

# Sherif Araby

## 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.

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	Investigation on graphene addition on the quasi-static and dynamic responses of carbon fibre-reinforced metal laminates. <i>Thin-Walled Structures</i> , <b>2022</b> , 174, 109092	4.7	0
57	Thermoelectric generator based on anisotropic wood aerogel for low-grade heat energy harvesting. <i>Journal of Materials Science and Technology</i> , <b>2022</b> , 120, 150-158	9.1	1
56	Multifunctional, flexible and mechanically resilient porous polyurea/graphene composite film. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 105, 549-549	6.3	0
55	A comparative study of polymer nanocomposites containing multi-walled carbon nanotubes and graphene nanoplatelets. <i>Nano Materials Science</i> , <b>2021</b> ,	10.2	2
54	Recent advances in carbon-based nanomaterials for flame retardant polymers and composites. <i>Composites Part B: Engineering</i> , <b>2021</b> , 212, 108675	10	38
53	Thermal conductivity and mechanical performance of hexagonal boron nitride nanosheets-based epoxy adhesives. <i>Nanotechnology</i> , <b>2021</b> , 32,	3.4	1
52	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> , <b>2021</b> , 34, 490-507	1.9	18
51	Graphene/nanorubber reinforced electrically conductive epoxy composites with enhanced toughness. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 50163	2.9	4
50	A comparative study on mechanical and rheological properties of ternary rubber blends. <i>Polymers and Polymer Composites</i> , <b>2021</b> , 29, 15-28	0.8	2
49	Accurate self-damage detection by electrically conductive epoxy/graphene nanocomposite film. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 50452	2.9	3
48	Stretchable, mechanically resilient, and high electromagnetic shielding polymer/MXene nanocomposites. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 50509	2.9	7
47	Combining hydrophilic MXene nanosheets and hydrophobic carbon nanotubes for mechanically resilient and electrically conductive elastomer nanocomposites. <i>Composites Science and Technology</i> , <b>2021</b> , 214, 108997	8.6	6
46	Non-oxidized graphene/metal composites by laser deposition additive manufacturing. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 882, 160724	5.7	1
45	Epoxy/graphene film for lifecycle self-sensing and multifunctional applications. <i>Composites Science and Technology</i> , <b>2020</b> , 198, 108312	8.6	24
44	Elastomer nanocomposites containing MXene for mechanical robustness and electrical and thermal conductivity. <i>Nanotechnology</i> , <b>2020</b> , 31, 315715	3.4	18
43	Electrically and thermally conductive elastomer by using MXene nanosheets with interface modification. <i>Chemical Engineering Journal</i> , <b>2020</b> , 397, 125439	14.7	27
42	Thermally and electrically conductive multifunctional sensor based on epoxy/graphene composite. <i>Nanotechnology</i> , <b>2020</b> , 31, 075702	3.4	39

41	A facile approach to fabricate highly sensitive, flexible strain sensor based on elastomeric/graphene platelet composite film. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 10856-10870	4.3	35
40	Graphene platelets versus phosphorus compounds for elastomeric composites: flame retardancy, mechanical performance and mechanisms. <i>Nanotechnology</i> , <b>2019</b> , 30, 385703	3.4	20
39	Synergistic effect of graphene and carbon nanotube on lap shear strength and electrical conductivity of epoxy adhesives. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 48056	2.9	40
38	Mechanically robust, electrically and thermally conductive graphene-based epoxy adhesives. <i>Journal of Adhesion Science and Technology</i> , <b>2019</b> , 33, 1337-1356	2	33
37	Mechanical, toughness and thermal properties of 2D material- reinforced epoxy composites. <i>Polymer</i> , <b>2019</b> , 184, 121884	3.9	45
36	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> , <b>2019</b> , 120, 116-126	8.4	81
35	High-mass loading electrodes with exceptional areal capacitance and cycling performance through a hierarchical network of MnO <sub>2</sub> nanoflakes and conducting polymer gel. <i>Journal of Power Sources</i> , <b>2019</b> , 412, 655-663	8.9	21
34	Development of flame-retarding elastomeric composites with high mechanical performance. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2018</b> , 109, 257-266	8.4	18
33	Filling natural microtubules with triphenyl phosphate for flame-retarding polymer composites. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2018</b> , 115, 247-254	8.4	19
32	Graphene Platelets and Their Polymer Composites: Fabrication, Structure, Properties, and Applications. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1706705	15.6	127
31	Constitutive modelling of elastomer/graphene platelet nanocomposites. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 244, 012016	0.4	1
30	Real-time cure behaviour monitoring of polymer composites using a highly flexible and sensitive CNT buckypaper sensor. <i>Composites Science and Technology</i> , <b>2017</b> , 152, 181-189	8.6	41
29	Graphene for flame-retarding elastomeric composite foams having strong interface. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2017</b> , 101, 254-264	8.4	24
28	Free-standing, flexible, electrically conductive epoxy/graphene composite films. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2017</b> , 92, 42-50	8.4	61
27	Grooves into cylindrical shapes by wire electrochemical machining. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2017</b> , 90, 445-455	3.2	6
26	Effect of sample size on the performance of Shewhart control charts. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2017</b> , 90, 1177-1185	3.2	14
25	Aerogels based on carbon nanomaterials. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 9157-9189	4.3	61
24	Electrically conductive, mechanically robust, pH-sensitive graphene/polymer composite hydrogels. <i>Composites Science and Technology</i> , <b>2016</b> , 127, 119-126	8.6	80

23	Elastomeric composites based on carbon nanomaterials. <i>Nanotechnology</i> , <b>2015</b> , 26, 112001	3-4	95
22	Implication of multi-walled carbon nanotubes on polymer/graphene composites. <i>Materials &amp; Design</i> , <b>2015</b> , 65, 690-699		87
21	Influence of Interface on epoxy/clay Nanocomposites: 2. Mechanical and Thermal Dynamic Properties. <i>Procedia Manufacturing</i> , <b>2015</b> , 2, 23-27	1.5	11
20	Influence of Interface on epoxy/clay Nanocomposites: 1. Morphology Structure. <i>Procedia Manufacturing</i> , <b>2015</b> , 2, 17-22	1.5	10
19	Superior piezoelectric composite films: taking advantage of carbon nanomaterials. <i>Nanotechnology</i> , <b>2014</b> , 25, 045501	3-4	11
18	From clay to graphene for polymer nanocomposites survey. <i>Journal of Polymer Research</i> , <b>2014</b> , 21, 1	2-7	45
17	Electrically and thermally conductive elastomer/graphene nanocomposites by solution mixing. <i>Polymer</i> , <b>2014</b> , 55, 201-210	3-9	187
16	Effect of interface modification on PMMA/graphene nanocomposites. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 5838-5849	4-3	27
15	Interface modification of clay and graphene platelets reinforced epoxy nanocomposites: a comparative study. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 5856-5865	4-3	31
14	Vibration Attenuation of Plate Using Multiple Vibration Absorbers. <i>MATEC Web of Conferences</i> , <b>2014</b> , 13, 03003	0-3	8
13	The Application of Multiple Vibration Neutralizers for Vibration Control in Aircraft. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 629, 191-196	0-3	7
12	Study of Passive Vibration Absorbers Attached on Beam Structure. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 660, 511-515	0-3	8
11	Toughening polymer adhesives using nanosized elastomeric particles. <i>Journal of Materials Research</i> , <b>2014</b> , 29, 665-674	2-5	25
10	A novel approach to electrically and thermally conductive elastomers using graphene. <i>Polymer</i> , <b>2013</b> , 54, 3663-3670	3-9	112
9	Melt compounding with graphene to develop functional, high-performance elastomers. <i>Nanotechnology</i> , <b>2013</b> , 24, 165601	3-4	106
8	The effects of bolted joints on dynamic response of structures. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2013</b> , 50, 012018	0-4	13
7	Vibration Characteristics of Composite Plate Embedded with Shape Memory Alloy at Elevated Temperature. <i>Applied Mechanics and Materials</i> , <b>2013</b> , 393, 655-660	0-3	7
6	A facile approach to fabricate elastomer/graphene platelets nanocomposites <b>2013</b> ,		1

5	A Facile Approach to Chemically Modified Graphene and its Polymer Nanocomposites. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 2735-2743	15.6	211
4	Study on the wire electrochemical groove turning process. <i>Journal of Applied Electrochemistry</i> , <b>2011</b> , 41, 161-171	2.6	19
3	Performance analysis of wire electrochemical turning process BSM approach. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2011</b> , 53, 181-190	3.2	45
2	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> , <b>2011</b> , 53, 191-207	3.2	22
1	Effect of graphene on the mechanical and electrochemical properties of GLARE. <i>Journal of Adhesion Science and Technology</i> , 1-17	2	