and Applications, 2019, 3, .	3.9	312
7	Template-free 3D titanium carbide (Ti₃C₂T_x) MXene particles crumpled by capillary forces. Chemical Communications, 2017, 53, 400-403.	2.2	271
8	Polymer-stabilized graphene dispersions at high concentrations in organic solvents for composite production. Carbon, 2012, 50, 526-534.	5.4	262
9	Carbon nanotube-based neat fibers. Nano Today, 2008, 3, 24-34.	6.2	255
10	Surface-agnostic highly stretchable and bendable conductive MXene multilayers. Science Advances, 2018, 4, eaaq0118.	4.7	229
11	Welding of 3D-printed carbon nanotubeâ€“polymer composites by locally induced microwave heating. Science Advances, 2017, 3, e1700262.	4.7	214
12	Interaction of carbon nanohorns with plants: Uptake and biological effects. Carbon, 2015, 81, 607-619.	5.4	196
13	Nanotubes as polymers. Polymer, 2009, 50, 4979-4997.	1.8	182
14	Water Sorption in MXene/Polyelectrolyte Multilayers for Ultrafast Humidity Sensing. ACS Applied Nano Materials, 2019, 2, 948-955.	2.4	173
15	Highâ€Performance Pristine Graphene/Epoxy Composites With Enhanced Mechanical and Electrical Properties. Macromolecular Materials and Engineering, 2013, 298, 339-347.	1.7	156
16	High-yield scalable graphene nanosheet production from compressed graphite using electrochemical exfoliation. Scientific Reports, 2018, 8, 14525.	1.6	146
17	An evaluation of the impact of multiwalled carbon nanotubes on soil microbial community structure and functioning. Journal of Hazardous Materials, 2013, 261, 188-197.	6.5	137
18	Spontaneous Dissolution of Ultralong Single- and Multiwalled Carbon Nanotubes. ACS Nano, 2010, 4, 3969-3978.	7.3	124

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19	Challenges in Liquidâ€Phase Exfoliation, Processing, and Assembly of Pristine Graphene. Advanced Materials, 2016, 28, 8796-8818.	11.1	123
20	Rheology and Morphology of Pristine Graphene/Polyacrylamide Gels. ACS Applied Materials & Interfaces, 2013, 5, 8633-8640.	4.0	120
21	Translocation, trophic transfer, accumulation and depuration of polystyrene microplastics in Daphnia magna and Pimephales promelas. Environmental Pollution, 2020, 259, 113937.	3.7	115
22	Effects of carbon-based nanomaterials on seed germination, biomass accumulation and salt stress response of bioenergy crops. PLoS ONE, 2018, 13, e0202274.	1.1	106
23	Localized In situ Polymerization on Graphene Surfaces for Stabilized Graphene Dispersions. ACS Applied Materials & Interfaces, 2011, 3, 1844-1851.	4.0	104
24	Sorption of three common nonsteroidal anti-inflammatory drugs (NSAIDs) to microplastics. Science of the Total Environment, 2020, 715, 136974.	3.9	103
25	Non-covalent functionalization of pristine few-layer graphene using triphenylene derivatives for conductive poly (vinyl alcohol) composites. Polymer, 2012, 53, 2485-2494.	1.8	101
26	pH, Nanosheet Concentration, and Antioxidant Affect the Oxidation of Ti₃C₂T_x and Ti₂CT_x MXene Dispersions. Advanced Materials Interfaces, 2020, 7, 2000845.	1.9	99
27	Process Safety Analysis for Ti₃C₂T_x MXene Synthesis and Processing. Industrial & Engineering Chemistry Research, 2019, 58, 1570-1579.	1.8	89
28	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, 11599-11604.	3.3	87
29	Acute and reproductive toxicity of nano-sized metal oxides (ZnO and TiO2) to earthworms (Eisenia) Tj ETQq1 1 0.784314 rgBT /Overl	2.1	84
30	Tailored Crumpling and Unfolding of Sprayâ€Dried Pristine Graphene and Graphene Oxide Sheets. Small, 2015, 11, 2661-2668.	5.2	78
31	ReaxFF Simulations of Laser-Induced Graphene (LIG) Formation for Multifunctional Polymer Nanocomposites. ACS Applied Nano Materials, 2020, 3, 1881-1890.	2.4	76
32	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
33	Detection of carbon nanotubes in biological samples through microwave-induced heating. Carbon, 2012, 50, 4441-4449.	5.4	71
34	Liquid phase exfoliation and crumpling of inorganic nanosheets. Physical Chemistry Chemical Physics, 2015, 17, 9383-9393.	1.3	71
35	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.	1.2	66
36	Highly Multifunctional Dopamine-Functionalized Reduced Graphene Oxide Supercapacitors. Matter, 2019, 1, 1532-1546.	5.0	66

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37	Analysis and measurement of carbon nanotube dispersions: nanodispersion versus macrodispersion. Polymer International, 2010, 59, 1319-1322.	1.6	65
38	Diameter-Dependent Solubility of Single-Walled Carbon Nanotubes. ACS Nano, 2010, 4, 3063-3072.	7.3	65
39	Vertical transport and plant uptake of nanoparticles in a soil mesocosm experiment. Journal of Nanobiotechnology, 2016, 14, 40.	4.2	64
40	Rapid curing and additive manufacturing of thermoset systems using scanning microwave heating of carbon nanotube/epoxy composites. Carbon, 2017, 120, 447-453.	5.4	61
41	Multiwalled Carbon Nanotubes Dramatically Affect the Fruit Metabolome of Exposed Tomato Plants. ACS Applied Materials & Interfaces, 2017, 9, 32430-32435.	4.0	61
42	Water-dispersible Ti3C2Tz MXene nanosheets by molten salt etching. IScience, 2021, 24, 103403.	1.9	60
43	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.	3.9	59
44	Relationship of Extensional Viscosity and Liquid Crystalline Transition to Length Distribution in Carbon Nanotube Solutions. Macromolecules, 2016, 49, 681-689.	2.2	57
45	Mobility of polyaromatic hydrocarbons (PAHs) in soil in the presence of carbon nanotubes. Ecotoxicology and Environmental Safety, 2013, 96, 168-174.	2.9	56
46	Radio Frequency Heating of Carbon Nanotube Composite Materials. ACS Applied Materials & Interfaces, 2018, 10, 27252-27259.	4.0	52
47	Direct exfoliation of graphene in ionic liquids with aromatic groups. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 463, 63-69.	2.3	51
48	Electrospinning of polymer nanofibers loaded with noncovalently functionalized graphene. Journal of Applied Polymer Science, 2013, 128, 4040-4046.	1.3	49
49	Annealed Ti₃C₂T_z MXene Films for Oxidation-Resistant Functional Coatings. ACS Applied Nano Materials, 2020, 3, 10578-10585.	2.4	49
50	Improvement of Commercially Valuable Traits of Industrial Crops by Application of Carbon-based Nanomaterials. Scientific Reports, 2019, 9, 19358.	1.6	46
51	Aqueous Exfoliation of Graphite into Graphene Assisted by Sulfonyl Graphene Quantum Dots for Photonic Crystal Applications. ACS Applied Materials & Interfaces, 2017, 9, 30797-30804.	4.0	42
52	Carbon nanotubes affect early growth, flowering time and phytohormones in tomato. Chemosphere, 2020, 256, 127042.	4.2	41
53	Performance enhancement of dye-sensitized solar cells by incorporating graphene sheets of various sizes. Applied Surface Science, 2014, 314, 638-641.	3.1	39
54	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

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55	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.	2.2	38
56	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.	5.2	38
57	Layer-by-Layer Assembly of Polyaniline Nanofibers and MXene Thin-Film Electrodes for Electrochemical Energy Storage. ACS Applied Materials & Interfaces, 2019, 11, 47929-47938.	4.0	38
58	Aramid nanofiber-reinforced three-dimensional graphene hydrogels for supercapacitor electrodes. Journal of Colloid and Interface Science, 2020, 560, 581-588.	5.0	38
59	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.	1.7	37
60	Determination of uptake, accumulation, and stress effects in corn (Zea mays L.) grown in single-wall carbon nanotube contaminated soil. Chemosphere, 2016, 152, 117-122.	4.2	37
61	Stiff and Transparent Multilayer Thin Films Prepared Through Hydrogenâ€Bonding Layerâ€byâ€Layer Assembly of Graphene and Polymer. Advanced Functional Materials, 2016, 26, 2143-2149.	7.8	36
62	One-step hydrothermal synthesis of porous Ti₃C₂T_z MXene/rGO gels for supercapacitor applications. Nanoscale, 2021, 13, 16543-16553.	2.8	36
63	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, 560-567.	3.9	33
64	Heating of Ti3C2Tx MXene/polymer composites in response to Radio Frequency fields. Scientific Reports, 2019, 9, 16489.	1.6	32
65	New insights into the flow and microstructural relaxation behavior of biphasic cellulose nanocrystal dispersions from RheoSANS. Soft Matter, 2017, 13, 8451-8462.	1.2	30
66	Synthesizing MXene Nanosheets by Water-free Etching. CheM, 2020, 6, 544-546.	5.8	30
67	Adsorption and removal of graphene dispersants. Journal of Colloid and Interface Science, 2015, 446, 282-289.	5.0	29
68	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
69	Ultralow Percolation Threshold in Aerogel and Cryogel Templated Composites. Langmuir, 2013, 29, 11449-11456.	1.6	28
70	Ignition sensitivity and electrical conductivity of an aluminum fluoropolymer reactive material with carbon nanofillers. Combustion and Flame, 2015, 162, 1417-1421.	2.8	28
71	Radio Frequency Heating of Laser-Induced Graphene on Polymer Surfaces for Rapid Welding. ACS Applied Nano Materials, 2019, 2, 7032-7042.	2.4	28
72	Cosolvents as Liquid Surfactants for Boron Nitride Nanosheet (BNNS) Dispersions. Langmuir, 2016, 32, 11591-11599.	1.6	24

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73	Graphene Oxide Liquid Crystal Domains: Quantification and Role in Tailoring Viscoelastic Behavior. ACS Nano, 2019, 13, 8957-8969.	7.3	24
74	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
75	Continuous processing of pre-pregs using radio frequency heating. Composites Science and Technology, 2020, 195, 108211.	3.8	24
76	Radio frequency heating and material processing using carbon susceptors. Nanoscale Advances, 2021, 3, 5255-5264.	2.2	24
77	Tunable dispersibility and wettability of graphene oxide through one-pot functionalization and reduction. Journal of Colloid and Interface Science, 2019, 552, 771-780.	5.0	23
78	Radio frequency heating of metallic and semiconducting single-walled carbon nanotubes. Nanoscale, 2019, 11, 9617-9625.	2.8	22
79	Oxidative Stability of Nb_{n+1}C_nT_z MXenes. Journal of Physical Chemistry C, 2021, 125, 13990-13996.	1.5	21
80	Synthesis and Electronic Applications of Particle-Templated Ti₃C₂T_zMXeneâ€“Polymer Films via Pickering Emulsion Polymerization. ACS Applied Materials & Interfaces, 2021, 13, 51556-51566.	4.0	21
81	Carbon Additive-Free Crumpled Ti₃C₂T_X MXene-Encapsulated Silicon Nanoparticle Anodes for Lithium-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 10762-10773.	2.5	20
82	Radio Frequency and Microwave Heating of Preceramic Polymer Nanocomposites with Applications in Moldâ€Free Processing. Advanced Engineering Materials, 2019, 21, 1900276.	1.6	19
83	Local heating and curing of carbon nanocomposite adhesives using radio frequencies. Journal of Manufacturing Processes, 2020, 58, 436-442.	2.8	19
84	Electronic and Optical Property Control of Polycation/MXene Layer-by-Layer Assemblies with Chemically Diverse MXenes. Langmuir, 2021, 37, 11338-11350.	1.6	19
85	Interparticle interactions and rheological signatures of Ti3C2Tz MXene dispersions. Journal of Colloid and Interface Science, 2022, 605, 120-128.	5.0	19
86	Cryogenicâ€temperature electron microscopy direct imaging of carbon nanotubes and graphene solutions in superacids. Journal of Microscopy, 2015, 259, 16-25.	0.8	18
87	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.	4.6	18
88	Wire Melt Electrospinning of Thin Polymeric Fibers via Strong Electrostatic Field Gradients. Macromolecular Materials and Engineering, 2019, 304, 1800417.	1.7	18
89	Minimizing two-dimensional Ti₃C₂T_x MXene nanosheet loading in carbon-free silicon anodes. Nanoscale, 2020, 12, 20699-20709.	2.8	18
90	Structural reduced graphene oxide supercapacitors mechanically enhanced with tannic acid. Sustainable Energy and Fuels, 2020, 4, 2301-2308.	2.5	18

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91	Kinetics of carbon nanotube-loaded epoxy curing: Rheometry, differential scanning calorimetry, and radio frequency heating. Carbon, 2021, 175, 1-10.	5.4	18
92	Flocculation of MXenes and Their Use as 2D Particle Surfactants for Capsule Formation. Langmuir, 2021, 37, 2649-2657.	1.6	17
93	Thermal Stability and Flammability Studies of MXeneâ€“Organic Hybrid Polystyrene Nanocomposites. Polymers, 2022, 14, 1213.	2.0	17
94	Extending the excluded volume for percolation threshold estimates in polydisperse systems: The binary disk system. Applied Mathematical Modelling, 2017, 46, 116-125.	2.2	16
95	A Novel Approach for Melt Electrospinning of Polymer Fibers. Procedia Manufacturing, 2018, 26, 205-208.	1.9	16
96	The Role of Antioxidant Structure in Mitigating Oxidation in Ti₃C₂T_x and Ti₂CT_x MXenes. Advanced Materials Interfaces, 2022, 9, .	1.9	16
97	Radio frequency heating and reduction of Graphene Oxide and Graphene Oxide - Polyvinyl Alcohol Composites. Carbon, 2020, 169, 475-481.	5.4	15
98	Comparison of Nanoarchitecture to Porous Media Diffusion Models in Reduced Graphene Oxide/Aramid Nanofiber Electrodes for Supercapacitors. ACS Nano, 2020, 14, 5314-5323.	7.3	15
99	Dielectric Barrier Discharge Applicator for Heating Carbon Nanotube-Loaded Interfaces and Enhancing 3D-Printed Bond Strength. Nano Letters, 2020, 20, 2310-2315.	4.5	15
100	Assessment of length and bundle distribution of dilute singleâ€walled carbon nanotubes by viscosity measurements. AICHE Journal, 2014, 60, 1499-1508.	1.8	14
101	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.	1.8	14
102	Lightweight Kevlarâ€Reinforced Graphene Oxide Architectures with High Strength for Energy Storage. Advanced Materials Interfaces, 2019, 6, 1900786.	1.9	14
103	Graphene Oxide Synthesis: Reaction Calorimetry and Safety. Industrial & Engineering Chemistry Research, 2020, 59, 9004-9014.	1.8	14
104	Joule heating of carbon pixels for on-demand thermal patterning. Carbon, 2021, 174, 518-523.	5.4	14
105	Conformal Layer-by-Layer Assembly of Ti₃C₂T_z MXene-Only Thin Films for Optoelectronics and Energy Storage. Chemistry of Materials, 2022, 34, 4884-4895.	3.2	14
106	Brownian dynamics simulations of nanosheet solutions under shear. Journal of Chemical Physics, 2014, 141, 024905.	1.2	13
107	Designer stabilizer for preparation of pristine graphene/polysiloxane films and networks. Nanoscale, 2014, 6, 11722-11731.	2.8	13
108	Modeling of downstream heating in melt electrospinning of polymers. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 1393-1405.	2.4	13

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109	High-throughput screening of printed carbon nanotube circuits using radio frequency heating. Carbon, 2019, 152, 444-450.	5.4	13
110	Calorimetry of explosive thermal decomposition of graphite oxide. Journal of Hazardous Materials, 2019, 366, 275-281.	6.5	13
111	Direct imaging of carbon nanotubes spontaneously filled with solvent. Chemical Communications, 2011, 47, 1228-1230.	2.2	12
112	Graphene non-covalently tethered with magnetic nanoparticles. Carbon, 2014, 72, 192-199.	5.4	12
113	Distinguishing Self-Assembled Pyrene Structures from Exfoliated Graphene. Langmuir, 2016, 32, 10699-10704.	1.6	12
114	Gradient Films of Pristine Graphene/Pyrene-Functional Copolymers with Janus Electrical Properties. ACS Applied Materials & Interfaces, 2016, 8, 31813-31821.	4.0	12
115	Tailored Network Formation in Graphene Oxide Gels. Langmuir, 2018, 34, 8550-8559.	1.6	12
116	Universal patterns of radio-frequency heating in nanomaterial-loaded structures. Applied Materials Today, 2021, 23, 101044.	2.3	12
117	Sprayâ€On Reduced Graphene Oxideâ€Poly(vinyl alcohol) Supercapacitors for Flexible Energy and Power. Advanced Materials Interfaces, 2018, 5, 1801237.	1.9	11
118	Orientation Relaxation Dynamics in Cellulose Nanocrystal Dispersions in the Chiral Liquid Crystalline Phase. Langmuir, 2018, 34, 13274-13282.	1.6	11
119	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.	1.8	11
120	Scalable Production of Graphene Nanoplatelets for Energy Storage. ACS Applied Nano Materials, 2020, 3, 10303-10309.	2.4	11
121	Electrical current stimulated desorption of carbon dioxide adsorbed on graphene based structures. RSC Advances, 2016, 6, 43401-43407.	1.7	10
122	Ultrafast and Highly Localized Microwave Heating in Carbon Nanotube Multilayer Thin Films. Advanced Materials Interfaces, 2017, 4, 1700371.	1.9	10
123	Using Radioâ€Frequency Fields for Local Heating and Curing of Adhesive for Bonding Metals. Advanced Engineering Materials, 2021, 23, 2100210.	1.6	10
124	Rapid Manufacturing via Selective Radioâ€Frequency Heating and Curing of Thermosetting Resins. Advanced Engineering Materials, 2022, 24, .	1.6	9
125	Dynamics of chiral liquid crystals under applied shear. Liquid Crystals, 2013, 40, 846-853.	0.9	8
126	Brownian dynamics simulation of twoâ€dimensional nanosheets under biaxial extensional flow. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 1247-1253.	2.4	8

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127	Photodegradation of dispersants in colloidal suspensions of pristine graphene. Journal of Colloid and Interface Science, 2016, 466, 425-431.	5.0	8
128	Radio Frequency Driven Heating of Catalytic Reactors for Portable Green Chemistry. Advanced Sustainable Systems, 2020, 4, 2000095.	2.7	8
129	Computation of the nonhomogeneous equilibrium states of a rigid-rod solution. Journal of Chemical Physics, 2006, 125, 214906.	1.2	7
130	Nonhomogeneous shear flow in concentrated liquid-crystalline solutions. Physics of Fluids, 2007, 19, .	1.6	7
131	Siteâ€Specific Selective Bending of Actuators using Radio Frequency Heating. Advanced Engineering Materials, 2021, 23, 2000873.	1.6	7
132	Rheological phase diagrams for nonhomogeneous flows of rodlike liquid crystalline polymers. Journal of Non-Newtonian Fluid Mechanics, 2009, 157, 34-43.	1.0	6
133	The effect of bending stiffness on scaling laws for the size of colloidal nanosheets. Nanotechnology, 2016, 27, 235702.	1.3	6
134	Wire Melt Electrospun Polymer Nanocomposite Fibers as Radio Frequency Responsive Heaters. ACS Applied Polymer Materials, 2019, 1, 2751-2759.	2.0	6
135	Chiral Structure Formation during Casting of Cellulose Nanocrystalline Films. Langmuir, 2020, 36, 4975-4984.	1.6	6
136	Sustainable production of graphene from petroleum coke using electrochemical exfoliation. Npj 2D Materials and Applications, 2021, 5, .	3.9	6
137	Radio frequency heating of PEDOT:PSS. Polymer, 2021, 230, 124077.	1.8	6
138	Initial stage of spinodal decomposition in a rigid-rod system. Journal of Chemical Physics, 2007, 126, 034903.	1.2	5
139	Theoretical analysis of the stabilization of graphene nanosheets by means of strongly polarized pyrene derivatives. Chemical Physics, 2019, 527, 110468.	0.9	5
140	Highly selective laser-induced graphene (LIG)/polysulfone composite membrane for hydrogen purification. Applied Materials Today, 2021, 22, 100971.	2.3	5
141	Radio Frequency Heating Response of Polyacrylonitrile (PAN) Films and Nanofiber Mats. ACS Applied Polymer Materials, 2021, 3, 3125-3130.	2.0	5
142	Graphene signatures: Identifying graphite and graphene grades via radio frequency heating. Carbon, 2021, 182, 564-570.	5.4	5
143	Isotropicâ€“nematic phase separation and demixing in mixtures of spherical nanoparticles with lengthâ€polydisperse nanorods. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 1321-1327.	2.4	4
144	Graphene reflux: improving the yield of liquid-exfoliated nanosheets through repeated separation techniques. Nanotechnology, 2016, 27, 505601.	1.3	4

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145	Detection and quantification of free carbon nanotubes in abraded polymer nanocomposites using UVâ€“vis spectroscopy. NanoImpact, 2019, 16, 100190.	2.4	4
146	Highâ€density polyethylene reinforced by low loadings of electrochemically exfoliated graphene via melt recirculation approach. Journal of Applied Polymer Science, 2021, 138, 50448.	1.3	4
147	Rapid Synthesis of Patterned Silicon Carbide Coatings Using Laserâ€Induced Pyrolysis and Crystallization of Polycarbosilane. Advanced Engineering Materials, 2022, 24, .	1.6	4
148	Anion Identity and Time Scale Affect the Cation Insertion Energy Storage Mechanism in Ti₃C₂T_x MXene Multilayers. ACS Energy Letters, 2022, 7, 1828-1834.	8.8	4
149	Melt Electrospinning Polyethylene Fibers in Inert Atmosphere. Macromolecular Materials and Engineering, 2020, 305, 2000106.	1.7	3
150	Mechanics of nanoscale crumpled graphene measured by Atomic Force Microscopy. Extreme Mechanics Letters, 2020, 40, 100873.	2.0	2
151	High-shear treatment of single-walled carbon nanotubeâ€”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.	0.1	1
152	Spinodal decomposition and nematic coarsening in a rigid-rod solution. Journal of Non-Newtonian Fluid Mechanics, 2009, 161, 30-36.	1.0	1
153	Non-destructive technique for broadband characterization of carbon nanotubes at microwave frequencies. Journal of Electromagnetic Waves and Applications, 2013, 27, 1372-1381.	1.0	1
154	Radio Frequency Dielectric Characterization and Processing of Polymers Containing Nanomaterial Susceptors. , 2019, , .		1
155	Water-Dispersible Ti ₃C ₂T _z MXene Nanosheets by Acid-Free, Molten Salt Etching. SSRN Electronic Journal, 0, , .	0.4	1
156	Phase Transitions of a Rigid-Rod Solution in a Thin Slit. Journal of Computational and Theoretical Nanoscience, 2010, 7, 693-699.	0.4	0
157	Energy Conversion: Radio Frequency Driven Heating of Catalytic Reactors for Portable Green Chemistry (Adv. Sustainable Syst. 11/2020). Advanced Sustainable Systems, 2020, 4, 2070024.	2.7	0
158	Mechanical and Barrier Properties of Bromoâ€“Butyl Elastomers Filled with Electrochemically Exfoliated Graphene. Macromolecular Materials and Engineering, 2021, 306, 2100153.	1.7	0
159	In Situ Temperature-Dependent Dielectric Characterization of Nanocomposites Heated With RF Energy. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-8.	2.4	0
160	Safer carbon nanotube processing expands industrial and consumer applications. Science Advances, 2022, 8, eabq4853.	4.7	0