

# Mohammad Arjmand

## List of Publications by Year in descending order

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179  
papers

7,628  
citations

61984

43  
h-index

69250

77  
g-index

181  
all docs

181  
docs citations

181  
times ranked

5811  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	10.3	408
2	Electrical and electromagnetic interference shielding properties of flow-induced oriented carbon nanotubes in polycarbonate. <i>Carbon</i> , 2011, 49, 3430-3440.	10.3	347
3	Superior chemical stability of UiO-66 metal-organic frameworks (MOFs) for selective dye adsorption. <i>Chemical Engineering Journal</i> , 2020, 399, 125346.	12.7	305
4	Segregated Hybrid Poly(methyl methacrylate)/Graphene/Magnetite Nanocomposites for Electromagnetic Interference Shielding. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 14171-14179.	8.0	291
5	The electrical conductivity and electromagnetic interference shielding of injection molded multi-walled carbon nanotube/polystyrene composites. <i>Carbon</i> , 2012, 50, 1455-1464.	10.3	275
6	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.	10.3	202
7	Ethylenediamine-functionalized Zr-based MOF for efficient removal of heavy metal ions from water. <i>Chemosphere</i> , 2021, 264, 128466.	8.2	179
8	UiO-66 metal-organic frameworks in water treatment: A critical review. <i>Progress in Materials Science</i> , 2022, 125, 100904.	32.8	161
9	Synthesis, Applications, and Prospects of Graphene Quantum Dots: A Comprehensive Review. <i>Small</i> , 2022, 18, e2102683.	10.0	151
10	Novel composites of copper nanowire/PVDF with superior dielectric properties. <i>Polymer</i> , 2014, 55, 226-234.	3.8	146
11	Three-dimensional printing of highly conductive polymer nanocomposites for EMI shielding applications. <i>Materials Today Communications</i> , 2017, 11, 112-118.	1.9	138
12	Graphene-based phase change composites for energy harvesting and storage: State of the art and future prospects. <i>Carbon</i> , 2019, 148, 441-480.	10.3	126
13	Carbon nanotube induced double percolation in polymer blends: Morphology, rheology and broadband dielectric properties. <i>Polymer</i> , 2017, 114, 122-134.	3.8	106
14	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 &amp; Interfaces</i> , 2021, 13, 42074-42093.	8.0	103
15	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.	10.3	99
16	Magnetic Fe <sub>3</sub> O <sub>4</sub> @UiO-66 nanocomposite for rapid adsorption of organic dyes from aqueous solution. <i>Journal of Molecular Liquids</i> , 2021, 322, 114910.	4.9	97
17	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.	12.0	92
18	Toxicity and remediation of pharmaceuticals and pesticides using metal oxides and carbon nanomaterials. <i>Chemosphere</i> , 2021, 275, 130055.	8.2	89

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19	Outstanding electromagnetic interference shielding of silver nanowires: comparison with carbon nanotubes. <i>RSC Advances</i> , 2015, 5, 56590-56598.	3.6	88
20	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.	7.8	80
21	Significance of interfacial interaction and agglomerates on electrical properties of polymer-carbon nanotube nanocomposites. <i>Materials and Design</i> , 2017, 125, 126-134.	7.0	79
22	Silver Nanowire/MnO <sub>2</sub> Nanowire Hybrid Polymer Nanocomposites: Materials with High Dielectric Permittivity and Low Dielectric Loss. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 14328-14336.	8.0	77
23	Simultaneous detection and removal of fluoride from water using smart metal-organic framework-based adsorbents. <i>Coordination Chemistry Reviews</i> , 2021, 445, 214037.	18.8	76
24	Coordination chemistry of metal-organic frameworks: Detection, adsorption, and photodegradation of tetracycline antibiotics and beyond. <i>Coordination Chemistry Reviews</i> , 2022, 464, 214562.	18.8	76
25	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.	4.8	75
26	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.	12.0	73
27	Lead oxide-decorated graphene oxide/epoxy composite towards X-Ray radiation shielding. <i>Radiation Physics and Chemistry</i> , 2018, 146, 77-85.	2.8	70
28	Effects of Nitrogen Doping on X-band Dielectric Properties of Carbon Nanotube/Polymer Nanocomposites. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 17844-17850.	8.0	67
29	Carbon Nanotube/Graphene Nanoribbon/Polyvinylidene Fluoride Hybrid Nanocomposites: Rheological and Dielectric Properties. <i>Journal of Physical Chemistry C</i> , 2017, 121, 169-181.	3.1	65
30	A review of recent progress in improving the fracture toughness of epoxy-based composites using carbonaceous nanofillers. <i>Polymer Composites</i> , 2022, 43, 1871-1886.	4.6	64
31	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.	7.8	63
32	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.	4.9	61
33	The role of polycaprolactone-triol (PCL-T) in biomedical applications: A state-of-the-art review. <i>European Polymer Journal</i> , 2020, 131, 109701.	5.4	59
34	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.	7.8	59
35	Impact of scale, activation solvents, and aged conditions on gas adsorption properties of UiO-66. <i>Journal of Environmental Management</i> , 2020, 274, 111155.	7.8	53
36	Highly Sensitive and Contactless Ammonia Detection Based on Nanocomposites of Phosphate-Functionalized Reduced Graphene Oxide/Polyaniline Immobilized on Microstrip Resonators. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 9746-9754.	8.0	53

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37	Mechanical properties of bamboo fiber-reinforced polymer composites: a review of recent case studies. <i>Journal of Materials Science</i> , 2022, 57, 3143-3167.	3.7	53
38	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.	4.8	51
39	Filler-Free Conducting Polymers as a New Class of Transparent Electromagnetic Interference Shields. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 28596-28606.	8.0	50
40	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	48
41	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.	12.7	48
42	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.	5.4	47
43	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.	4.6	47
44	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.	4.8	47
45	Fe <sub>3</sub> O <sub>4</sub> @PAA@UiO-66-NH <sub>2</sub> magnetic nanocomposite for selective adsorption of Quercetin. <i>Chemosphere</i> , 2021, 275, 130087.	8.2	47
46	High-resolution extrusion printing of Ti <sub>3</sub> C <sub>2</sub> -based inks for wearable human motion monitoring and electromagnetic interference shielding. <i>Carbon</i> , 2022, 191, 277-289.	10.3	47
47	Effects of hybrid carbon-aramid fiber on performance of non-asbestos organic brake friction composites. <i>Wear</i> , 2020, 452-453, 203280.	3.1	46
48	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.	3.9	45
49	Amino-silane-grafted NH <sub>2</sub> -MIL-53(Al)/polyethersulfone mixed matrix membranes for CO <sub>2</sub> /CH <sub>4</sub> separation. <i>Dalton Transactions</i> , 2019, 48, 13555-13566.	3.3	45
50	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.	3.6	44
51	Toughening of epoxy resin systems using core-shell rubber particles: a literature review. <i>Journal of Materials Science</i> , 2021, 56, 18345-18367.	3.7	44
52	Superior X-ray Radiation Shielding Effectiveness of Biocompatible Polyaniline Reinforced with Hybrid Graphene Oxide-Iron Tungsten Nitride Flakes. <i>Polymers</i> , 2020, 12, 1407.	4.5	43
53	Adsorption performance of UiO-66 towards organic dyes: Effect of activation conditions. <i>Journal of Molecular Liquids</i> , 2021, 321, 114487.	4.9	42
54	Theoretical and experimental analysis of the thermal, fade and wear characteristics of rubber-based composite friction materials. <i>Wear</i> , 2010, 269, 145-151.	3.1	41

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55	Zinc-doped silica/polyaniline core/shell nanoparticles towards corrosion protection epoxy nanocomposite coatings. <i>Composites Part B: Engineering</i> , 2021, 212, 108713.	12.0	41
56	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.	6.6	41
57	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.	3.8	41
58	Multilayer Structures of a Zn <sub>0.5</sub> Ni <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> -Reduced Graphene Oxide/PVDF Nanocomposite for Tunable and Highly Efficient Microwave Absorbers. <i>ACS Applied Electronic Materials</i> , 2021, 3, 5514-5527.	4.3	40
59	Ultrasound-assisted synthesis and characterization of magnetite nanoparticles and poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 467 Td (adip	8.2	39
60	Effect of carbon nanotubes on electromagnetic interference shielding of carbon fiber reinforced polymer composites. <i>Polymer Composites</i> , 2018, 39, E655.	4.6	39
61	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.	4.8	39
62	Interface Bridging of Multiwalled Carbon Nanotubes in Polylactic Acid/Poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (adip	4.8	39
63	Programing polyurethane with rational surface-modified graphene platelets for shape memory actuators and dielectric elastomer generators. <i>European Polymer Journal</i> , 2020, 133, 109745.	5.4	39
64	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.	7.0	38
65	Influence of annealing temperature on morphological and photocatalytic activity of sputter-coated CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> thin film under ultraviolet light irradiation. <i>Ceramics International</i> , 2019, 45, 20697-20703.	4.8	38
66	Photocatalytic Degradation of Organic Dye by Solâ€“Gel-Synthesized CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> Powder. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 2006-2014.	2.5	38
67	Octadecyl Amine Functionalized Graphene Oxide towards Hydrophobic Chemical Resistant Epoxy Nanocomposites. <i>ChemistrySelect</i> , 2018, 3, 7200-7207.	1.5	37
68	Frictional behavior of resin-based brake composites: Effect of carbon fibre reinforcement. <i>Wear</i> , 2019, 420-421, 108-115.	3.1	37
69	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.	4.1	37
70	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.	4.9	37
71	Broadband dielectric properties of multiwalled carbon nanotube/polystyrene composites. <i>Polymer Engineering and Science</i> , 2015, 55, 173-179.	3.1	34
72	Impact of BaTiO <sub>3</sub> as insulative ferroelectric barrier on the broadband dielectric properties of MWCNT/PVDF nanocomposites. <i>Polymer Composites</i> , 2016, 37, 299-304.	4.6	34

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73	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.	1.5	34
74	CO <sub>2</sub> /CH <sub>4</sub> separation by mixed-matrix membranes holding functionalized NH <sub>2</sub> -MIL-101(Al) nanoparticles: Effect of amino-silane functionalization. <i>Chemical Engineering Research and Design</i> , 2021, 176, 49-59.	5.6	34
75	Multilayer polymeric nanocomposites for electromagnetic interference shielding: fabrication, mechanisms, and prospects. <i>New Journal of Chemistry</i> , 2021, 45, 21488-21507.	2.8	34
76	Cellulose nanocrystal structure in the presence of salts. <i>Cellulose</i> , 2019, 26, 9387-9401.	4.9	33
77	A metabolomic study on the effect of intravascular laser blood irradiation on type 2 diabetic patients. <i>Lasers in Medical Science</i> , 2013, 28, 1527-1532.	2.1	32
78	Carbon Nanotube versus Graphene Nanoribbon: Impact of Nanofiller Geometry on Electromagnetic Interference Shielding of Polyvinylidene Fluoride Nanocomposites. <i>Polymers</i> , 2019, 11, 1064.	4.5	32
79	Nanocomposite of Nitrogen-Doped Graphene/Polyaniline for Enhanced Ammonia Gas Detection. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900552.	3.7	32
80	Colloidal Behavior of Cellulose Nanocrystals in Presence of Sodium Chloride. <i>ChemistrySelect</i> , 2018, 3, 4969-4978.	1.5	31
81	Effect of Ar:N <sub>2</sub> 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.	4.8	31
82	Synthesis of core/shell-structured CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> /SiO <sub>2</sub> composites for effective degradation of rhodamine B under ultraviolet light. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 19587-19598.	2.2	31
83	Graphene oxide/polyaniline-based microwave split-ring resonator: A versatile platform towards ammonia sensing. <i>Journal of Hazardous Materials</i> , 2021, 418, 126283.	12.4	31
84	Efficient removal of heavy metal ions from aqueous media by unmodified and modified nanodiamonds. <i>Journal of Environmental Management</i> , 2022, 316, 115214.	7.8	31
85	Dielectric properties of multiwalled carbon nanotube/clay/polyvinylidene fluoride nanocomposites: Effect of clay incorporation. <i>Polymer Composites</i> , 2016, 37, 161-167.	4.6	30
86	A review of low-temperature H <sub>2</sub> S gas sensors: fabrication and mechanism. <i>New Journal of Chemistry</i> , 2021, 45, 17727-17752.	2.8	30
87	Low-Profile Planar Antenna Sensor Based on Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene Membrane for VOC and Humidity Monitoring. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	30
88	A review: silicate ceramic-polymer composite scaffold for bone tissue engineering. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2022, 71, 180-195.	3.4	29
89	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.	2.4	28
90	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.	5.6	27

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91	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, 239, 109969.	12.0	27
92	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.	3.6	26
93	A Metabolic Study on Colon Cancer Using <sup>1</sup> H Nuclear Magnetic Resonance Spectroscopy. <i>Biochemistry Research International</i> , 2014, 2014, 1-7.	3.3	24
94	Mechanical properties of extruded glass fiber reinforced thermoplastic polyolefin composites. <i>Polymer Composites</i> , 2020, 41, 3748-3757.	4.6	24
95	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.	4.9	24
96	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> , 0, , .	3.2	24
97	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.	3.6	23
98	Nitrogen-Doped Carbon Nanotube/Polypropylene Composites with Negative Seebeck Coefficient. <i>Journal of Composites Science</i> , 2020, 4, 14.	3.0	22
99	Multilayer polymeric nanocomposite thin film heater and electromagnetic interference shield. <i>Chemical Engineering Journal</i> , 2022, 435, 134598.	12.7	22
100	Synthesis and receptor binding studies of novel 4,4-disubstituted arylalkyl/arylalkylsulfonyl piperazine and piperidine-based derivatives as a new class of $\text{f}1$ ligands. <i>European Journal of Medicinal Chemistry</i> , 2013, 64, 488-497.	5.5	21
101	Properties of talc filled reactor-made thermoplastic polyolefin composites. <i>Journal of Polymer Research</i> , 2019, 26, 1.	2.4	20
102	Graphene-Based Femtogram-Level Sensitive Molecularly Imprinted Polymer of SARS-CoV-2. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101466.	3.7	20
103	Nuclear magnetic resonance-based screening of thalassemia and quantification of some hematological parameters using chemometric methods. <i>Talanta</i> , 2010, 81, 1229-1236.	5.5	19
104	Simultaneous electrochemical-assisted exfoliation and in situ surface functionalization towards large-scale production of few-layer graphene. <i>FlatChem</i> , 2019, 18, 100132.	5.6	19
105	Intra-Cycle Elastic Nonlinearity of Nitrogen-Doped Carbon Nanotube/Polymer Nanocomposites under Medium Amplitude Oscillatory Shear (MAOS) Flow. <i>Nanomaterials</i> , 2020, 10, 1257.	4.1	19
106	Review of Bioprinting in Regenerative Medicine: Naturally Derived Bioinks and Stem Cells. <i>ACS Applied Bio Materials</i> , 2021, 4, 4049-4070.	4.6	19
107	The Effect of Aqueous Extract of Cinnamon on the Metabolome of <i>Plasmodium falciparum</i> Using <sup>1</sup> H NMR Spectroscopy. <i>Journal of Tropical Medicine</i> , 2016, 2016, 1-5.	1.7	18
108	Ultrasensitive early detection of insulin antibody employing novel electrochemical nano-biosensor based on controllable electro-fabrication process. <i>Talanta</i> , 2022, 238, 122947.	5.5	18



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109	In-depth study of mechanical properties of poly(lactic acid)/thermoplastic polyurethane/hydroxyapatite blend nanocomposites. <i>Journal of Materials Science</i> , 2022, 57, 7250-7264.	3.7	18
110	Phase stability analysis on green methanol synthesis process from CO <sub>2</sub> hydrogenation in water cooled, gas cooled and double cooled tubular reactors. <i>Fuel Processing Technology</i> , 2018, 181, 375-387.	7.2	17
111	Influence of polypropylene and nanoclay on thermal and thermo-oxidative degradation of poly(lactide) Tj ETQq1 1 0.784314 ggBT /Ov	2.7	17
112	Effects of multiwall carbon nanotubes on dielectric and mechanical properties of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> composite. <i>Ceramics International</i> , 2020, 46, 20313-20319.	4.8	17
113	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.	4.9	17
114	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.	0.9	17
115	Simultaneous electrochemical detection of Cd and Pb in aquatic samples via coupled graphene with brominated white polyaniline flakes. <i>European Polymer Journal</i> , 2022, 162, 110926.	5.4	17
116	Polystyrene/polyolefin elastomer/halloysite nanotubes blend nanocomposites: Morphology&thermal degradation kinetics relationship. <i>Polymers for Advanced Technologies</i> , 2022, 33, 2149-2165.	3.2	17
117	Tunable Dielectric Properties Derived from Nitrogen-Doped Carbon Nanotubes in PVDF-Based Nanocomposites. <i>ACS Omega</i> , 2018, 3, 9966-9980.	3.5	16
118	Sensors/Biosensors: Nanocomposite of Nitrogen&Doped Graphene/Polyaniline for Enhanced Ammonia Gas Detection ( <i>Adv. Mater. Interfaces</i> 16/2019). <i>Advanced Materials Interfaces</i> , 2019, 6, 1970101.	3.7	16
119	Synergic effect of laser-assisted graphene with silver nanowire reinforced polyindole/polypyrrole toward superior energy density. <i>Carbon</i> , 2022, 188, 276-288.	10.3	16
120	NMR-based metabonomics survey in rats envenomed by <i>Hemiscorpius lepturus</i> venom. <i>Toxicon</i> , 2015, 94, 16-22.	1.6	15
121	Assembling copper nanowires at the interface and in discrete phases in PLA-based polymer blends. <i>European Polymer Journal</i> , 2016, 85, 187-197.	5.4	15
122	Scalable manufacturing of flexible and highly conductive Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> /PEDOT:PSS thin films for electromagnetic interference shielding. <i>New Journal of Chemistry</i> , 2021, 45, 20787-20799.	2.8	15
123	Antibody mounting capability of 1D/2D carbonaceous nanomaterials toward rapid-specific detection of SARS-CoV-2. <i>Talanta</i> , 2022, 239, 123113.	5.5	15
124	Interfacial Assembly of Graphene Oxide: From Super Elastic Interfaces to Liquid&Liquid Printing. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	15
125	Magnetic Mesoporous Photonic Cellulose Films. <i>Langmuir</i> , 2016, 32, 9329-9334.	3.5	14
126	Structured Ultra&Flyweight Aerogels by Interfacial Complexation: Self&Assembly Enabling Multiscale Designs. <i>Small</i> , 2022, 18, e2200220.	10.0	14



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127	Graphene oxide enhances thermal stability and microwave absorption/regeneration of a porous polymer. <i>Journal of Hazardous Materials</i> , 2022, 433, 128792.	12.4	14
128	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.	3.7	13
129	Investigation of Chaotic Mixing for MWCNT/Polymer Composites. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 482-496.	3.6	13
130	Ultrasensitive Biomolecule-Free Nanosensor Based on $\beta$ -Cyclodextrin/Quinoline Decorated Graphene Oxide toward Prompt and Differentiable Detection of Corona and Influenza Viruses. <i>Advanced Materials Technologies</i> , 2021, 6, 2100341.	5.8	13
131	Staging of colorectal cancer using serum metabolomics with HNMR Spectroscopy. <i>Iranian Journal of Basic Medical Sciences</i> , 2017, 20, 835-840.	1.0	13
132	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.	3.6	12
133	Nanofibers of poly(vinylidene fluoride)/copper nanowire: Microstructural analysis and dielectric behavior. <i>European Polymer Journal</i> , 2018, 101, 46-55.	5.4	12
134	Transparent sodium polytungstate polyoxometalate aquatic shields toward effective X-ray radiation protection: Alternative to lead glasses. <i>Materials Today Communications</i> , 2022, 31, 103822.	1.9	12
135	Tribological Characteristics of Rubber-Based Friction Materials. <i>Tribology Letters</i> , 2011, 41, 325-336.	2.6	11
136	Effect of WO <sub>3</sub> loading on structural, electrical and dielectric properties of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> ceramic composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 6806-6810.	2.2	11
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