

Sherif Araby

List of Publications by Citations

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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.

58
papers

2,006
citations

24
h-index

44
g-index

60
ext. papers

2,403
ext. citations

4.8
avg. IF

5.17
L-index

#	Paper	IF	Citations
58	A Facile Approach to Chemically Modified Graphene and its Polymer Nanocomposites. <i>Advanced Functional Materials</i> , 2012 , 22, 2735-2743	15.6	211
57	Electrically and thermally conductive elastomer/graphene nanocomposites by solution mixing. <i>Polymer</i> , 2014 , 55, 201-210	3.9	187
56	Graphene Platelets and Their Polymer Composites: Fabrication, Structure, Properties, and Applications. <i>Advanced Functional Materials</i> , 2018 , 28, 1706705	15.6	127
55	A novel approach to electrically and thermally conductive elastomers using graphene. <i>Polymer</i> , 2013 , 54, 3663-3670	3.9	112
54	Melt compounding with graphene to develop functional, high-performance elastomers. <i>Nanotechnology</i> , 2013 , 24, 165601	3.4	106
53	Elastomeric composites based on carbon nanomaterials. <i>Nanotechnology</i> , 2015 , 26, 112001	3.4	95
52	Implication of multi-walled carbon nanotubes on polymer/graphene composites. <i>Materials & Design</i> , 2015 , 65, 690-699		87
51	Mechanical and electrical properties of graphene and carbon nanotube reinforced epoxy adhesives: Experimental and numerical analysis. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 120, 116-126	8.4	81
50	Electrically conductive, mechanically robust, pH-sensitive graphene/polymer composite hydrogels. <i>Composites Science and Technology</i> , 2016 , 127, 119-126	8.6	80
49	Aerogels based on carbon nanomaterials. <i>Journal of Materials Science</i> , 2016 , 51, 9157-9189	4.3	61
48	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
47	Mechanical, toughness and thermal properties of 2D material- reinforced epoxy composites. <i>Polymer</i> , 2019 , 184, 121884	3.9	45
46	From clay to graphene for polymer nanocomposites—survey. <i>Journal of Polymer Research</i> , 2014 , 21, 1	2.7	45
45	Performance analysis of wire electrochemical turning process—BSM approach. <i>International Journal of Advanced Manufacturing Technology</i> , 2011 , 53, 181-190	3.2	45
44	Real-time cure behaviour monitoring of polymer composites using a highly flexible and sensitive CNT buckypaper sensor. <i>Composites Science and Technology</i> , 2017 , 152, 181-189	8.6	41
43	Synergistic effect of graphene and carbon nanotube on lap shear strength and electrical conductivity of epoxy adhesives. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 48056	2.9	40
42	Thermally and electrically conductive multifunctional sensor based on epoxy/graphene composite. <i>Nanotechnology</i> , 2020 , 31, 075702	3.4	39

41	Recent advances in carbon-based nanomaterials for flame retardant polymers and composites. <i>Composites Part B: Engineering</i> , 2021 , 212, 108675	10	38
40	A facile approach to fabricate highly sensitive, flexible strain sensor based on elastomeric/graphene platelet composite film. <i>Journal of Materials Science</i> , 2019 , 54, 10856-10870	4.3	35
39	Mechanically robust, electrically and thermally conductive graphene-based epoxy adhesives. <i>Journal of Adhesion Science and Technology</i> , 2019 , 33, 1337-1356	2	33
38	Interface modification of clay and graphene platelets reinforced epoxy nanocomposites: a comparative study. <i>Journal of Materials Science</i> , 2014 , 49, 5856-5865	4.3	31
37	Effect of interface modification on PMMA/graphene nanocomposites. <i>Journal of Materials Science</i> , 2014 , 49, 5838-5849	4.3	27
36	Electrically and thermally conductive elastomer by using MXene nanosheets with interface modification. <i>Chemical Engineering Journal</i> , 2020 , 397, 125439	14.7	27
35	Toughening polymer adhesives using nanosized elastomeric particles. <i>Journal of Materials Research</i> , 2014 , 29, 665-674	2.5	25
34	Epoxy/graphene film for lifecycle self-sensing and multifunctional applications. <i>Composites Science and Technology</i> , 2020 , 198, 108312	8.6	24
33	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
32	An integrated framework of statistical process control and design of experiments for optimizing wire electrochemical turning process. <i>International Journal of Advanced Manufacturing Technology</i> , 2011 , 53, 191-207	3.2	22
31	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
30	Graphene platelets versus phosphorus compounds for elastomeric composites: flame retardancy, mechanical performance and mechanisms. <i>Nanotechnology</i> , 2019 , 30, 385703	3.4	20
29	Study on the wire electrochemical groove turning process. <i>Journal of Applied Electrochemistry</i> , 2011 , 41, 161-171	2.6	19
28	Filling natural microtubules with triphenyl phosphate for flame-retarding polymer composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 115, 247-254	8.4	19
27	Elastomer nanocomposites containing MXene for mechanical robustness and electrical and thermal conductivity. <i>Nanotechnology</i> , 2020 , 31, 315715	3.4	18
26	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
25	Effect of carbon black loading on mechanical and rheological properties of natural rubber/styrene-butadiene rubber/nitrile butadiene rubber blends. <i>Journal of Thermoplastic Composite Materials</i> , 2021 , 34, 490-507	1.9	18
24	Effect of sample size on the performance of Shewhart control charts. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 90, 1177-1185	3.2	14

23	The effects of bolted joints on dynamic response of structures. <i>IOP Conference Series: Materials Science and Engineering</i> , 2013 , 50, 012018	0.4	13
22	Superior piezoelectric composite films: taking advantage of carbon nanomaterials. <i>Nanotechnology</i> , 2014 , 25, 045501	3.4	11
21	Influence of Interface on epoxy/clay Nanocomposites: 2. Mechanical and Thermal Dynamic Properties. <i>Procedia Manufacturing</i> , 2015 , 2, 23-27	1.5	11
20	Influence of Interface on epoxy/clay Nanocomposites: 1. Morphology Structure. <i>Procedia Manufacturing</i> , 2015 , 2, 17-22	1.5	10
19	Vibration Attenuation of Plate Using Multiple Vibration Absorbers. <i>MATEC Web of Conferences</i> , 2014 , 13, 03003	0.3	8
18	Study of Passive Vibration Absorbers Attached on Beam Structure. <i>Applied Mechanics and Materials</i> , 2014 , 660, 511-515	0.3	8
17	The Application of Multiple Vibration Neutralizers for Vibration Control in Aircraft. <i>Applied Mechanics and Materials</i> , 2014 , 629, 191-196	0.3	7
16	Vibration Characteristics of Composite Plate Embedded with Shape Memory Alloy at Elevated Temperature. <i>Applied Mechanics and Materials</i> , 2013 , 393, 655-660	0.3	7
15	Stretchable, mechanically resilient, and high electromagnetic shielding polymer/MXene nanocomposites. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50509	2.9	7
14	Grooves into cylindrical shapes by wire electrochemical machining. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 90, 445-455	3.2	6
13	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
12	Graphene/nanorubber reinforced electrically conductive epoxy composites with enhanced toughness. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50163	2.9	4
11	Accurate self-damage detection by electrically conductive epoxy/graphene nanocomposite film. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50452	2.9	3
10	A comparative study of polymer nanocomposites containing multi-walled carbon nanotubes and graphene nanoplatelets. <i>Nano Materials Science</i> , 2021 ,	10.2	2
9	A comparative study on mechanical and rheological properties of ternary rubber blends. <i>Polymers and Polymer Composites</i> , 2021 , 29, 15-28	0.8	2
8	Constitutive modelling of elastomer/graphene platelet nanocomposites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 244, 012016	0.4	1
7	A facile approach to fabricate elastomer/graphene platelets nanocomposites 2013 ,		1
6	Thermal conductivity and mechanical performance of hexagonal boron nitride nanosheets-based epoxy adhesives. <i>Nanotechnology</i> , 2021 , 32,	3.4	1

5	Non-oxidized graphene/metal composites by laser deposition additive manufacturing. <i>Journal of Alloys and Compounds</i> , 2021 , 882, 160724	5.7	1
4	Thermoelectric generator based on anisotropic wood aerogel for low-grade heat energy harvesting. <i>Journal of Materials Science and Technology</i> , 2022 , 120, 150-158	9.1	1
3	Multifunctional, flexible and mechanically resilient porous polyurea/graphene composite film. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 105, 549-549	6.3	0
2	Investigation on graphene addition on the quasi-static and dynamic responses of carbon fibre-reinforced metal laminates. <i>Thin-Walled Structures</i> , 2022 , 174, 109092	4.7	0
1	Effect of graphene on the mechanical and electrochemical properties of GLARE. <i>Journal of Adhesion Science and Technology</i> , 1-17	2	