

Mohammad Arjmand

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6612611/mohammad-arjmand-publications-by-year.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

166
papers

4,272
citations

31
h-index

59
g-index

181
ext. papers

5,945
ext. citations

5.5
avg, IF

6.4
L-index

#	Paper	IF	Citations
166	Multilayer polymeric nanocomposite thin film heater and electromagnetic interference shield. <i>Chemical Engineering Journal</i> , 2022 , 435, 134598	14.7	0
165	Mechanical properties of bamboo fiber-reinforced polymer composites: a review of recent case studies. <i>Journal of Materials Science</i> , 2022 , 57, 3143-3167	4.3	14
164	High-resolution extrusion printing of Ti3C2-based inks for wearable human motion monitoring and electromagnetic interference shielding. <i>Carbon</i> , 2022 , 191, 277-289	10.4	6
163	Interfacial Assembly of Graphene Oxide: From Super Elastic Interfaces to Liquid-in-Liquid Printing. <i>Advanced Materials Interfaces</i> , 2022 , 9, 2101659	4.6	3
162	Differentiable detection of ethanol/methanol in biological fluids using prompt graphene-based electrochemical nanosensor coupled with catalytic complex of nickel oxide/8-hydroxyquinoline.. <i>Analytica Chimica Acta</i> , 2022 , 1194, 339407	6.6	0
161	Epoxy nanocomposite coating based on calcium zinc phosphate with dual active/barrier corrosion mitigation properties. <i>Progress in Organic Coatings</i> , 2022 , 163, 106677	4.8	0
160	Synergic effect of laser-assisted graphene with silver nanowire reinforced polyindole/polypyrrole toward superior energy density. <i>Carbon</i> , 2022 , 188, 276-288	10.4	2
159	Ultrasensitive early detection of insulin antibody employing novel electrochemical nano-biosensor based on controllable electro-fabrication process. <i>Talanta</i> , 2022 , 238, 122947	6.2	4
158	Interfacial Assembly of Graphene Oxide: From Super Elastic Interfaces to Liquid-in-Liquid Printing (Adv. Mater. Interfaces 6/2022). <i>Advanced Materials Interfaces</i> , 2022 , 9, 2270032	4.6	0
157	Structured Ultra-Flyweight Aerogels by Interfacial Complexation: Self-Assembly Enabling Multiscale Designs.. <i>Small</i> , 2022 , e2200220	11	0
156	In-depth study of mechanical properties of poly(lactic acid)/thermoplastic polyurethane/hydroxyapatite blend nanocomposites. <i>Journal of Materials Science</i> , 2022 , 57, 7250	4.3	4
155	Graphene oxide enhances thermal stability and microwave absorption/regeneration of a porous polymer.. <i>Journal of Hazardous Materials</i> , 2022 , 433, 128792	12.8	0
154	Coordination chemistry of metal-organic frameworks: Detection, adsorption, and photodegradation of tetracycline antibiotics and beyond. <i>Coordination Chemistry Reviews</i> , 2022 , 464, 214562	23.2	3
153	Cerium-doped tannic acid-reduced graphene oxide nanoplateform/epoxy nanocomposite coatings with enhanced mechanical and Bi-functional corrosion protection properties. <i>Composites Part B: Engineering</i> , 2022 , 109969	10	4
152	Efficient removal of heavy metal ions from aqueous media by unmodified and modified nanodiamonds. <i>Journal of Environmental Management</i> , 2022 , 316, 115214	7.9	2
151	Structured Ultra-Flyweight Aerogels by Interfacial Complexation: Self-Assembly Enabling Multiscale Designs (Small 20/2022). <i>Small</i> , 2022 , 18, 2270101	11	
150	A review of electrical and thermal conductivities of epoxy resin systems reinforced with carbon nanotubes and graphene-based nanoparticles. <i>Polymer Testing</i> , 2022 , 112, 107645	4.5	3

149	Multilayer Structures of a Zn _{0.5} Ni _{0.5} Fe ₂ O ₄ -Reduced Graphene Oxide/PVDF Nanocomposite for Tunable and Highly Efficient Microwave Absorbers. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 5514-5527	4	5
148	Antibody mounting capability of 1D/2D carbonaceous nanomaterials toward rapid-specific detection of SARS-CoV-2. <i>Talanta</i> , 2021 , 239, 123113	6.2	2
147	Graphene-Based Femtogram-Level Sensitive Molecularly Imprinted Polymer of SARS-CoV-2.. <i>Advanced Materials Interfaces</i> , 2021 , 2101466	4.6	5
146	UiO-66 metal-organic frameworks in water treatment: A critical review. <i>Progress in Materials Science</i> , 2021 , 125, 100904	42.2	13
145	Simultaneous electrochemical detection of Cd and Pb in aquatic samples via coupled graphene with brominated white polyaniline flakes. <i>European Polymer Journal</i> , 2021 , 162, 110926	5.2	5
144	Graphene oxide doped ethanol droplet combustion: Ignition delay and contribution of atomization to burning rate. <i>Combustion and Flame</i> , 2021 , 111748	5.3	1
143	Mechanical analysis of aligned carbon nanotube bundles under electric field. <i>International Journal of Mechanical Sciences</i> , 2021 , 196, 106289	5.5	2
142	Review of Bioprinting in Regenerative Medicine: Naturally Derived Bioinks and Stem Cells.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 4049-4070	4.1	2
141	Zinc-doped silica/polyaniline core/shell nanoparticles towards corrosion protection epoxy nanocomposite coatings. <i>Composites Part B: Engineering</i> , 2021 , 212, 108713	10	14
140	Epoxy nanocomposite coatings with enhanced dual active/barrier behavior containing graphene-based carbon hollow spheres as corrosion inhibitor nanoreservoirs. <i>Corrosion Science</i> , 2021 , 185, 109428	6.8	13
139	Electrospun chitosan/polyvinyl alcohol nanocomposite holding polyaniline/silica hybrid nanostructures: An efficient adsorbent of dye from aqueous solutions. <i>Journal of Molecular Liquids</i> , 2021 , 331, 115734	6	12
138	Decorated graphene oxide flakes with integrated complex of 8-hydroxyquinoline/NiO toward accurate detection of glucose at physiological conditions. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 893, 115303	4.1	6
137	Ethylenediamine-functionalized Zr-based MOF for efficient removal of heavy metal ions from water. <i>Chemosphere</i> , 2021 , 264, 128466	8.4	64
136	Adsorption performance of UiO-66 towards organic dyes: Effect of activation conditions. <i>Journal of Molecular Liquids</i> , 2021 , 321, 114487	6	16
135	Magnetic Fe ₃ O ₄ @UiO-66 nanocomposite for rapid adsorption of organic dyes from aqueous solution. <i>Journal of Molecular Liquids</i> , 2021 , 322, 114910	6	33
134	X-band dielectric properties of hybrid nanocomposites of nitrogen-doped carbon nanotube/functionalized nanoclay/polyvinylidene fluoride nanocomposite. <i>Polymer Composites</i> , 2021 , 42, 1034-1048	3	5
133	Aluminum-based metal-organic frameworks for adsorptive removal of anti-cancer (methotrexate) drug from aqueous solutions. <i>Journal of Environmental Management</i> , 2021 , 277, 111448	7.9	23
132	Enhanced active/barrier corrosion protective properties of epoxy coatings containing eco-friendly green inorganic/organic hybrid pigments based on zinc cations/ <i>Ferula Asafoetida</i> leaves. <i>Journal of Molecular Liquids</i> , 2021 , 323, 114584	6	5

131	Morphology Evolution, Molecular Simulation, Electrical Properties, and Rheology of Carbon Nanotube/Polypropylene/Polystyrene Blend Nanocomposites: Effect of Molecular Interaction between Styrene-Butadiene Block Copolymer and Carbon Nanotube. <i>Polymers</i> , 2021 , 13,	4.5	5
130	FeO@PAA@UiO-66-NH magnetic nanocomposite for selective adsorption of Quercetin. <i>Chemosphere</i> , 2021 , 275, 130087	8.4	11
129	Waste to Value-Added Product: Developing Electrically Conductive Nanocomposites Using a Non-Recyclable Plastic Waste Containing Vulcanized Rubber. <i>Polymers</i> , 2021 , 13,	4.5	1
128	Toxicity and remediation of pharmaceuticals and pesticides using metal oxides and carbon nanomaterials. <i>Chemosphere</i> , 2021 , 275, 130055	8.4	31
127	Amino-Functionalized MXene Nanosheets Doped with Ce(III) as Potent Nanocontainers toward Self-Healing Epoxy Nanocomposite Coating for Corrosion Protection of Mild Steel. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 42074-42093	9.5	12
126	Ultra-precise label-free nanosensor based on integrated graphene with Au nanostars toward direct detection of IgG antibodies of SARS-CoV-2 in blood. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 894, 115341	4.1	16
125	Reinforced polypyrrole with 2D graphene flakes decorated with interconnected nickel-tungsten metal oxide complex toward superiorly stable supercapacitor. <i>Chemical Engineering Journal</i> , 2021 , 418, 129396	14.7	15
124	Synthesis, Applications, and Prospects of Graphene Quantum Dots: A Comprehensive Review. <i>Small</i> , 2021 , e2102683	11	18
123	CO ₂ /CH ₄ separation by mixed-matrix membranes holding functionalized NH ₂ -MIL-101(Al) nanoparticles: Effect of amino-silane functionalization. <i>Chemical Engineering Research and Design</i> , 2021 , 176, 49-49	5.5	5
122	Toughening of epoxy resin systems using core-shell rubber particles: a literature review. <i>Journal of Materials Science</i> , 2021 , 56, 18345	4.3	12
121	Graphene oxide/polyaniline-based microwave split-ring resonator: A versatile platform towards ammonia sensing. <i>Journal of Hazardous Materials</i> , 2021 , 418, 126283	12.8	10
120	A novel electro-mechanical technique for efficient dispersion of carbon nanotubes in liquid media. <i>International Journal of Mechanical Sciences</i> , 2021 , 207, 106633	5.5	1
119	Simultaneous detection and removal of fluoride from water using smart metal-organic framework-based adsorbents. <i>Coordination Chemistry Reviews</i> , 2021 , 445, 214037	23.2	20
118	Influence of Graphene Oxide on Thermally Induced Shape Memory Behavior of PLA/TPU Blends: Correlation with Morphology, Creep Behavior, Crystallinity, and Dynamic Mechanical Properties. <i>Macromolecular Materials and Engineering</i> , 2021 , 306, 2000576	3.9	15
117	Xanthatin Induces Leishmanicidal Activity by Affecting Carbon Metabolism in Amastigotes. <i>Iranian Journal of Pharmaceutical Research</i> , 2021 , 20, 59-70	1.1	
116	Interface Bridging of Multiwalled Carbon Nanotubes in Polylactic Acid/Poly(butylene adipate-co-terephthalate): Morphology, Rheology, and Electrical Conductivity. <i>Macromolecules</i> , 2020 , 53, 10267-10277	5.5	13
115	Synthesis of core/shell-structured CaCu ₃ Ti ₄ O ₁₂ /SiO ₂ composites for effective degradation of rhodamine B under ultraviolet light. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 19587-19597	7.1	7
114	Application of amorphous silica nanoparticles in improving the rheological properties, filtration and shale stability of glycol-based drilling fluids. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 115, 104625	5.8	9

113	Superior chemical stability of UiO-66 metal-organic frameworks (MOFs) for selective dye adsorption. <i>Chemical Engineering Journal</i> , 2020 , 399, 125346	14.7	128
112	Microstructural design for enhanced mechanical property and shape memory behavior of polyurethane nanocomposites: Role of carbon nanotube, montmorillonite, and their hybrid fillers. <i>Polymer Testing</i> , 2020 , 89, 106642	4.5	23
111	Filler-Free Conducting Polymers as a New Class of Transparent Electromagnetic Interference Shields. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 28596-28606	9.5	25
110	Mechanical properties of extruded glass fiber reinforced thermoplastic polyolefin composites. <i>Polymer Composites</i> , 2020 , 41, 3748-3757	3	9
109	Photocatalytic Degradation of Organic Dye by Sol-Gel-Synthesized CaCu ₃ Ti ₄ O ₁₂ Powder. <i>Journal of Materials Engineering and Performance</i> , 2020 , 29, 2006-2014	1.6	9
108	Application of sustainable saffron purple petals as an eco-friendly green additive for drilling fluids: A rheological, filtration, morphological, and corrosion inhibition study. <i>Journal of Molecular Liquids</i> , 2020 , 315, 113707	6	24
107	Superior X-ray Radiation Shielding Effectiveness of Biocompatible Polyaniline Reinforced with Hybrid Graphene Oxide-Iron Tungsten Nitride Flakes. <i>Polymers</i> , 2020 , 12,	4.5	20
106	Influence of polypropylene and nanoclay on thermal and thermo-oxidative degradation of poly(lactide acid): TG-FTIR, TG-DSC studies and kinetic analysis. <i>Thermochimica Acta</i> , 2020 , 691, 178709	2.9	8
105	Effects of multiwall carbon nanotubes on dielectric and mechanical properties of CaCu ₃ Ti ₄ O ₁₂ composite. <i>Ceramics International</i> , 2020 , 46, 20313-20319	5.1	5
104	Highly Sensitive and Contactless Ammonia Detection Based on Nanocomposites of Phosphate-Functionalized Reduced Graphene Oxide/Polyaniline Immobilized on Microstrip Resonators. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 9746-9754	9.5	29
103	Nitrogen-Doped Carbon Nanotube/Polypropylene Composites with Negative Seebeck Coefficient. <i>Journal of Composites Science</i> , 2020 , 4, 14	3	10
102	Programing polyurethane with rational surface-modified graphene platelets for shape memory actuators and dielectric elastomer generators. <i>European Polymer Journal</i> , 2020 , 133, 109745	5.2	24
101	Facile one-pot synthesis of water-dispersible phosphate functionalized reduced graphene oxide toward high-performance energy storage devices. <i>Chemical Communications</i> , 2020 , 56, 1373-1376	5.8	26
100	On evaluation of thermophysical properties of transformer oil-based nanofluids: A comprehensive modeling and experimental study. <i>Journal of Molecular Liquids</i> , 2020 , 300, 112249	6	44
99	Effect of nitrogen doping on medium-amplitude oscillatory shear (MAOS) response of nanotube/polyvinylidene fluoride nanocomposites: Molecular simulations, rheology, and broadband electrical conductivity. <i>Journal of Rheology</i> , 2020 , 64, 1343-1356	4.1	
98	Nitrogen-doped carbon nanotubes towards electrochemical sensing: Effect of synthesis temperature. <i>Diamond and Related Materials</i> , 2020 , 110, 108093	3.5	3
97	Impact of scale, activation solvents, and aged conditions on gas adsorption properties of UiO-66. <i>Journal of Environmental Management</i> , 2020 , 274, 111155	7.9	17
96	Molecular-layer-deposited tincone: a new hybrid organic-inorganic anode material for three-dimensional microbatteries. <i>Chemical Communications</i> , 2020 , 56, 13221-13224	5.8	4

95	Intra-Cycle Elastic Nonlinearity of Nitrogen-Doped Carbon Nanotube/Polymer Nanocomposites under Medium Amplitude Oscillatory Shear (MAOS) Flow. <i>Nanomaterials</i> , 2020 , 10,	5.4	8
94	A Study of Synergy of Combination of Eosin B with Chloroquine, Artemisinin, and Sulphadoxine-Pyrimethamine on and. <i>Journal of Tropical Medicine</i> , 2020 , 2020, 3013701	2.4	1
93	Microstructure and Mechanical Behavior of CaCu ₃ Ti ₄ O ₁₂ Ceramics Hollow Fiber Prepared via Dry/Wet Spinning Method. <i>Materials Science Forum</i> , 2020 , 1010, 239-243	0.4	
92	Microstructural design for enhanced mechanical and shape memory performance of polyurethane nanocomposites: Role of hybrid nanofillers of montmorillonite and halloysite nanotube. <i>Applied Clay Science</i> , 2020 , 198, 105816	5.2	26
91	A review: silicate ceramic-polymer composite scaffold for bone tissue engineering. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020 , 1-16	3	6
90	The role of polycaprolactone-triol (PCL-T) in biomedical applications: A state-of-the-art review. <i>European Polymer Journal</i> , 2020 , 131, 109701	5.2	27
89	Effects of hybrid carbon-aramid fiber on performance of non-asbestos organic brake friction composites. <i>Wear</i> , 2020 , 452-453, 203280	3.5	20
88	Properties of talc filled reactor-made thermoplastic polyolefin composites. <i>Journal of Polymer Research</i> , 2019 , 26, 1	2.7	16
87	Simultaneous electrochemical-assisted exfoliation and in situ surface functionalization towards large-scale production of few-layer graphene. <i>FlatChem</i> , 2019 , 18, 100132	5.1	14
86	Cellulose nanocrystal structure in the presence of salts. <i>Cellulose</i> , 2019 , 26, 9387-9401	5.5	16
85	Structural Characterization of CVD Custom-Synthesized Carbon Nanotube/Polymer Nanocomposites in Large-Amplitude Oscillatory Shear (LAOS) Mode: Effect of Dispersion Characteristics in Confined Geometries. <i>Macromolecules</i> , 2019 , 52, 1489-1504	5.5	26
84	Carbon Nanotube versus Graphene Nanoribbon: Impact of Nanofiller Geometry on Electromagnetic Interference Shielding of Polyvinylidene Fluoride Nanocomposites. <i>Polymers</i> , 2019 , 11,	4.5	17
83	Nanocomposite of Nitrogen-Doped Graphene/Polyaniline for Enhanced Ammonia Gas Detection. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900552	4.6	19
82	Paraffin/CuO nanocomposites as phase change materials: Effect of surface modification of CuO. <i>Polymer Composites</i> , 2019 , 40, 4362-4370	3	4
81	Effect of Ar:N ₂ flow rate on morphology, optical and electrical properties of CCTO thin films deposited by RF magnetron sputtering. <i>Ceramics International</i> , 2019 , 45, 15077-15081	5.1	13
80	Graphene-based phase change composites for energy harvesting and storage: State of the art and future prospects. <i>Carbon</i> , 2019 , 148, 441-480	10.4	80
79	Synergistic effect of hybrid stainless steel fiber and carbon nanotube on mechanical properties and electromagnetic interference shielding of polypropylene nanocomposites. <i>Composites Part B: Engineering</i> , 2019 , 165, 662-670	10	52
78	Effect of WO ₃ loading on structural, electrical and dielectric properties of CaCu ₃ Ti ₄ O ₁₂ ceramic composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 6806-6810	2.1	3

77	Amino-silane-grafted NH-MIL-53(Al)/polyethersulfone mixed matrix membranes for CO/CH separation. <i>Dalton Transactions</i> , 2019 , 48, 13555-13566	4.3	24
76	Influence of annealing temperature on morphological and photocatalytic activity of sputter-coated CaCu ₃ Ti ₄ O ₁₂ thin film under ultraviolet light irradiation. <i>Ceramics International</i> , 2019 , 45, 20697-20703	5.1	16
75	Sensors/Biosensors: Nanocomposite of Nitrogen-Doped Graphene/Polyaniline for Enhanced Ammonia Gas Detection (Adv. Mater. Interfaces 16/2019). <i>Advanced Materials Interfaces</i> , 2019 , 6, 1970101	4.6	10
74	Effect of short carbon fiber on thermal, mechanical and tribological behavior of phenolic-based brake friction materials. <i>Composites Part B: Engineering</i> , 2019 , 168, 98-105	10	57
73	Frictional behavior of resin-based brake composites: Effect of carbon fibre reinforcement. <i>Wear</i> , 2019 , 420-421, 108-115	3.5	25
72	Electrical conductivity of electrospun nanofiber mats of polyamide 6/polyaniline coated with nitrogen-doped carbon nanotubes. <i>Materials and Design</i> , 2018 , 141, 333-341	8.1	28
71	Lead oxide-decorated graphene oxide/epoxy composite towards X-Ray radiation shielding. <i>Radiation Physics and Chemistry</i> , 2018 , 146, 77-85	2.5	42
70	Nanofibers of poly(vinylidene fluoride)/copper nanowire: Microstructural analysis and dielectric behavior. <i>European Polymer Journal</i> , 2018 , 101, 46-55	5.2	8
69	Ultrasound-assisted synthesis and characterization of magnetite nanoparticles and poly(methyl methacrylate)/magnetite nanocomposites. <i>Ultrasonics Sonochemistry</i> , 2018 , 43, 38-51	8.9	27
68	Effect of carbon nanotubes on electromagnetic interference shielding of carbon fiber reinforced polymer composites. <i>Polymer Composites</i> , 2018 , 39, E655-E663	3	23
67	Octadecyl Amine Functionalized Graphene Oxide towards Hydrophobic Chemical Resistant Epoxy Nanocomposites. <i>ChemistrySelect</i> , 2018 , 3, 7200-7207	1.8	23
66	Tunable Dielectric Properties Derived from Nitrogen-Doped Carbon Nanotubes in PVDF-Based Nanocomposites. <i>ACS Omega</i> , 2018 , 3, 9966-9980	3.9	12
65	Vapour and Solution Uptake Properties of Starch and Cellulose Biopolymers. <i>Journal of Geoscience and Environment Protection</i> , 2018 , 06, 101-117	0.3	4
64	Electrified single-walled carbon nanotube/epoxy nanocomposite via vacuum shock technique: Effect of alignment on electrical conductivity and electromagnetic interference shielding. <i>Polymer Composites</i> , 2018 , 39, E1139-E1148	3	30
63	Phase stability analysis on green methanol synthesis process from CO ₂ hydrogenation in water cooled, gas cooled and double cooled tubular reactors. <i>Fuel Processing Technology</i> , 2018 , 181, 375-387	7.2	11
62	Colloidal Behavior of Cellulose Nanocrystals in Presence of Sodium Chloride. <i>ChemistrySelect</i> , 2018 , 3, 4969-4978	1.8	19
61	Three-dimensional printing of highly conductive polymer nanocomposites for EMI shielding applications. <i>Materials Today Communications</i> , 2017 , 11, 112-118	2.5	97
60	Carbon nanotube induced double percolation in polymer blends: Morphology, rheology and broadband dielectric properties. <i>Polymer</i> , 2017 , 114, 122-134	3.9	80

59	Effect of Nanofiller Geometry on Network Formation in Polymeric Nanocomposites: Comparison of Rheological and Electrical Properties of Multiwalled Carbon Nanotube and Graphene Nanoribbon. <i>Macromolecules</i> , 2017 , 50, 3954-3967	5.5	53
58	Impact of synthesis temperature on morphology, rheology and electromagnetic interference shielding of CVD-grown carbon nanotube/polyvinylidene fluoride nanocomposites. <i>Synthetic Metals</i> , 2017 , 230, 39-50	3.6	36
57	Segregated Hybrid Poly(methyl methacrylate)/Graphene/Magnetite Nanocomposites for Electromagnetic Interference Shielding. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 14171-14179	9.5	222
56	Silver Nanowire/MnO Nanowire Hybrid Polymer Nanocomposites: Materials with High Dielectric Permittivity and Low Dielectric Loss. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 14328-14336	9.5	65
55	Significance of interfacial interaction and agglomerates on electrical properties of polymer-carbon nanotube nanocomposites. <i>Materials and Design</i> , 2017 , 125, 126-134	8.1	57
54	Carbon Nanotube/Graphene Nanoribbon/Polyvinylidene Fluoride Hybrid Nanocomposites: Rheological and Dielectric Properties. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 169-181	3.8	52
53	Tunable electrical conductivity of polystyrene/polyamide-6/carbon nanotube blend nanocomposites via control of morphology and nanofiller localization. <i>European Polymer Journal</i> , 2017 , 95, 418-429	5.2	33
52	Quantitative analysis of nanoscale electrical properties of CNT/PVDF nanocomposites by current sensing AFM. <i>RSC Advances</i> , 2017 , 7, 32564-32573	3.7	4
51	Effect of carbon nanotubes on morphology evolution of polypropylene/polystyrene blends: understanding molecular interactions and carbon nanotube migration mechanisms. <i>RSC Advances</i> , 2017 , 7, 54222-54234	3.7	11
50	Cobalt Catalyst Grown Carbon Nanotube/Poly(Vinylidene Fluoride) Nanocomposites: Effect of Synthesis Temperature on Morphology, Electrical Conductivity and Electromagnetic Interference Shielding. <i>ChemistrySelect</i> , 2017 , 2, 10271-10284	1.8	26
49	DC electrorheological response of polyethylene/organically modified layered silicate nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017 , 55, 1298-1309	2.6	3
48	Effects of garlic on brachial endothelial function and capacity of plasma to mediate cholesterol efflux in patients with coronary artery disease. <i>Anatolian Journal of Cardiology</i> , 2017 , 18, 116-121	0.8	9
47	Staging of colorectal cancer using serum metabolomics with HNMR Spectroscopy. <i>Iranian Journal of Basic Medical Sciences</i> , 2017 , 20, 835-840	1.8	13
46	Dielectric properties of multiwalled carbon nanotube/clay/polyvinylidene fluoride nanocomposites: Effect of clay incorporation. <i>Polymer Composites</i> , 2016 , 37, 161-167	3	27
45	Critical insights into understanding the effects of synthesis temperature and nitrogen doping towards charge storage capability and microwave shielding in nitrogen-doped carbon nanotube/polymer nanocomposites. <i>RSC Advances</i> , 2016 , 6, 63224-63234	3.7	17
44	Impact of BaTiO ₃ as insulative ferroelectric barrier on the broadband dielectric properties of MWCNT/PVDF nanocomposites. <i>Polymer Composites</i> , 2016 , 37, 299-304	3	29
43	Effect of synthesis catalyst on structure of nitrogen-doped carbon nanotubes and electrical conductivity and electromagnetic interference shielding of their polymeric nanocomposites. <i>Carbon</i> , 2016 , 98, 358-372	10.4	166
42	The Effect of Aqueous Extract of Cinnamon on the Metabolome of Plasmodium falciparum Using (1)HNMR Spectroscopy. <i>Journal of Tropical Medicine</i> , 2016 , 2016, 3174841	2.4	12

41	Nitrogen-Doped Carbon Nanotube/Polymer Nanocomposites Towards Thermoelectric Applications 2016 ,		1
40	Macromol. Mater. Eng. 5/2016. <i>Macromolecular Materials and Engineering</i> , 2016 , 301, 640-640	3.9	
39	Employing Nitrogen Doping as Innovative Technique to Improve Broadband Dielectric Properties of Carbon Nanotube/Polymer Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2016 , 301, 555-565	3.9	37
38	Effects of synthesis catalyst and temperature on broadband dielectric properties of nitrogen-doped carbon nanotube/polyvinylidene fluoride nanocomposites. <i>Carbon</i> , 2016 , 106, 260-278	10.4	84
37	Magnetic Mesoporous Photonic Cellulose Films. <i>Langmuir</i> , 2016 , 32, 9329-34	4	12
36	Assembling copper nanowires at the interface and in discrete phases in PLA-based polymer blends. <i>European Polymer Journal</i> , 2016 , 85, 187-197	5.2	11
35	Serum Metabolomic Profiling of Sulphur Mustard-Exposed Individuals Using (1)H Nuclear Magnetic Resonance Spectroscopy. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2016 , 118, 77-82	3.1	1
34	Effects of Nitrogen Doping on X-band Dielectric Properties of Carbon Nanotube/Polymer Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 17844-50	9.5	51
33	Outstanding electromagnetic interference shielding of silver nanowires: comparison with carbon nanotubes. <i>RSC Advances</i> , 2015 , 5, 56590-56598	3.7	66
32	Electromagnetic interference shielding of Nitrogen-doped and Undoped carbon nanotube/polyvinylidene fluoride nanocomposites: A comparative study. <i>Composites Science and Technology</i> , 2015 , 118, 257-263	8.6	60
31	NMR-based metabonomics survey in rats envenomed by Hemiscorpius lepturus venom. <i>Toxicon</i> , 2015 , 94, 16-22	2.8	7
30	Broadband dielectric properties of multiwalled carbon nanotube/polystyrene composites. <i>Polymer Engineering and Science</i> , 2015 , 55, 173-179	2.3	31
29	Investigation of Chaotic Mixing for MWCNT/Polymer Composites. <i>Macromolecular Materials and Engineering</i> , 2015 , 300, 482-496	3.9	10
28	A metabolic study on colon cancer using (1)h nuclear magnetic resonance spectroscopy. <i>Biochemistry Research International</i> , 2014 , 2014, 348712	2.4	20
27	Impact of foaming on the broadband dielectric properties of multi-walled carbon nanotube/polystyrene composites. <i>Journal of Cellular Plastics</i> , 2014 , 50, 551-562	1.5	25
26	Novel composites of copper nanowire/PVDF with superior dielectric properties. <i>Polymer</i> , 2014 , 55, 226-234	3.9	125
25	Culture of Borrelia persica and its flagellar antigen in vitro. <i>Pakistan Journal of Biological Sciences</i> , 2014 , 17, 190-7	0.8	3
24	The effect of ginger extract on glycoproteins of Raji cells. <i>Pakistan Journal of Biological Sciences</i> , 2014 , 17, 241-7	0.8	1

23	Synthesis and receptor binding studies of novel 4,4-disubstituted arylalkyl/arylalkylsulfonyl piperazine and piperidine-based derivatives as a new class of μ ligands. <i>European Journal of Medicinal Chemistry</i> , 2013 , 64, 488-97	6.8	17
22	An innovative method to reduce the energy loss of conductive filler/polymer composites for charge storage applications. <i>Composites Science and Technology</i> , 2013 , 78, 24-29	8.6	55
21	A metabolomic study on the effect of intravascular laser blood irradiation on type 2 diabetic patients. <i>Lasers in Medical Science</i> , 2013 , 28, 1527-32	3.1	24
20	Comparative study of electromagnetic interference shielding properties of injection molded versus compression molded multi-walled carbon nanotube/polystyrene composites. <i>Carbon</i> , 2012 , 50, 5126-5134	10.4	336
19	The electrical conductivity and electromagnetic interference shielding of injection molded multi-walled carbon nanotube/polystyrene composites. <i>Carbon</i> , 2012 , 50, 1455-1464	10.4	247
18	Efficacy of eosin B as a new antimalarial drug in a murine model. <i>Malaria Research and Treatment</i> , 2012 , 2012, 381724	2.5	3
17	Studies on the friction and wear characteristics of rubber-based friction materials containing carbon and cellulose fibers. <i>Journal of Materials Science</i> , 2011 , 46, 1890-1901	4.3	13
16	Tribological Characteristics of Rubber-Based Friction Materials. <i>Tribology Letters</i> , 2011 , 41, 325-336	2.8	11
15	Electrical and electromagnetic interference shielding properties of flow-induced oriented carbon nanotubes in polycarbonate. <i>Carbon</i> , 2011 , 49, 3430-3440	10.4	302
14	Early detection of immunization: a study based on an animal model using ^1H nuclear magnetic resonance spectroscopy. <i>Pakistan Journal of Biological Sciences</i> , 2011 , 14, 195-203	0.8	3
13	Nuclear magnetic resonance-based screening of thalassemia and quantification of some hematological parameters using chemometric methods. <i>Talanta</i> , 2010 , 81, 1229-36	6.2	18
12	Theoretical and experimental analysis of the thermal, fade and wear characteristics of rubber-based composite friction materials. <i>Wear</i> , 2010 , 269, 145-151	3.5	36
11	A review of recent progress in improving the fracture toughness of epoxy-based composites using carbonaceous nanofillers. <i>Polymer Composites</i> ,	3	6
10	Extrinsic toughening of recycled carbon fibers in polypropylene composites in the absence of plasticity penalty. <i>Journal of Composite Materials</i> ,002199832110680	2.7	2
9	Scalable manufacturing of flexible and highly conductive $\text{Ti}_3\text{C}_2\text{Tx}/\text{PEDOT:PSS}$ thin films for electromagnetic interference shielding. <i>New Journal of Chemistry</i> ,	3.6	4
8	Dielectrorheology of Aspect-Ratio-Tailored Carbon Nanotube/Polyethylene Composites under Large Deformations: Implications for High-Temperature Dielectrics. <i>ACS Applied Nano Materials</i> ,	5.6	3
7	Multilayer Polymeric Nanocomposites for Electromagnetic Interference Shielding: Fabrication, Mechanisms, and Prospects. <i>New Journal of Chemistry</i> ,	3.6	5
6	Ultrasensitive Biomolecule-Less Nanosensor Based on β Cyclodextrin/Quinoline Decorated Graphene Oxide toward Prompt and Differentiable Detection of Corona and Influenza Viruses. <i>Advanced Materials Technologies</i> ,2100341	6.8	5

5	A review of low-temperature H ₂ S gas sensors: fabrication and mechanism. <i>New Journal of Chemistry</i> ,	3.6	7
4	Effect of a novel green modification of alumina nanoparticles on the curing kinetics and electrical insulation properties of epoxy composites. <i>Polymers for Advanced Technologies</i> ,	3.2	9
3	Low-Profile Planar Antenna Sensor Based on Ti ₃ C ₂ T _x MXene Membrane for VOC and Humidity Monitoring. <i>Advanced Materials Interfaces</i> ,2102411	4.6	2
2	Polystyrene/polyolefin elastomer/halloysite nanotubes blend nanocomposites: Morphology-thermal degradation kinetics relationship. <i>Polymers for Advanced Technologies</i> ,	3.2	4
1	Conductive Polymers in Green Analytical Chemistry. <i>ACS Symposium Series</i> ,1-37	0.4	0