

Mohammad Arjmand

List of Publications by Citations

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166
papers

4,272
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181
ext. papers

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ext. citations

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avg, IF

6.4
L-index

#	Paper	IF	Citations
166	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
165	Electrical and electromagnetic interference shielding properties of flow-induced oriented carbon nanotubes in polycarbonate. <i>Carbon</i> , 2011 , 49, 3430-3440	10.4	302
164	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
163	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
162	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
161	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
160	Novel composites of copper nanowire/PVDF with superior dielectric properties. <i>Polymer</i> , 2014 , 55, 226-234	3.9	125
159	Three-dimensional printing of highly conductive polymer nanocomposites for EMI shielding applications. <i>Materials Today Communications</i> , 2017 , 11, 112-118	2.5	97
158	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
157	Carbon nanotube induced double percolation in polymer blends: Morphology, rheology and broadband dielectric properties. <i>Polymer</i> , 2017 , 114, 122-134	3.9	80
156	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
155	Outstanding electromagnetic interference shielding of silver nanowires: comparison with carbon nanotubes. <i>RSC Advances</i> , 2015 , 5, 56590-56598	3.7	66
154	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
153	Ethylenediamine-functionalized Zr-based MOF for efficient removal of heavy metal ions from water. <i>Chemosphere</i> , 2021 , 264, 128466	8.4	64
152	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
151	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
150	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

149	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
148	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
147	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
146	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
145	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
144	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
143	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
142	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
141	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
140	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
139	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
138	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
137	Broadband dielectric properties of multiwalled carbon nanotube/polystyrene composites. <i>Polymer Engineering and Science</i> , 2015 , 55, 173-179	2.3	31
136	Toxicity and remediation of pharmaceuticals and pesticides using metal oxides and carbon nanomaterials. <i>Chemosphere</i> , 2021 , 275, 130055	8.4	31
135	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
134	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
133	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
132	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

131	Dielectric properties of multiwalled carbon nanotube/clay/polyvinylidene fluoride nanocomposites: Effect of clay incorporation. <i>Polymer Composites</i> , 2016 , 37, 161-167	3	27
130	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
129	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
128	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
127	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
126	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
125	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
124	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
123	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
122	Frictional behavior of resin-based brake composites: Effect of carbon fibre reinforcement. <i>Wear</i> , 2019 , 420-421, 108-115	3.5	25
121	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
120	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
119	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
118	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
117	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
116	Effect of carbon nanotubes on electromagnetic interference shielding of carbon fiber reinforced polymer composites. <i>Polymer Composites</i> , 2018 , 39, E655-E663	3	23
115	Octadecyl Amine Functionalized Graphene Oxide towards Hydrophobic Chemical Resistant Epoxy Nanocomposites. <i>ChemistrySelect</i> , 2018 , 3, 7200-7207	1.8	23
114	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

113	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
112	A metabolic study on colon cancer using (1)h nuclear magnetic resonance spectroscopy. <i>Biochemistry Research International</i> , 2014 , 2014, 348712	2.4	20
111	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
110	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
109	Nanocomposite of Nitrogen-Doped Graphene/Polyaniline for Enhanced Ammonia Gas Detection. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900552	4.6	19
108	Colloidal Behavior of Cellulose Nanocrystals in Presence of Sodium Chloride. <i>ChemistrySelect</i> , 2018 , 3, 4969-4978	1.8	19
107	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
106	Synthesis, Applications, and Prospects of Graphene Quantum Dots: A Comprehensive Review. <i>Small</i> , 2021 , e2102683	11	18
105	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
104	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
103	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
102	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
101	Properties of talc filled reactor-made thermoplastic polyolefin composites. <i>Journal of Polymer Research</i> , 2019 , 26, 1	2.7	16
100	Cellulose nanocrystal structure in the presence of salts. <i>Cellulose</i> , 2019 , 26, 9387-9401	5.5	16
99	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
98	Adsorption performance of UiO-66 towards organic dyes: Effect of activation conditions. <i>Journal of Molecular Liquids</i> , 2021 , 321, 114487	6	16
97	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
96	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

95	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
94	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
93	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
92	Zinc-doped silica/polyaniline core/shell nanoparticles towards corrosion protection epoxy nanocomposite coatings. <i>Composites Part B: Engineering</i> , 2021 , 212, 108713	10	14
91	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
90	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
89	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
88	UiO-66 metal-organic frameworks in water treatment: A critical review. <i>Progress in Materials Science</i> , 2021 , 125, 100904	42.2	13
87	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
86	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
85	Tunable Dielectric Properties Derived from Nitrogen-Doped Carbon Nanotubes in PVDF-Based Nanocomposites. <i>ACS Omega</i> , 2018 , 3, 9966-9980	3.9	12
84	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
83	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
82	Magnetic Mesoporous Photonic Cellulose Films. <i>Langmuir</i> , 2016 , 32, 9329-34	4	12
81	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
80	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
79	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
78	Tribological Characteristics of Rubber-Based Friction Materials. <i>Tribology Letters</i> , 2011 , 41, 325-336	2.8	11

77	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
76	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
75	FeO@PAA@UiO-66-NH magnetic nanocomposite for selective adsorption of Quercetin. <i>Chemosphere</i> , 2021 , 275, 130087	8.4	11
74	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
73	Investigation of Chaotic Mixing for MWCNT/Polymer Composites. <i>Macromolecular Materials and Engineering</i> , 2015 , 300, 482-496	3.9	10
72	Nitrogen-Doped Carbon Nanotube/Polypropylene Composites with Negative Seebeck Coefficient. <i>Journal of Composites Science</i> , 2020 , 4, 14	3	10
71	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
70	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
69	Mechanical properties of extruded glass fiber reinforced thermoplastic polyolefin composites. <i>Polymer Composites</i> , 2020 , 41, 3748-3757	3	9
68	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
67	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
66	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
65	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
64	Nanofibers of poly(vinylidene fluoride)/copper nanowire: Microstructural analysis and dielectric behavior. <i>European Polymer Journal</i> , 2018 , 101, 46-55	5.2	8
63	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
62	NMR-based metabonomics survey in rats envenomed by Hemiscorpius lepturus venom. <i>Toxicon</i> , 2015 , 94, 16-22	2.8	7
61	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	2.1	7
60	A review of low-temperature H ₂ S gas sensors: fabrication and mechanism. <i>New Journal of Chemistry</i> ,	3.6	7

59	A review of recent progress in improving the fracture toughness of epoxy-based composites using carbonaceous nanofillers. <i>Polymer Composites</i> ,	3	6
58	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
57	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
56	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
55	Effects of multiwall carbon nanotubes on dielectric and mechanical properties of CaCu3Ti4O12 composite. <i>Ceramics International</i> , 2020 , 46, 20313-20319	5.1	5
54	Multilayer Structures of a Zn0.5Ni0.5Fe2O4-Reduced Graphene Oxide/PVDF Nanocomposite for Tunable and Highly Efficient Microwave Absorbers. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 5514-5527	4	5
53	Graphene-Based Femtogram-Level Sensitive Molecularly Imprinted Polymer of SARS-CoV-2.. <i>Advanced Materials Interfaces</i> , 2021 , 2101466	4.6	5
52	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
51	Multilayer Polymeric Nanocomposites for Electromagnetic Interference Shielding: Fabrication, Mechanisms, and Prospects. <i>New Journal of Chemistry</i> ,	3.6	5
50	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
49	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
48	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
47	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
46	CO2/CH4 separation by mixed-matrix membranes holding functionalized NH2-MIL-101(Al) nanoparticles: Effect of amino-silane functionalization. <i>Chemical Engineering Research and Design</i> , 2021 , 176, 49-49	5.5	5
45	Paraffin/CuO nanocomposites as phase change materials: Effect of surface modification of CuO. <i>Polymer Composites</i> , 2019 , 40, 4362-4370	3	4
44	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
43	Scalable manufacturing of flexible and highly conductive Ti3C2Tx/PEDOT:PSS thin films for electromagnetic interference shielding. <i>New Journal of Chemistry</i> ,	3.6	4
42	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

41	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
40	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
39	Polystyrene/polyolefin elastomer/halloysite nanotubes blend nanocomposites: Morphology-thermal degradation kinetics relationship. <i>Polymers for Advanced Technologies</i> ,	3.2	4
38	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
37	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
36	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
35	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
34	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
33	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
32	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
31	Culture of <i>Borrelia persica</i> and its flagellar antigen in vitro. <i>Pakistan Journal of Biological Sciences</i> , 2014 , 17, 190-7	0.8	3
30	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
29	Nitrogen-doped carbon nanotubes towards electrochemical sensing: Effect of synthesis temperature. <i>Diamond and Related Materials</i> , 2020 , 110, 108093	3.5	3
28	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
27	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
26	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
25	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
24	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

23	Mechanical analysis of aligned carbon nanotube bundles under electric field. <i>International Journal of Mechanical Sciences</i> , 2021 , 196, 106289	5.5	2
22	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
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