

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.

124 papers	6,981 citations	49 h-index	80 g-index
126 ext. papers	7,841 ext. citations	6.6 avg, IF	5.96 L-index

#	Paper	IF	Citations
124	Ultra-stable zinc-ion batteries by suppressing vanadium dissolution via multiple ion-bonded vanadate cathodes. <i>Applied Physics Reviews</i> , 2022 , 9, 011416	17.3	0
123	Flexible, mechanically robust, multifunctional and sustainable cellulose/graphene nanocomposite films for wearable human-motion monitoring. <i>Composites Science and Technology</i> , 2022 , 109451	8.6	2
122	3D printing interface-modified PDMS/MXene nanocomposites for stretchable conductors. <i>Journal of Materials Science and Technology</i> , 2022 , 117, 174-182	9.1	3
121	Effect of graphene nanoplatelets on water absorption and impact resistance of fibre-metal laminates under varying environmental conditions. <i>Composite Structures</i> , 2021 , 281, 114977	5.3	4
120	A comparative study of polymer nanocomposites containing multi-walled carbon nanotubes and graphene nanoplatelets. <i>Nano Materials Science</i> , 2021 ,	10.2	2
119	Preparation of antimonene nanosheets and their thermoelectric nanocomposites. <i>Composites Communications</i> , 2021 , 28, 100968	6.7	0
118	Durable cement/cellulose nanofiber composites prepared by a facile approach. <i>Cement and Concrete Composites</i> , 2021 , 125, 104321	8.6	2
117	Highly sensitive and flexible capacitive elastomeric sensors for compressive strain measurements. <i>Materials Today Communications</i> , 2021 , 26, 102023	2.5	2
116	Maximized crystal water content and charge-shielding effect in layered vanadate render superior aqueous zinc-ion battery. <i>Materials Today Energy</i> , 2021 , 100757	7	8
115	Recent advances in carbon-based nanomaterials for flame retardant polymers and composites. <i>Composites Part B: Engineering</i> , 2021 , 212, 108675	10	38
114	Epoxy/graphene nanocomposites prepared by in-situ microwaving. <i>Carbon</i> , 2021 , 177, 271-281	10.4	7
113	Mechanically robust, highly sensitive and superior cycling performance nanocomposite strain sensors using 3-nm thick graphene platelets. <i>Polymer Testing</i> , 2021 , 98, 107178	4.5	12
112	Cement nanocomposites containing montmorillonite nanosheets modified with surfactants of various chain lengths. <i>Cement and Concrete Composites</i> , 2021 , 116, 103894	8.6	9
111	Stretchable, mechanically resilient, and high electromagnetic shielding polymer/MXene nanocomposites. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50509	2.9	7
110	Cementitious composites containing alum sludge ash: An investigation of microstructural features by an advanced nanoindentation technology. <i>Construction and Building Materials</i> , 2021 , 299, 124286	6.7	10
109	Combining hydrophilic MXene nanosheets and hydrophobic carbon nanotubes for mechanically resilient and electrically conductive elastomer nanocomposites. <i>Composites Science and Technology</i> , 2021 , 214, 108997	8.6	6
108	Recent progress in the development of thermal interface materials: a review. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 753-776	3.6	19

107	Comparative Study of Nanocarbon-Based Flexible Multifunctional Composite Electrodes. <i>ACS Omega</i> , 2021 , 6, 2526-2541	3.9	5
106	In situ modification of BiVO nanosheets on graphene for boosting photocatalytic water oxidation. <i>Nanoscale</i> , 2020 , 12, 14853-14862	7.7	15
105	Stretchable and calibratable graphene sensors for accurate strain measurement. <i>Materials Advances</i> , 2020 , 1, 235-243	3.3	13
104	Multifunctional, durable and highly conductive graphene/sponge nanocomposites. <i>Nanotechnology</i> , 2020 , 31, 465502	3.4	11
103	Elastomer nanocomposites containing MXene for mechanical robustness and electrical and thermal conductivity. <i>Nanotechnology</i> , 2020 , 31, 315715	3.4	18
102	Electrically and thermally conductive elastomer by using MXene nanosheets with interface modification. <i>Chemical Engineering Journal</i> , 2020 , 397, 125439	14.7	27
101	A new method for preparation of functionalized graphene and its epoxy nanocomposites. <i>Composites Part B: Engineering</i> , 2020 , 196, 108096	10	30
100	A facile approach to the scalable preparation of thermoplastic/carbon nanotube composites. <i>Nanotechnology</i> , 2020 , 31, 195706	3.4	5
99	Hydrogen Bonding-Reinforced Hydrogel Electrolyte for Flexible, Robust, and All-in-One Supercapacitor with Excellent Low-Temperature Tolerance. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 37977-37985	9.5	41
98	Noncovalent Modification of Boron Nitride Nanosheets for Thermally Conductive, Mechanically Resilient Epoxy Nanocomposites. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 20701-20710	3.9	12
97	Low-temperature, rapid preparation of functionalized graphene platelets. <i>Composites Communications</i> , 2020 , 22, 100500	6.7	4
96	Graphene platelets versus phosphorus compounds for elastomeric composites: flame retardancy, mechanical performance and mechanisms. <i>Nanotechnology</i> , 2019 , 30, 385703	3.4	20
95	A Path Beyond Metal and Silicon: Polymer/Nanomaterial Composites for Stretchable Strain Sensors. <i>Advanced Functional Materials</i> , 2019 , 29, 1806306	15.6	88
94	Assembly of MnO/CNC/rGO fibers from colloidal liquid crystal for flexible supercapacitors via a continuous one-process method. <i>Nanotechnology</i> , 2019 , 30, 465702	3.4	14
93	Superior removal of Hg (II) ions from wastewater using hierarchically porous, functionalized carbon. <i>Journal of Hazardous Materials</i> , 2019 , 371, 33-41	12.8	30
92	High electrochemical cycling performance through accurately inheriting hierarchical porous structure from bagasse. <i>Journal of Energy Storage</i> , 2019 , 22, 60-67	7.8	6
91	High-mass loading electrodes with exceptional areal capacitance and cycling performance through a hierarchical network of MnO ₂ nanoflakes and conducting polymer gel. <i>Journal of Power Sources</i> , 2019 , 412, 655-663	8.9	21
90	High-Performance Microsupercapacitors Based on Bioinspired Graphene Microfibers. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 10157-10164	9.5	30

89	Conducting Fe_2O_3 nanorod/polyaniline/CNT gel framework for high performance anodes towards supercapacitors. <i>Composites Science and Technology</i> , 2018 , 156, 231-237	8.6	35
88	Flexible, mechanically resilient carbon nanotube composite films for high-efficiency electromagnetic interference shielding. <i>Carbon</i> , 2018 , 136, 387-394	10.4	58
87	Development of flame-retarding elastomeric composites with high mechanical performance. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 109, 257-266	8.4	18
86	Compact, flexible conducting polymer/graphene nanocomposites for supercapacitors of high volumetric energy density. <i>Composites Science and Technology</i> , 2018 , 160, 50-59	8.6	43
85	Thermal Degradation and Fire Properties of Fungal Mycelium and Mycelium - Biomass Composite Materials. <i>Scientific Reports</i> , 2018 , 8, 17583	4.9	45
84	Graphene Platelets and Their Polymer Composites: Fabrication, Structure, Properties, and Applications. <i>Advanced Functional Materials</i> , 2018 , 28, 1706705	15.6	127
83	A chiral smectic structure assembled from nanosheets and nanorods. <i>Chemical Communications</i> , 2017 , 53, 1868-1871	5.8	23
82	Hierarchical architecture for flexible energy storage. <i>Nanoscale</i> , 2017 , 9, 6686-6694	7.7	13
81	Cellulose Nanocrystals/Polyacrylamide Composites of High Sensitivity and Cycling Performance To Gauge Humidity. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 18231-18237	9.5	57
80	Development of flexible supercapacitors using an inexpensive graphene/PEDOT/MnO ₂ sponge composite. <i>Materials and Design</i> , 2017 , 125, 1-10	8.1	47
79	Near-Infrared Triggered Stimulus-Responsive Photonic Crystals with Hierarchical Structures. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 34279-34285	9.5	13
78	A bioinspired poly(N-isopropylacrylamide)/silver nanocomposite as a photonic crystal with both optical and thermal responses. <i>Nanoscale</i> , 2017 , 9, 12969-12975	7.7	24
77	Graphene for flame-retarding elastomeric composite foams having strong interface. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 101, 254-264	8.4	24
76	Free-standing, flexible, electrically conductive epoxy/graphene composite films. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 92, 42-50	8.4	61
75	Novel polyacrylamide hydrogels by highly conductive, water-processable graphene. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 93, 1-9	8.4	22
74	Highly Sensitive, Wearable, Durable Strain Sensors and Stretchable Conductors Using Graphene/Silicon Rubber Composites. <i>Advanced Functional Materials</i> , 2016 , 26, 7614-7625	15.6	272
73	Aerogels based on carbon nanomaterials. <i>Journal of Materials Science</i> , 2016 , 51, 9157-9189	4.3	61
72	Compressible, electrically conductive, fibre-like, three-dimensional PEDOT-based composite aerogels towards energy storage applications. <i>Composites Science and Technology</i> , 2016 , 127, 36-46	8.6	18

71	Electrically conductive, mechanically robust, pH-sensitive graphene/polymer composite hydrogels. <i>Composites Science and Technology</i> , 2016 , 127, 119-126	8.6	80
70	PEDOT-based composites as electrode materials for supercapacitors. <i>Nanotechnology</i> , 2016 , 27, 042001	3.4	87
69	Influences of doping Cr/Fe/Ta on the performance of Ni/CeO ₂ catalyst under microwave irradiation in dry reforming of CH ₄ . <i>Journal of Solid State Chemistry</i> , 2016 , 233, 166-177	3.3	22
68	Cost-Effective Three-Dimensional Graphene/Ag Aerogel Composite for High-Performance Sensing. <i>Electrochimica Acta</i> , 2016 , 205, 70-76	6.7	34
67	Graphene oxide and hyperbranched polymer-toughened hydrogels with improved absorption properties and durability. <i>Journal of Materials Science</i> , 2015 , 50, 3457-3466	4.3	31
66	Elastomeric composites based on carbon nanomaterials. <i>Nanotechnology</i> , 2015 , 26, 112001	3.4	95
65	Porphyrin-based graphene oxide frameworks with ultra-large d-spacings for the electrocatalyzation of oxygen reduction reaction. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 19538-45	3.6	32
64	Free-standing composite hydrogel films for superior volumetric capacitance. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15668-15674	13	60
63	Bioinspired Carbon/SnO ₂ Composite Anodes Prepared from a Photonic Hierarchical Structure for Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11146-54	9.5	37
62	Bioinspired Thermoresponsive Photonic Polymers with Hierarchical Structures and Their Unique Properties. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 1722-8	4.8	13
61	Nanosheets Co ₃ O ₄ Interleaved with Graphene for Highly Efficient Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 21373-80	9.5	87
60	Improving the through-thickness thermal and electrical conductivity of carbon fibre/epoxy laminates by exploiting synergy between graphene and silver nano-inclusions. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015 , 69, 72-82	8.4	144
59	Implication of multi-walled carbon nanotubes on polymer/graphene composites. <i>Materials & Design</i> , 2015 , 65, 690-699		87
58	Facile Fabrication of Graphene Membranes with Readily Tunable Structures. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 13745-57	9.5	32
57	Epoxy nanocomposites containing magnetite-carbon nanofibers aligned using a weak magnetic field. <i>Polymer</i> , 2015 , 68, 25-34	3.9	75
56	High-performance supercapacitors using graphene/polyaniline composites deposited on kitchen sponge. <i>Nanotechnology</i> , 2015 , 26, 075702	3.4	35
55	One-pot synthesis of carbon nanotube/graphene hybrids via syngas production. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 1418-1428	13	52
54	Nanosilica-toughened polymer adhesives. <i>Materials & Design</i> , 2014 , 61, 75-86		36

53	Development of polymer composites using modified, high-structural integrity graphene platelets. <i>Composites Science and Technology</i> , 2014 , 91, 82-90	8.6	113
52	Fe ₂ O ₃ /TiO ₂ photocatalyst of hierarchical structure for H ₂ production from water under visible light irradiation. <i>Microporous and Mesoporous Materials</i> , 2014 , 190, 10-16	5.3	43
51	Electrically and thermally conductive elastomer/graphene nanocomposites by solution mixing. <i>Polymer</i> , 2014 , 55, 201-210	3.9	187
50	Tailoring the Morphology of g-C ₃ N ₄ by Self-Assembly towards High Photocatalytic Performance. <i>ChemCatChem</i> , 2014 , 6, 3419-3425	5.2	100
49	High photocatalytic performance by engineering Bi ₂ WO ₆ nanoneedles onto graphene sheets. <i>RSC Advances</i> , 2014 , 4, 27963-27970	3.7	18
48	A high-performance Bi ₂ WO ₆ -graphene photocatalyst for visible light-induced H ₂ and O ₂ generation. <i>Nanoscale</i> , 2014 , 6, 2186-93	7.7	168
47	Effect of interface modification on PMMA/graphene nanocomposites. <i>Journal of Materials Science</i> , 2014 , 49, 5838-5849	4.3	27
46	Superior H ₂ production by hydrophilic ultrafine Ta ₂ O ₅ engineered covalently on graphene. <i>Nanotechnology</i> , 2014 , 25, 215401	3.4	15
45	Processable 3-nm thick graphene platelets of high electrical conductivity and their epoxy composites. <i>Nanotechnology</i> , 2014 , 25, 125707	3.4	96
44	A new approach to nanoporous graphene sheets via rapid microwave-induced plasma for energy applications. <i>Nanotechnology</i> , 2014 , 25, 495604	3.4	18
43	Toughening polymer adhesives using nanosized elastomeric particles. <i>Journal of Materials Research</i> , 2014 , 29, 665-674	2.5	25
42	A Facile Fabrication of Fe ₃ O ₄ /Graphene Nanosheets for Lithium-Ion Battery. <i>Science of Advanced Materials</i> , 2014 , 6, 283-289	2.3	8
41	A novel approach to electrically and thermally conductive elastomers using graphene. <i>Polymer</i> , 2013 , 54, 3663-3670	3.9	112
40	Simple fabrication of a Fe ₂ O ₃ /carbon composite for use in a high-performance lithium ion battery. <i>Carbon</i> , 2013 , 52, 565-573	10.4	112
39	Employing a novel bioelastomer to toughen polylactide. <i>Polymer</i> , 2013 , 54, 2450-2458	3.9	76
38	Covalently bonded interfaces for polymer/graphene composites. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 4255	13	150
37	Sonochemical fabrication of Fe ₃ O ₄ nanoparticles on reduced graphene oxide for biosensors. <i>Ultrasonics Sonochemistry</i> , 2013 , 20, 872-80	8.9	125
36	Melt compounding with graphene to develop functional, high-performance elastomers. <i>Nanotechnology</i> , 2013 , 24, 165601	3.4	106

35	Controlled fabrication of Si nanoparticles on graphene sheets for Li-ion batteries. <i>RSC Advances</i> , 2013 , 3, 6141	3.7	62
34	Relations between carbon nanotubes length and their composites mechanical and functional performance. <i>Polymer</i> , 2013 , 54, 2158-2165	3.9	44
33	Bioinspired fabrication of hierarchically structured, pH-tunable photonic crystals with unique transition. <i>ACS Nano</i> , 2013 , 7, 4911-8	16.7	91
32	N-doped porous carbon with magnetic particles formed in situ for enhanced Cr(VI) removal. <i>Water Research</i> , 2013 , 47, 4188-97	12.5	155
31	Effect of surface modification of lead zirconate titanate particles on the properties of piezoelectric composite sensors 2013 ,		1
30	A facile approach to fabricate elastomer/graphene platelets nanocomposites 2013 ,		1
29	Design and Preparation of a Novel Cross-Linkable, High Molecular Weight, and Bio-Based Elastomer by Emulsion Polymerization. <i>Macromolecules</i> , 2012 , 45, 6830-6839	5.5	70
28	Synthesis and Characterization of Novel Soybean-Oil-Based Elastomers with Favorable Processability and Tunable Properties. <i>Macromolecules</i> , 2012 , 45, 9010-9019	5.5	104
27	From carbon nanotubes and silicate layers to graphene platelets for polymer nanocomposites. <i>Nanoscale</i> , 2012 , 4, 4578-86	7.7	159
26	A Facile Approach to Chemically Modified Graphene and its Polymer Nanocomposites. <i>Advanced Functional Materials</i> , 2012 , 22, 2735-2743	15.6	211
25	Fabrication, Structure and Properties of Epoxy/Metal Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2011 , 296, 465-474	3.9	49
24	Interface-tuned epoxy/clay nanocomposites. <i>Polymer</i> , 2011 , 52, 497-504	3.9	70
23	Epoxy/graphene platelets nanocomposites with two levels of interface strength. <i>Polymer</i> , 2011 , 52, 1603-1611	16.1	14
22	Improvement of adhesive toughness measurement. <i>Polymer Testing</i> , 2011 , 30, 243-250	4.5	26
21	A reactive polymer for toughening epoxy resin. <i>Journal of Applied Polymer Science</i> , 2010 , 115, 3265-3272	2.9	45
20	Structure-property relations of 55nm particle-toughened epoxy. <i>Polymer</i> , 2010 , 51, 4867-4879	3.9	93
19	Development of a novel toughener for epoxy resins. <i>Polymer International</i> , 2009 , 58, 838-845	3.3	49
18	New Method To Prepare Graphite Nanocomposites. <i>Chemistry of Materials</i> , 2008 , 20, 2066-2068	9.6	122

17	Effect of acid and TETA modification on mechanical properties of MWCNTs/epoxy composites. <i>Journal of Materials Science</i> , 2008 , 43, 2653-2658	4.3	53
16	Study of epoxy toughened by in situ formed rubber nanoparticles. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 304-312	2.9	75
15	Effect of inorganic nanoparticles on mechanical property, fracture toughness and toughening mechanism of two epoxy systems. <i>Polymer</i> , 2008 , 49, 3510-3523	3.9	200
14	Tribological properties of epoxy/rubber nanocomposites. <i>Tribology International</i> , 2008 , 41, 1205-1211	4.9	45
13	Development of SENB toughness measurement for thermoset resins. <i>Polymer Testing</i> , 2007 , 26, 445-450	4.5	48
12	Modification of starch for high performance elastomer. <i>Polymer</i> , 2006 , 47, 3896-3903	3.9	59
11	Reinforcement of Elastomer by Starch. <i>Macromolecular Materials and Engineering</i> , 2006 , 291, 629-637	3.9	43
10	Fabrication and Characterization of an Organic-Inorganic Gradient Surface made by Polymethylsilsesquioxane (PMSQ). <i>Macromolecular Rapid Communications</i> , 2006 , 27, 1603-1607	4.8	36
9	Facile Synthesis and Assembly of Cu ₂ S Nanodisks to Corncoblike Nanostructures. <i>Chemistry of Materials</i> , 2006 , 18, 5156-5158	9.6	65
8	A New Strategy to Exfoliate Silicone Rubber/Clay Nanocomposites. <i>Macromolecular Rapid Communications</i> , 2005 , 26, 830-833	4.8	58
7	Effects of heat and pressure on intercalation structures of isobutylene-isoprene rubber/clay nanocomposites. I. Prepared by melt blending. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005 , 43, 2653-2664	2.6	29
6	A Novel Approach to High Performance Elastomer by Using Clay. <i>Macromolecular Rapid Communications</i> , 2004 , 25, 1692-1696	4.8	103
5	A Novel Method for Preparation of Disorderly Exfoliated Epoxy/Clay Nanocomposite. <i>Chemistry of Materials</i> , 2004 , 16, 757-759	9.6	89
4	A new approach to polymer/montmorillonite nanocomposites. <i>Polymer</i> , 2003 , 44, 4619-4624	3.9	177
3	Multiple melting and crystallization of nylon-66/montmorillonite nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 2861-2869	2.6	54
2	Pyrolysis of polymethylsilsesquioxane. <i>Journal of Applied Polymer Science</i> , 2002 , 85, 1077-1086	2.9	45
1	Synthesis and structure of polymethylsilsesquioxane/clay nanocomposite via in situ intercalative polymerization. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 3708-3711	2.9	15