Surface modification of inorganic nanoparticles for dev nanocompositesâ€"A review

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Citation Report

#	Article	IF	CITATIONS
1	A novel nanocomposite of polyaniline and Fe0.01Ni0.01Zn0.980: Photocatalytic, electrical and antibacterial properties. Journal of Alloys and Compounds, 2013, 578, 249-256.	2.8	56
2	Use of unmodified SiO2 as nanofiller to improve mechanical properties of polymer-based nanocomposites. Composites Science and Technology, 2013, 89, 52-60.	3.8	89
3	Luminescence recognition material as an INHIBIT logic gate in presence of Pb2+ and Cu2+ ions in aqueous solutions. Sensors and Actuators B: Chemical, 2013, 186, 396-406.	4.0	8
4	Synthesis and characterization of novel Fe@ZnO nanosystem. Journal of Alloys and Compounds, 2013, 578, 235-241.	2.8	52
5	Research advances in polymer emulsion based on "core–shell―structure particle design. Advances in Colloid and Interface Science, 2013, 197-198, 118-131.	7.0	81
6	Effect of Modified Sepiolite Nanofibers on Properties ofcis-Polybutadiene Rubber Composite Nanomaterials. Journal of Nanomaterials, 2013, 2013, 1-6.	1.5	1
7	Preparation and Performance of <i>cis</i> -Polybutadiene Rubber Composite Materials Reinforced by Organic Modified Palygorskite Nanomaterials. Journal of Nanomaterials, 2013, 2013, 1-5.	1.5	1
8	Advancement in Electrospun Nanofibrous Membranes Modification and Their Application in Water Treatment. Membranes, 2013, 3, 266-284.	1.4	126
9	Magnetic-mediated hyperthermia for cancer treatment: Research progress and clinical trials. Chinese Physics B, 2013, 22, 108104.	0.7	44
10	Review on Nanomaterials for Thermal Energy Storage Technologies. Nanoscience and Nanotechnology - Asia, 2013, 3, 60-71.	0.3	47
11	Grand challenges in polymer chemistry: energy, environment, health. Frontiers in Chemistry, 2013, 1, 31.	1.8	11
12	Influence of SiC/Si ₃ N ₄ Hybrid Nanoparticles on Polymer Tensile Properties. Journal of Composites, 2013, 2013, 1-11.	0.8	6
13	Mechanical and Morphological Properties of Polypropylene/Nano <i>î±</i> -Al ₂ O ₃ Composites. Scientific World Journal, The, 2014, 2014, 1-12.	0.8	40
14	Role of surface modification in zinc oxide nanoparticles and its toxicity assessment toward human dermal fibroblast cells. International Journal of Nanomedicine, 2014, 9, 3707.	3.3	32
15	Polymerization of Vinylpyrrolidone to Form a Neutral Coating on Anionic Nanomaterials in Aqueous Suspension for Rapid Sedimentation. Coatings, 2014, 4, 340-355.	1.2	2
16	Bottom-Up, Wet Chemical Technique for the Continuous Synthesis of Inorganic Nanoparticles. Inorganics, 2014, 2, 1-15.	1.2	42
17	Hansen Solubility Parameters of Surfactant-Capped Silver Nanoparticles for Ink and Printing Technologies. Langmuir, 2014, 30, 15514-15519.	1.6	22
18	Facile Preparation of Optically Tailored Hybrid Nanocomposite. Journal of Nanomaterials, 2014, 2014, 1-7.	1.5	2

#	ARTICLE	IF	CITATIONS
19	UVâ€Triggered Dopamine Polymerization: Control of Polymerization, Surface Coating, and Photopatterning. Advanced Materials, 2014, 26, 8029-8033.	11.1	307
20	Inorganic Nano-fillers for Polymers. , 2014, , 1-7.		8
21	Colloidal Interactions of Inorganic Nanoparticles Grafted with Zwitterionic Polymer Brushes and Gels by Surfaceâ€Mediated Seeded Polymerization. Macromolecular Rapid Communications, 2014, 35, 1356-1361.	2.0	5
22	The First Photochemical In Situ Production of Tiâ€Based Nanoparticles: A S _H 2 Strategy Using Bis(cyclopentadienyl)titanium Dichloride (Cp ₂ TiCl ₂). Macromolecular Rapid Communications, 2014, 35, 821-826.	2.0	13
23	Laser Emission from Ring Resonators Formed by a Quantum-Dot-Doped Single Polymer Nanowire. ACS Macro Letters, 2014, 3, 1266-1270.	2.3	24
24	Obtaining of hybrid nanocomposites by simultaneous photopolymerization of some urethane monomers and photoinduced formation of gold nanoparticles. Journal of Polymer Science Part A, 2014, 52, 728-738.	2.5	9
25	Hydrophilization of CdS nanoparticles using a polymeric coating and their photocatalytic properties. Russian Chemical Bulletin, 2014, 63, 2355-2362.	0.4	8
26	Towards optimization of electrical network and mechanical property of polymer nanocomposites with grafted nanoparticles. Polymer, 2014, 55, 3178-3185.	1.8	11
27	UV resistibility of a nano-ZnO/glass fibre reinforced epoxy composite. Materials & Design, 2014, 56, 254-257.	5.1	37
28	Dispersible Carbon Nanotubes. Chemistry - A European Journal, 2014, 20, 1210-1217.	1.7	17
29	l-cysteine-induced fabrication of spherical titania nanoparticles within poly(ether-imide) matrix. Amino Acids, 2014, 46, 1321-1331.	1.2	2
30	Aluminum-doped zinc oxide powders: synthesis, properties and application. Journal of Materials Science: Materials in Electronics, 2014, 25, 678-692.	1.1	16
31	Synthesis and properties of epoxy-polyurethane/silica nanocomposites by a novel sol method and in-situ solution polymerization route. Applied Surface Science, 2014, 303, 67-75.	3.1	70
32	Conjugated-polymer grafting on inorganic and organic substrates: A new trend in organic electronic materials. Progress in Polymer Science, 2014, 39, 1847-1877.	11.8	77
33	In situ synthesis of organic–inorganic hybrids or nanocomposites from sol–gel chemistry in molten polymers. Progress in Polymer Science, 2014, 39, 1473-1497.	11.8	67
34	The potential of cuttlebone as reinforced filler of polyurethane. Composites Science and Technology, 2014, 93, 17-22.	3.8	12
35	A facile preparation method for single-hole hollow Fe3O4@SiO2 microspheres. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 453, 101-108.	2.3	9
36	Nanomaterials, nanofillers, and nanocomposites: types and properties. , 2014, , 3-27.		22

#	Article	IF	CITATIONS
37	One-step synthesis of poly(triazole-ether-quinoxaline)s using click reaction: preparation and properties of magnetic nanocomposites with modified Fe3O4 for metal ions removal. Journal of Polymer Research, 2014, 21, 1.	1.2	11
38	Thermal, electrical, and mechanical properties of hexagonal boron nitride–reinforced epoxy composites. Journal of Composite Materials, 2014, 48, 2517-2526.	1.2	92
39	Shape Memory Polymer–Inorganic Hybrid Nanocomposites. Advances in Polymer Science, 2014, , 313-350.	0.4	15
40	The production, characterization and applications of nanoparticles in the textile industry. Textile Progress, 2014, 46, 133-226.	1.3	41
41	Dispersion of Inorganic Nanoparticles in Polymer Matrices: Challenges and Solutions. Advances in Polymer Science, 2014, , 1-38.	0.4	16
42	Surface modification of titanium hydride with epoxy resin via microwave-assisted ball milling. Applied Surface Science, 2014, 316, 632-636.	3.1	17
43	Photophysical and structural characterisation of <i>in situ</i> formed quantum dots. Physical Chemistry Chemical Physics, 2014, 16, 9556-9564.	1.3	22
44	Nano-building block based-hybrid organic–inorganic copolymers with self-healing properties. Polymer Chemistry, 2014, 5, 4474-4479.	1.9	23
45	High Pervaporation Dehydration Performance of the Composite Membrane with an Ultrathin Alginate/Poly(acrylic acid)–Fe ₃ O ₄ Active Layer. Industrial & Engineering Chemistry Research, 2014, 53, 1606-1616.	1.8	48
46	Sol-Gel Nanocomposites. , 2014, , .		26
47	Synthesis Strategies for the Preparation of Sol-Gel Nanocomposites. , 2014, , 51-82.		2
48	Effect of Different Nanoparticles on Mechanical Properties and Curing Behavior of Thermoset Polyurethane Adhesives. Journal of Adhesion, 2014, 90, 848-859.	1.8	11
49	Surface functionalization of coal powder with different coupling agents for potential applications in organic materials. Applied Surface Science, 2014, 313, 954-960.	3.1	15
50	Magnetic polymer nanocomposites for environmental and biomedical applications. Colloid and Polymer Science, 2014, 292, 2025-2052.	1.0	228
51	Reinforcement of poly(amide–imide) containing N-trimellitylimido-L-phenylalanine by using nano α-Al2O3 surface-coupled with bromo-flame retardant under ultrasonic irradiation technique. Journal of Molecular Structure, 2014, 1075, 196-203.	1.8	9
52	Conformable amplified lead zirconate titanate sensors with enhanced piezoelectric response for cutaneous pressure monitoring. Nature Communications, 2014, 5, 4496.	5.8	757
53	High Interfacial Activity of Polymers "Grafted through―Functionalized Iron Oxide Nanoparticle Clusters. Langmuir, 2014, 30, 10188-10196.	1.6	31
54	A comparative study of Fe3O4 nanoparticles modified with different silane compounds. Applied Surface Science, 2014, 318, 297-304.	3.1	36

#	Article	IF	CITATIONS
55	A comparative study of grafting steps on the preparation and properties of modified nanosilica for UV-curable coatings. Journal of Coatings Technology Research, 2014, 11, 717-725.	1.2	3
56	Facile surface modification of silica nanoparticles with a combination of noncovalent and covalent methods for composites application. Composites Science and Technology, 2014, 104, 1-8.	3.8	47
57	Synthesis, characterization, microbiological evaluation, genotoxicity and synergism tests of new nano silver complexes with sulfamoxole. Journal of Inorganic Biochemistry, 2014, 141, 58-69.	1.5	31
58	Palladium nanoparticles incorporated polymer-silica nanocomposite based electrochemical sensing platform for nitrobenzene detection. Electrochimica Acta, 2014, 147, 442-450.	2.6	59
59	Effect of poly(amid–imide)/Al2O3 hybrid with various ratios on the physicochemical properties of poly(vinyl alcohol) nanocomposites films. Colloid and Polymer Science, 2014, 292, 2285-2294.	1.0	1
60	In situ functionalized fluorescent nanoparticles for efficient receptor coupling. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	4
61	PLGA/nHA hybrid nanofiber scaffold as a nanocargo carrier of insulin for accelerating bone tissue regeneration. Nanoscale Research Letters, 2014, 9, 314.	3.1	60
62	Ligand Engineering of Polymer Nanocomposites: From the Simple to the Complex. ACS Applied Materials & Interfaces, 2014, 6, 6005-6021.	4.0	121
63	Polymer–Ceramic Nanohybrid Materials. Advances in Polymer Science, 2014, , 143-185.	0.4	25
64	Characteristics evaluation of calcium carbonate particles modified by surface functionalization. Advanced Powder Technology, 2014, 25, 1618-1623.	2.0	34
65	Different surface functionalized nano-Fe3O4 particles for EVA composite adhesives. International Journal of Adhesion and Adhesives, 2014, 50, 128-135.	1.4	13
66	Novel fabrication route for porous silicon carbide ceramics through the combination of <i>in situ</i> polymerization and reaction bonding techniques. Journal of Applied Polymer Science, 2014, 131, .	1.3	7
67	Synthesis of TiO ₂ –Poly(3-hexylthiophene) Hybrid Particles through Surface-Initiated Kumada Catalyst-Transfer Polycondensation. Langmuir, 2014, 30, 11340-11347.	1.6	19
68	Preparation of superhydrophobic zinc coating for corrosion protection. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 454, 113-118.	2.3	61
69	Preparation and characterization of composites from Ba0.5Sr0.5TiO3 and polystyrene. Journal of Alloys and Compounds, 2014, 609, 274-283.	2.8	14
70	The influence of mesoporous silica in low Tg cyclic olefin copolymer nanocomposite films: Mechanical and moisture barrier studies. Composites Science and Technology, 2014, 96, 80-87.	3.8	5
71	Guiding principles in the design of ligand-targeted nanomedicines. Nanomedicine, 2014, 9, 313-330.	1.7	52
72	Graphene oxide reinforced chitosan/polyvinylpyrrolidone polymer bioâ€nanocomposites. Journal of Applied Polymer Science, 2014, 131, .	1.3	79

#	Article	IF	CITATIONS
73	Nanocomposites based on crosslinked polyacrylic latex/silver nanoparticles for waterborne highâ€performance antibacterial coatings. Journal of Polymer Science Part A, 2014, 52, 1435-1447.	2.5	14
74	Electrochromic coatings made of surface modified rutile and anatase pigments: Influence of trisilanol POSS dispersant on electrochromic effect. Applied Surface Science, 2014, 313, 484-497.	3.1	11
75	Improvement of epoxy resin properties by incorporation of TiO2 nanoparticles surface modified with gallic acid esters. Materials & Design, 2014, 62, 158-167.	5.1	109
76	Gold nanorod enhanced organic photovoltaics: The importance of morphology effects. Organic Electronics, 2014, 15, 1448-1457.	1.4	25
77	Antibacterial performance of ZnO-based fillers with mesoscale structured morphology in model medical PVC composites. Materials Science and Engineering C, 2014, 41, 70-77.	3.8	30
78	Efficient dispersion of coated silver nanoparticles in the polymer matrix. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 447, 67-70.	2.3	13
79	H2S sensing using in situ photo-polymerized polyaniline–silver nanocomposite films on flexible substrates. Organic Electronics, 2014, 15, 71-81.	1.4	102
80	Behavior of Hydrogel Microparticles Based on Acrylamide and 2-HEMA Obtained By Inverse Emulsion. Materials Research Society Symposia Proceedings, 2015, 1767, 43-48.	0.1	0
81	On the Question of Site‣elective Ligand Exchange in Carboxylate‣ubstituted Metal Oxo Clusters. European Journal of Inorganic Chemistry, 2015, 2015, 2889-2894.	1.0	12
82	Biodegradable Nanocomposites for Imaging, Tissue-Repairing, and Drug-Delivery Applications. , 2015, , 35-48.		0
83	Current Progress of Nanomaterial/Polymer Mixed-Matrix Membrane for Desalination. , 2015, , 516-537.		1
84	Hybrid Films Photoluminescence of Chitosan/ZnAl ₂ O ₄ . Materials Science Forum, 2015, 820, 205-210.	0.3	1
85	A Thermomechanical and Adhesion Analysis of Epoxy/Al ₂ O ₃ Nanocomposites. Nanomaterials and Nanotechnology, 2015, 5, 18.	1.2	15
86	Transparent bulk-size nanocomposites with high inorganic loading. Applied Physics Letters, 2015, 107, 241906.	1.5	6
88	<i>In situ</i> Oneâ€pot Electrochemical Synthesis of Aluminum Oxide/polyaniline Nanocomposite; Characterization and Its Adsorption Properties towards Some Heavy Metal Ions. Journal of the Chinese Chemical Society, 2015, 62, 1045-1052.	0.8	11
89	Multifunctional mesoporous silica nanoparticles in poly(ethylene- <i>co</i> -vinyl acetate) for transparent heat retention films. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 851-859.	2.4	10
90	Nanoparticleâ€Imprinted Polymers: Shellâ€Selective Recognition of Au Nanoparticles by Imprinting Using the Langmuir–Blodgett Method. ChemElectroChem, 2015, 2, 795-802.	1.7	19
91	Preparation of polydimethylaminoethyl methacrylate grafted attapulgite via ceric ionâ€induced redox polymerization. Journal of Applied Polymer Science, 2015, 132, .	1.3	1

#	Article	IF	CITATIONS
92	Oxygen-Mediated Reactions in Photopolymerizable Radical Thin Films: Application to Simultaneous Photocuring Under Air and Nanoparticle Formation. Macromolecular Chemistry and Physics, 2015, 216, 1702-1711.	1.1	7
93	The convenient preparation of stable aryl-coated zerovalent iron nanoparticles. Beilstein Journal of Nanotechnology, 2015, 6, 1192-1198.	1.5	15
96	Grafting of Citric Acid as a Green Coupling Agent on the Surface of CuO Nanoparticle and its Application for Synthesis and Characterization of Novel Nanocomposites Based on Poly(amide-imide) Containing <i>N</i> -trimellitylimido-L-valine Linkage. Polymer-Plastics Technology and Engineering, 2015, 54, 594-602.	1.9	13
97	Fabrication of PVDF membranes entrapped with oleic acid modified TiO2 and selective adsorption toward bovine hemoglobin. RSC Advances, 2015, 5, 48607-48614.	1.7	7
98	Effect of some operational parameters on the hydrogen generation efficiency of Ni-ZnO/PANI composite under visible-light irradiation. Materials Research Bulletin, 2015, 70, 530-538.	2.7	21
99	Synthesis and characterization of SiO2–PMMA–POEOMA structures and SiO2–TiO2 pomegranate-like hybrid microspheres for the photodecomposition of methyl orange. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 481, 176-185.	2.3	10
100	Raman spectroscopy and the material study of nanocomposite membranes from poly(ε-caprolactone) with biocompatibility testing in osteoblast-like cells. Analyst, The, 2015, 140, 2311-2320.	1.7	40
101	High thermal and thermomechanical properties obtained by reinforcing a bisphenol-A based phthalonitrile resin with silicon nitride nanoparticles. Materials Letters, 2015, 149, 81-84.	1.3	49
102	Fabrication and characterization of POM/ZrO2/silk fibroin composite scaffolds. Materials Letters, 2015, 157, 85-88.	1.3	8
103	Improved separation and antifouling performance of PVA thin film nanocomposite membranes incorporated with carboxylated TiO2 nanoparticles. Journal of Membrane Science, 2015, 485, 48-59.	4.1	121
104	Nonionic surfactant-stabilized raspberry-like polymer/silica nanoparticles latex with film formability. Progress in Organic Coatings, 2015, 86, 79-85.	1.9	9
105	Morphology and properties of silica-based coatings with different functionalities for Fe ₃ O ₄ , ZnO and Al ₂ O ₃ nanoparticles. RSC Advances, 2015, 5, 48094-48103.	1.7	31
106	Controlled synthesis of functional Ag, Ag–Au/Au–Ag nanoparticles and their Prussian blue nanocomposites for bioanalytical applications. RSC Advances, 2015, 5, 49671-49679.	1.7	24
107	Calcium carbonate nanoparticles as cancer drug delivery system. Expert Opinion on Drug Delivery, 2015, 12, 1649-1660.	2.4	216
108	Synthesis of novel silica-polyimide nanocomposite films using aromatic-amino modified silica nanoparticles: Mechanical, thermal and morphological investigations. EXPRESS Polymer Letters, 2015, 9, 469-479.	1.1	18
109	Versatile Method for Coating Surfaces with Functional and Responsive Polymer-Based Films. ACS Applied Materials & Interfaces, 2015, 7, 27547-27553.	4.0	21
110	Comparative study of effect of corrosion on mild steel with waterborne polyurethane dispersion containing graphene oxide versus carbon black nanocomposites. Progress in Organic Coatings, 2015, 89, 199-211.	1.9	107
111	Parameter influence on interfacial stress of a new composite material for surface finishing. Materials Research Innovations, 2015, 19, S8-657-S8-664.	1.0	1

#	Article	IF	CITATIONS
112	Effect of Nano Aluminum Oxide Fillers on the Properties of FRP Polymer Matrix Composites. Applied Mechanics and Materials, 2015, 787, 612-616.	0.2	2
113	X-ray diffraction and high-resolution TEM observations of biopolymer nanoskin-covered metallic copper fine particles: preparative conditions and surface oxidation states. Physical Chemistry Chemical Physics, 2015, 17, 32511-32516.	1.3	12
114	Probing effects of polymer adsorption in colloidal particle suspensions by light scattering as relevant for the aquatic environment: An overview. Science of the Total Environment, 2015, 535, 131-140.	3.9	25
115	Nanocomposite fabrication via direct ultra-fast laser ablation of titanium in aqueous monomer solution. Laser Physics Letters, 2015, 12, 125601.	0.6	6
116	Nanocomposites based on polyethylene and modified silica phase. Nanotechnologies in Russia, 2015, 10, 888-895.	0.7	3
117	Synthesis and characterization of heterocyclic functionalized polymers by click reaction: Preparation of magnetic nanocomposites and studies on their thermal, mechanical, photophysical and metal ions removal properties. Chinese Journal of Polymer Science (English Edition), 2015, 33, 301-317.	2.0	12
118	Water-Soluble Core–Shell Hyperbranched Polymers for Enhanced Oil Recovery. Industrial & Engineering Chemistry Research, 2015, 54, 798-807.	1.8	99
119	Polyurethane-coated silica particles with broad-spectrum antibacterial properties. Polymer Chemistry, 2015, 6, 2011-2022.	1.9	18
120	Bimodal "matrix-free―polymer nanocomposites. RSC Advances, 2015, 5, 14788-14795.	1.7	37
121	Methacrylic Acid Based Polymer Networks with a High Content of Unfunctionalized Nanosilica: Particle Distribution, Swelling, and Rheological Properties. Journal of Physical Chemistry C, 2015, 119, 610-622.	1.5	22
122	Preparation and application of aluminumâ€doped zinc oxide powders via precipitation and plasma processing method. Journal of Applied Polymer Science, 2015, 132, .	1.3	4
123	Cationic polymer–TiO2 nanocomposite sorbent for arsenate removal. Chemical Engineering Journal, 2015, 268, 362-370.	6.6	41
124	Direct generation of titanium dioxide nanoparticles dispersion under supercritical conditions for photocatalytic active thermoplastic surfaces for microbiological inactivation. Materials Chemistry and Physics, 2015, 153, 274-284.	2.0	2
125	Poly(vinyl alcohol) Chains Grafted onto the Surface of Copper Oxide Nanoparticles: Application in Synthesis and Characterization of Novel Optically Active and Thermally Stable Nanocomposites Based on Poly(amide-imide) Containing <i>N</i> -trimellitylimido-L-valine Linkage. International Journal of Polymer Analysis and Characterization. 2015, 20, 82-97.	0.9	35
126	In situ emulsion copolymerization of methyl methacrylate and butyl acrylate in the presence of SiO2 with various surface coupling densities. Colloid and Polymer Science, 2015, 293, 463-471.	1.0	36
127	Zirconium-methacrylate oxoclusters as new hybrid materials for the modification of epoxy systems. Journal of Materials Science, 2015, 50, 2903-2913.	1.7	5
128	Superior Dielectric Performance of Engineering Thermoplastic as a Result of In situ Embedding of Nanoscale Mixed-Phase Molybdenum Oxide. Journal of Electronic Materials, 2015, 44, 2269-2275.	1.0	0
129	Fabrication of antifouling polymer–inorganic hybrid membranes through the synergy of biomimetic mineralization and nonsolvent induced phase separation. Journal of Materials Chemistry A, 2015, 3, 7287-7295.	5.2	84

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130	Surface Treatment of ZrO ₂ Nanoparticles with Biosafe Citric Acid and Its Utilization for the Synthesis of L-leucine Based Poly(Amide–Imide) Nanocomposites. Polymer-Plastics Technology and Engineering, 2015, 54, 1634-1643.	1.9	5
131	Recent development in the synthesis of polymer nanocomposites based on nano-alumina. Progress in Polymer Science, 2015, 51, 74-93.	11.8	160
132	Preparation and characterization of granular silica aerogel/polyisocyanurate rigid foam composites. Construction and Building Materials, 2015, 93, 309-316.	3.2	54
133	Electrocatalytic oxidation of ascorbic acid on mesostructured SiO2-conducting polymer composites. European Polymer Journal, 2015, 69, 201-207.	2.6	5
134	Thermal and mechanical properties of polyamide 11 based composites reinforced with surface modified titanate nanotubes. Materials and Design, 2015, 83, 459-467.	3.3	32
135	Durable nanocomposite adhesives based on polyacrylates and surface-modified colloidal silica. Journal of Adhesion Science and Technology, 2015, 29, 2345-2354.	1.4	1
136	Mechanical properties of epoxy nanocomposites using titanium dioxide as reinforcement – A review. Construction and Building Materials, 2015, 95, 506-524.	3.2	125
137	The processing of polycarbonate nanocomposites generated with various nanofillers. , 2015, , 87-101.		0
138	Photogeneration process in bulk heterojunction solar cell based on quaterthiophene and CdS nanoparticles. Applied Physics A: Materials Science and Processing, 2015, 120, 1149-1157.	1.1	6
139	Optimization of magnetic extraction by experimental design methodology for the determination of antidepressants in biological samples. Analytical Methods, 2015, 7, 6231-6242.	1.3	8
140	Evaluation of cooling property of high density polyethylene (HDPE)/titanium dioxide (TiO2) composites after accelerated ultraviolet (UV) irradiation. Solar Energy Materials and Solar Cells, 2015, 143, 120-127.	3.0	37
141	One-step fabrication of 3-methacryloxypropyltrimethoxysilane modified silica and investigation of fluorinated polyacrylate/silica nanocomposite films. RSC Advances, 2015, 5, 58973-58979.	1.7	18
142	Rice husk extracted lignin–TEOS biocomposites: Effects of acetylation and silane surface treatments for application in nickel removal. Biotechnology Reports (Amsterdam, Netherlands), 2015, 7, 95-106.	2.1	25
143	Preparation and Room Temperature Gas Sensing Study of Tungsten Oxide Nanowires/PEDOT/PSS Hybrid Materials. Ferroelectrics, 2015, 477, 93-102.	0.3	12
144	Dipolar-driven formation of cobalt nanoparticle chains in polyethylene films. Materials Chemistry and Physics, 2015, 162, 229-233.	2.0	1
145	Surface modification of SiO ₂ nanoparticles and its impact on the properties of PES-based hollow fiber membrane. RSC Advances, 2015, 5, 58644-58654.	1.7	50
146	On the loading mechanism of ssDNA into carbon nanotubes. RSC Advances, 2015, 5, 56896-56903.	1.7	15
147	Post-polymerization Modification of Surface-Bound Polymers. Advances in Polymer Science, 2015, , 163-192.	0.4	3

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148	Applications of a new type of poly(methyl methacrylate)/TiO2 nanocomposite as an antibacterial agent and a reducing photocatalyst. Photochemical and Photobiological Sciences, 2015, 14, 1637-1643.	1.6	27
149	Chemical and physical aspects of self-healing materials. Progress in Polymer Science, 2015, 49-50, 34-59.	11.8	375
150	Green Route for the Synthesis of Alanine-based Poly(amide-imide) Nanocomposites Reinforced with the Modified ZnO by Poly(vinyl alcohol) as a Biocompatible Coupling Agent. Polymer-Plastics Technology and Engineering, 2015, 54, 1448-1456.	1.9	16
151	Synthesis of nanocomposites by in situ metallocene-catalyzed polymerization of propene. European Polymer Journal, 2015, 65, 238-251.	2.6	5
152	Superabsorbent hydrogels based on polysaccharides for application in agriculture as soil conditioner and nutrient carrier: A review. European Polymer Journal, 2015, 72, 365-385.	2.6	514
153	Surface coating of α-Al2O3 nanoparticles with poly(vinyl alcohol) as biocompatible coupling agent for improving properties of bio-active poly(amide-imide) based nanocomposites having l-phenylalanine linkages. Progress in Organic Coatings, 2015, 85, 138-145.	1.9	18
154	Constructing proton-conductive highways within an ionomer membrane by embedding sulfonated polymer brush modified graphene oxide. Journal of Power Sources, 2015, 286, 445-457.	4.0	140
155	Effect of the rigid core of the filler on the properties of melt-mixed polystyrene/core–shell particle nanocomposites. Materials Chemistry and Physics, 2015, 156, 16-28.	2.0	6
156	Continuous process of biogas purification and co-production of nano calcium carbonate in multistage membrane reactors. Chemical Engineering Journal, 2015, 271, 223-231.	6.6	17
157	Storable silicon/shape memory polyurethane hybrid sols prepared by a facile synthesis process and their application to aramid fibers. Journal of Sol-Gel Science and Technology, 2015, 74, 670-676.	1.1	13
158	A facile and green method for the production of novel and potentially biocompatible poly(amide-imide)/ZrO2–poly(vinyl alcohol) nanocomposites containing trimellitylimido-l-leucine linkages. Progress in Organic Coatings, 2015, 86, 11-17.	1.9	16
159	Recent Advances in Nanocomposite Coatings for Corrosion Protection Applications. , 2015, , 515-549.		25
160	Microwave Material Properties of Nanoparticle-Doped Nematic Liquid Crystals. Frequenz, 2015, 69, .	0.6	3
161	The design of pH-sensitive chitosan-based formulations for gastrointestinal delivery. Drug Discovery Today, 2015, 20, 1004-1011.	3.2	130
162	Magnetic and transport properties of magneto-anisotropic nanocomposites for controlled drug delivery. Nanotechnologies in Russia, 2015, 10, 325-335.	0.7	20
163	Synthesis of co-polymer-grafted gum karaya and silica hybrid organic–inorganic hydrogel nanocomposite for the highly effective removal of methylene blue. Chemical Engineering Journal, 2015, 279, 166-179.	6.6	165
164	Highly dispersive waterborne polyurethane/ZnO nanocomposites for corrosion protection. Journal of Coatings Technology Research, 2015, 12, 657-667.	1.2	49
165	Probing the Interactions of Intrinsically Disordered Proteins Using Nanoparticle Tags. Nano Letters, 2015, 15, 3080-3087.	4.5	14

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166	Preparation of surface-modified ZnO quantum dots through an ultrasound assisted sol–gel process. Applied Surface Science, 2015, 346, 111-114.	3.1	33
167	Fluorous-inorganic hybrid dielectric materials for solution-processed electronic devices. New Journal of Chemistry, 2015, 39, 836-842.	1.4	12
168	Analysis and applications of nanoparticles in capillary electrophoresis. Talanta, 2015, 141, 15-20.	2.9	42
169	Photophysical and surface characteristics of electrospun polysulfone/nickel fibers. Materials Research Bulletin, 2015, 64, 306-311.	2.7	12
170	The influence of crystalline transformation of Ba0.6Sr0.4TiO3 nanofibers/poly(vinylidene fluoride) composites on the energy storage properties by quenched technique. Ceramics International, 2015, 41, S430-S434.	2.3	27
171	Low-temperature nanoredox two-step sintering of gelatin nanoskin-stabilized submicrometer-sized copper fine particles for preparing highly conductive layers. RSC Advances, 2015, 5, 61290-61297.	1.7	31
172	Facile surface tailoring of metal oxide nanoparticles via a two-step modification approach. RSC Advances, 2015, 5, 60993-60999.	1.7	30
173	Phase structure and properties of blends based on polystyrene and carbosilane dendrimers. Polymer Science - Series A, 2015, 57, 586-595.	0.4	4
174	Epoxy/graphene nanocomposites – processing and properties: a review. RSC Advances, 2015, 5, 73510-73524.	1.7	188
175	Fabrication and characterization of poly(benzimidazole-amide)/functionalized titania nanocomposites containing phthalimide and benzimidazole pendent groups. Colloid and Polymer Science, 2015, 293, 2911-2920.	1.0	22
176	Preparation and characterization of PES/SiO2 composite ultrafiltration membrane for advanced water treatment. Korean Journal of Chemical Engineering, 2015, 32, 2319-2329.	1.2	47
177	Coating process and stability of metal-polyphenol film. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 484, 197-205.	2.3	62
178	The effect of silica nanotubes on mechanical performance of polymethyl methacrylate nanocomposites: Comparison to spherical nano-silica. Journal of Reinforced Plastics and Composites, 2015, 34, 1433-1443.	1.6	6
179	Surface Modification Approach to TiO ₂ Nanofluids with High Particle Concentration, Low Viscosity, and Electrochemical Activity. ACS Applied Materials & Interfaces, 2015, 7, 20538-20547.	4.0	68
180	Development of silica grafted poly(1,8-octanediol-co-citrates) hybrid elastomers with highly tunable mechanical properties and biocompatibility. Journal of Materials Chemistry B, 2015, 3, 2986-3000.	2.9	26
181	Fabrication and characterization of a novel hydrophobic CaCO3 grafted by hydroxylated poly(vinyl) Tj ETQq1 1 0	784314 rg 3.1	gBT /Overloc 10
182	Preparation of metal-ion containing polymers: Synthesis and characterization of methacryliccopolymers containing copper ion. Polymer, 2015, 77, 297-304.	1.8	5
183	Minicircle DNA vectors for gene therapy: advances and applications. Expert Opinion on Biological Therapy, 2015, 15, 353-379.	1.4	73

		CITATION RE	EPORT	
#	Article		IF	Citations
184	Review: is interplay between nanomaterial and membrane technology the way forward fo desalination?. Journal of Chemical Technology and Biotechnology, 2015, 90, 971-980.	r	1.6	57
185	Elaboration and characterization of a multifunctional silane/ZnO hybrid nanocomposite c Applied Surface Science, 2015, 327, 379-388.	oating.	3.1	38
186	Synthesis and properties of novel UV – curable hyperbranched waterborne polyurethane/Fe ₃ O ₄ nanocomposite films with excellent magr RSC Advances, 2015, 5, 4355-4363.	ietic properties.	1.7	21
187	Hybrid chitosan–Pluronic F-127 films with BaTiO3:Co nanoparticles: Synthesis and prop of Magnetism and Magnetic Materials, 2015, 377, 65-69.	berties. Journal	1.0	7
188	Organic-Inorganic Hybrid Nanomaterials. Advances in Polymer Science, 2015, , .		0.4	17
189	Antibacterial titania-based photocatalytic extruded plastic films. Journal of Photochemistr Photobiology A: Chemistry, 2015, 299, 159-165.	ry and	2.0	31
190	Interfacial characterization of epoxy/silica nanocomposites measured by fluorescence. Eu Polymer Journal, 2015, 62, 31-42.	ropean	2.6	20
191	Synthesis and properties of new epoxy-organolayered silicate nanocomposites. Applied C 2015, 103, 28-33.	lay Science,	2.6	41
192	Functionalization of luminescent YVO4:Eu3+ nanoparticles by sol–gel. Journal of Lumir 159, 93-99.	iescence, 2015,	1.5	20
193	New PLA/PEI-functionalized Fe3O4 nanocomposite: Preparation and characterization. Jou Industrial and Engineering Chemistry, 2015, 24, 211-218.	rnal of	2.9	43
194	Solid silica nanoparticles: applications in molecular imaging. Contrast Media and Molecul 2015, 10, 1-17.	ar Imaging,	0.4	38
195	New cellulose–silica composite IMAC/C18 for the selective enrichment of phosphorylat and the improved recovery of hydrophilic species. RSC Advances, 2015, 5, 1034-1042.	ed molecules	1.7	4
196	Catalytic degradation of orange G under microwave irradiation with a novel nanohybrid c Journal of Environmental Chemical Engineering, 2015, 3, 20-29.	atalyst.	3.3	20
197	Nanoindentation in polymer nanocomposites. Progress in Materials Science, 2015, 67, 1-	94.	16.0	306
198	Inorganic Nanomaterials in Polymeric Ultrafiltration Membranes for Water Treatment. Se and Purification Reviews, 2015, 44, 216-249.	paration	2.8	159
199	Improving water selectivity of poly (vinyl alcohol) (PVA) – Fumed silica (FS) nanocompo by grafting of poly (2-hydroxyethyl methacrylate) (PHEMA) on fumed silica particles. Cher Engineering Science, 2015, 122, 373-383.	osite membranes mical	1.9	21
200	Transparent and Flexible Films of Thermoplastic Polyurethanes Incorporated by Nano-SiO ₂ Modified With 4,4′-Methylene Diphenyl Diisocyanate. Internat Polymeric Materials and Polymeric Biomaterials, 2015, 64, 1-6.	ional Journal of	1.8	20
201	Effects of polyethyleneimine-functionalized MCM-41 on flame retardancy and thermal stapolyvinyl alcohol. Particuology, 2015, 19, 14-21.	bility of	2.0	17

#	Article	IF	CITATIONS
202	Evaluation of thermal, mechanical, and electrical properties of PVDF/GNP binary and PVDF/PMMA/GNP ternary nanocomposites. Composites Part A: Applied Science and Manufacturing, 2015, 68, 62-71.	3.8	64
203	Engineered nanoparticles and organic matter: A review of the state-of-the-art. Chemosphere, 2015, 119, 608-619.	4.2	271
204	Preparation and Biocompatible Surface Modification of Redox Altered Cerium Oxide Nanoparticle Promising for Nanobiology and Medicine. Bioengineering, 2016, 3, 28.	1.6	10
205	The effect of neutral-surface iron oxide nanoparticles on cellular uptake and signaling pathways. International Journal of Nanomedicine, 2016, Volume 11, 4595-4607.	3.3	7
207	Advanced Nanocomposite Coatings of Fusion Bonded Epoxy Reinforced with Amino-Functionalized Nanoparticles for Applications in Underwater Oil Pipelines. Journal of Nanomaterials, 2016, 2016, 1-16.	1.5	13
208	Effect of Nanodiamonds on Structure and Durability of Polyethylene Oxide-Based Nanocomposites. Journal of Nanomaterials, 2016, 2016, 1-9.	1.5	9
209	Effect of Nanoparticle Surface Modification and Filling Concentration on Space Charge Characteristics in TiO ₂ /XLPE Nanocomposites. Journal of Nanomaterials, 2016, 2016, 1-10.	1.5	19
210	Electrochemical Study of Carbon Nanotubes/Nanohybrids for Determination of Metal Species Cu2+ and Pb2+ in Water Samples. Journal of Analytical Methods in Chemistry, 2016, 2016, 1-12.	0.7	6
211	Inorganic Nanoparticles for Transdermal Drug Delivery and Topical Application. , 2016, , 57-72.		25
212	Synthesis, characterization, applications, and challenges of iron oxide nanoparticles. Nanotechnology, Science and Applications, 2016, Volume 9, 49-67.	4.6	1,043
212 213	Synthesis, characterization, applications, and challenges of iron oxide nanoparticles. Nanotechnology, Science and Applications, 2016, Volume 9, 49-67. Organic-Inorganic Hydrophobic Nanocomposite Film with a Core-Shell Structure. Materials, 2016, 9, 1021.	4.6 1,3	1,043 4
212 213 214	Synthesis, characterization, applications, and challenges of iron oxide nanoparticles. Nanotechnology, Science and Applications, 2016, Volume 9, 49-67.Organic-Inorganic Hydrophobic Nanocomposite Film with a Core-Shell Structure. Materials, 2016, 9, 1021.Recent Prospects in the Inline Monitoring of Nanocomposites and Nanocoatings by Optical Technologies. Nanomaterials, 2016, 6, 150.	4.6 1.3 1.9	1,043 4 25
212 213 214 215	Synthesis, characterization, applications, and challenges of iron oxide nanoparticles. Nanotechnology, Science and Applications, 2016, Volume 9, 49-67. Organic-Inorganic Hydrophobic Nanocomposite Film with a Core-Shell Structure. Materials, 2016, 9, 1021. Recent Prospects in the Inline Monitoring of Nanocomposites and Nanocoatings by Optical Technologies. Nanomaterials, 2016, 6, 150. Magnetoanisotropic biodegradable nanocomposites for controlled drug release. , 2016, , 171-196.	4.6 1.3 1.9	1,043 4 25 1
212 213 214 215 216	Synthesis, characterization, applications, and challenges of iron oxide nanoparticles. Nanotechnology, Science and Applications, 2016, Volume 9, 49-67. Organic-Inorganic Hydrophobic Nanocomposite Film with a Core-Shell Structure. Materials, 2016, 9, 1021. Recent Prospects in the Inline Monitoring of Nanocomposites and Nanocoatings by Optical Technologies. Nanomaterials, 2016, 6, 150. Magnetoanisotropic biodegradable nanocomposites for controlled drug release. , 2016, , 171-196. One-pot synthesis of uniform and monodisperse superparamagnetic molecularly imprinted polymer nanospheres through a sol〓gel process for selective recognition of bisphenol A in aqueous media. RSC Advances, 2016, 6, 66297-66306.	4.6 1.3 1.9 1.7	1,043 4 25 1 22
212 213 214 215 215 216	Synthesis, characterization, applications, and challenges of iron oxide nanoparticles. Nanotechnology, Science and Applications, 2016, Volume 9, 49-67. Organic-Inorganic Hydrophobic Nanocomposite Film with a Core-Shell Structure. Materials, 2016, 9, 1021. Recent Prospects in the Inline Monitoring of Nanocomposites and Nanocoatings by Optical Technologies. Nanomaterials, 2016, 6, 150. Magnetoanisotropic biodegradable nanocomposites for controlled drug release. , 2016, , 171-196. One-pot synthesis of uniform and monodisperse superparamagnetic molecularly imprinted polymer nanospheres through a sol–gel process for selective recognition of bisphenol A in aqueous media. RSC Advances, 2016, 6, 66297-66306. Preâ€dispersing of montmorillonite nanofiller: Impact on morphology and performance of melt compounded ethyl vinyl acetate nanocomposites. Journal of Applied Polymer Science, 2016, 133, .	4.6 1.3 1.9 1.7 1.3	1,043 4 25 1 22 21
212 213 214 215 216 217 218	Synthesis, characterization, applications, and challenges of iron oxide nanoparticles. Nanotechnology, Science and Applications, 2016, Volume 9, 49-67. Organic-Inorganic Hydrophobic Nanocomposite Film with a Core-Shell Structure. Materials, 2016, 9, 1021. Recent Prospects in the Inline Monitoring of Nanocomposites and Nanocoatings by Optical Technologies. Nanomaterials, 2016, 6, 150. Magnetoanisotropic biodegradable nanocomposites for controlled drug release. , 2016, , 171-196. One-pot synthesis of uniform and monodisperse superparamagnetic molecularly imprinted polymer nanospheres through a solać"gel process for selective recognition of bisphenol A in aqueous media. RSC Advances, 2016, 6, 66297-66306. Preâ€dispersing of montmorillonite nanofiller: Impact on morphology and performance of melt compounded ethyl vinyl acetate nanocomposites. Journal of Applied Polymer Science, 2016, 133, . Polymers and nanocomposites: synthesis and metal ion pollutant uptake. Polymer International, 2016, 6, 525-267.	4.6 1.3 1.9 1.7 1.3 1.6	1,043 4 25 1 22 21 25
 212 213 214 215 216 217 218 219 	Synthesis, characterization, applications, and challenges of iron oxide nanoparticles. Nanotechnology, Science and Applications, 2016, Volume 9, 49-67. Organic-Inorganic Hydrophobic Nanocomposite Film with a Core-Shell Structure. Materials, 2016, 9, 1021. Recent Prospects in the Inline Monitoring of Nanocomposites and Nanocoatings by Optical Technologies. Nanomaterials, 2016, 6, 150. Magnetoanisotropic biodegradable nanocomposites for controlled drug release. , 2016, , 171-196. One-pot synthesis of uniform and monodisperse superparamagnetic molecularly imprinted polymer nanospheres through a solaCfgel process for selective recognition of bisphenol A in aqueous media. RSC Advances, 2016, 6, 66297-66306. Preaéedispersing of montmorillonite nanofiller: Impact on morphology and performance of melt compounded ethyl vinyl acetate nanocomposites. Journal of Applied Polymer Science, 2016, 133, . Polymers and nanocomposites: synthesis and metal ion pollutant uptake. Polymer International, 2016, 6, 525-267. Out-of-plane stretching for simultaneous generation of different morphological wrinkles on a soft matter. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	4.6 1.3 1.9 1.7 1.3 1.6 1.1	1,043 4 25 1 22 21 22 25 1

ARTICLE IF CITATIONS # Effects of anhydrites before and after modification as well as their contents on the thermal and 221 2.3 3 mechanical properties of polyamide 6/anhydrite composites. Polymer Composites, 2016, 37, 2360-2368. High performance ceramic-based phthalonitrile micro and nanocomposites. Materials Letters, 2016, 1.3 182, 380-385. The PLA/ZIFâ€8 Nanocomposite Membranes: The Diameter and Surface Roughness Adjustment by ZIFâ€8 223 Nanoparticles, High Wettability, Improved Mechanical Property, and Efficient Oil/Water Separation. 1.9 69 Advanced Materials Interfaces, 2016, 3, 1600725. Photochemical Behavior of Synthetic Polymeric Multicomponent Materials Composites and 224 0.3 Nanocomposites. Advanced Structured Materials, 2016, , 109-164. Preparation of Well-Defined Poly(styrene-<i>co</i>acrylonitrile)/ZnO Hybrid Nanoparticles by an 225 1.6 26 Efficient Ligand Exchange Strategy, Langmuir, 2016, 32, 13207-13213. Hybrid catalysts based on platinum and palladium nanoparticles for the hydrogenation of terpenes under slurry conditions. Petroleum Chemistry, 2016, 56, 1114-1122. 0.4 Characterization of a hybrid-smectite nanomaterial formed by immobilizing of N-pyridin-2-ylmethylsuccinamic acid onto (3-aminopropyl)triethoxysilane modified smectite and its 227 0.7 5 potentiometric sensor application. Advances in Natural Sciences: Nanoscience and Nanotechnology, . 2016, 7, 035012. Oriented Clay Nanotube Membrane Assembled on Microporous Polymeric Substrates. ACS Applied 4.0 Materials & amp; Interfaces, 2016, 8, 34914-34923. Self-Assembling Nanocomposite Tectons. Journal of the American Chemical Society, 2016, 138, 229 6.6 91 16228-16231. Preparation of Transparent Bulk TiO₂/PMMA Hybrids with Improved Refractive Indices via an in Situ Polymerization Process Using TiO (sub) 2 (sub) Nanoparticles Bearing PMMA Chains Grown by Surface-Inítiated Atom Transfer Radical Polymerization. ACS Applied Materials & amp; Interfaces, 2016.8.34762-34769 Effects of surface modification and ultrasonic agitation on the properties of PHBV/ZnO 231 3 0.9 nanocomposites. Pure and Applied Chemistry, 2016, 88, 1027-1035. Surface modification of polymers with bis(arylcarbene)s from bis(aryldiazomethane)s: preparation, dyeing and characterization. RSC Advances, 2016, 6, 111276-111290. Poly(amidoamine)-mediated self-assembly of hydroxyl-modified anatase TiO2nanocrystals on cotton 233 0.8 0 fabric. Japanese Journal of Applied Physics, 2016, 55, 06GH02. Surfaceâ€modified MgO nanoparticle enhances the mechanical and directâ€current electrical characteristics of polypropylene/polyolefin elastomer nanodielectrics. Journal of Applied Polymer Science, 2016, 133, . 1.3 94 Application of silane grafted titanate nanotubes in reinforcing of polyamide 11 composites. 236 5.9 16 Composites Part B: Engineering, 2016, 93, 153-162. Influence of a novel organo-silylated clay on the morphology, thermal and burning behavior of low 5.9 density polyethylene composites. Composites Part B: Engineering, 2016, 98, 444-452. Titanium oxide nanoparticle increases shallow traps to suppress space charge accumulation in 238 1.7 63 polypropylene dielectrics. RSC Advances, 2016, 6, 48720-48727. Synthesis of high dispersible hydrophilic poly(ethylene glycol)/vinyl silane grafted silica 239 nanoparticles to fabricate protein repellent polyethylene nanocomposite. European Polymer Journal, 24 2016, 81, 86-97.

#	Article	IF	CITATIONS
240	Structure of alumina-silica nanoparticles grafted with alkylphosphonic acids in poly(ethylacrylate) nanocomposites. Polymer, 2016, 97, 138-146.	1.8	15
241	Strategies for development and implementation of bio-based materials as effective renewable resources of energy: A comprehensive review on adsorbent technology. Renewable and Sustainable Energy Reviews, 2016, 62, 654-664.	8.2	60
242	Phosphorescence of CdS nanoparticles in polymer matrix as an indication of host-guest interaction. Materials Chemistry and Physics, 2016, 177, 379-383.	2.0	2
243	Use of hybrid composite particles prepared using alkoxysilane-functionalized amphiphilic polymer precursors for simultaneous removal of various pollutants from water. Chemosphere, 2016, 156, 302-311.	4.2	26
244	Covalent Binding of CdSe@PMMA Nanocomposite Films with both Good Transparency and UV-Shielding. Journal of Nano Research, 2016, 41, 42-52.	0.8	0
245	Inorganic nanoparticles in porous coordination polymers. Chemical Society Reviews, 2016, 45, 3828-3845.	18.7	220
246	Preparation and characterization of novel clay/scleroglucan nanocomposites. Applied Clay Science, 2016, 126, 235-244.	2.6	10
247	Nanohybrid polymer brushes on silica for bioseparation. Journal of Materials Chemistry B, 2016, 4, 3247-3256.	2.9	44
248	Research trends in biomimetic medical materials for tissue engineering: 3D bioprinting, surface modification, nano/micro-technology and clinical aspects in tissue engineering of cartilage and bone. Biomaterials Research, 2016, 20, 10.	3.2	54
249	Advanced silica/polymer composites: Materials and applications. Journal of Industrial and Engineering Chemistry, 2016, 38, 1-12.	2.9	174
250	Effect of coating on the environmental applications of zero valent iron nanoparticles: the lindane case. Science of the Total Environment, 2016, 565, 795-803.	3.9	33
251	Synthesis and characterization of bimetallic noble metal nanoparticles for biomedical applications. MRS Advances, 2016, 1, 681-691.	0.5	1
253	Synthesis of TiO 2 -grafted onto PMMA film via ATRP: Using monomer as a coupling agent and reusability in photocatalytic application. Materials Research Bulletin, 2016, 83, 640-648.	2.7	11
254	Thermoresponsive random and block copolymers based on diethylene glycol methacrylate and a novel thiolated methacrylic monomer for the coating of semiconductor nanoparticles. European Polymer Journal, 2016, 84, 565-576.	2.6	5
255	Novel three-dimensional halloysite nanotubes/silica composite aerogels with enhanced mechanical strength and low thermal conductivity prepared at ambient pressure. Journal of Sol-Gel Science and Technology, 2016, 80, 651-659.	1.1	24
256	Microscopy of Nanomaterials. , 2016, , 117-140.		1
257	Improvements of Thermal, Mechanical, and Water-Resistance Properties of Polybenzoxazine/Boron Carbide Nanocomposites. Jom, 2016, 68, 2533-2542.	0.9	13
259	Polymer-inorganic hybrid proton conductive membranes: Effect of the interfacial transfer pathways. Electrochimica Acta, 2016, 212, 426-439.	2.6	44

#	Article	IF	CITATIONS
260	Nanocomposites based on biosafe nano ZnO and different polymeric matrixes for antibacterial, optical, thermal and mechanical applications. European Polymer Journal, 2016, 84, 377-403.	2.6	73
261	Corrosion Protection Performance of Nano-SiO2/Epoxy Composite Coatings in Acidic Desulfurized Flue Gas Condensates. Journal of Materials Engineering and Performance, 2016, 25, 3880-3889.	1.2	16
262	Influence of concentration of hydroxyapatite surface modifier agent on bioactive composite characteristics. Ceramics International, 2016, 42, 17023-17031.	2.3	10
263	Zwitter ionic modification of cobalt-ferrite nanofiber for the removal of anionic and cationic dyes. Journal of the Taiwan Institute of Chemical Engineers, 2016, 67, 306-317.	2.7	29
264	Interfacial modification and enhancement of toughening mechanisms in epoxy composites with CNTs grafted on carbon fibers. Composites Science and Technology, 2016, 134, 89-95.	3.8	59
265	Porous alumina based ordered nanocomposite coating for wear resistance. Materials Research Express, 2016, 3, 085021.	0.8	6
266	Fully quantitative description of hybrid TiO 2 nanoparticles by means of solid state 31 P NMR. Solid State Nuclear Magnetic Resonance, 2016, 78, 50-55.	1.5	5
267	Recent developments in polydopamine: an emerging soft matter for surface modification and biomedical applications. Nanoscale, 2016, 8, 16819-16840.	2.8	509
268	Preparation of AlN microspheres/UHMWPE composites for insulating thermal conductors. RSC Advances, 2016, 6, 80262-80267.	1.7	29
269	Enhancement of polar crystalline phase formation in transparent PVDF-CaF2 composite films. Applied Surface Science, 2016, 390, 339-345.	3.1	28
270	Fabrication and characterization of polymer–ceramic nanocomposites containing pluronic F127 immobilized on hydroxyapatite nanoparticles. RSC Advances, 2016, 6, 80564-80575.	1.7	24
271	A General and Facile Strategy to Fabricate Multifunctional Nanoprobes for Simultaneous 19F Magnetic Resonance Imaging, Optical/Thermal Imaging, and Photothermal Therapy. ACS Applied Materials & Interfaces, 2016, 8, 22830-22838.	4.0	24
273	Chitosan and imide-functional Fe ₃ O ₄ nanoparticles to prepare new xanthene based poly(ether-imide) nanocomposites. RSC Advances, 2016, 6, 112568-112575.	1.7	20
275	Impact of ZnO and ZnO/Ag nanoparticles on the photocatalytic activity of photopolymerized films. Journal of Coatings Technology Research, 0, , 1.	1.2	2
276	Carboxymethyl cellulose assisted preparation of water-processable halloysite nanotubular composites with carboxyl-functionalized multi-carbon nanotubes for simultaneous voltammetric detection of uric acid, guanine and adenine in biological samples. Journal of Electroanalytical Chemistry 2016, 780, 103-113	1.9	27
277	Size- and Shape-controlled Pseudo-polymer Particles: Surface-initiated Atom Transfer Radical Polymerization on Monodispersed α-Fe ₂ O ₃ Particles. Chemistry Letters, 2016, 45, 119-121.	0.7	6
278	Partial ligand exchange as a critical approach to the synthesis of transparent ytterbium fluoride–polymer nanocomposite monoliths for gamma ray scintillation. Journal of Materials Chemistry C, 2016, 4, 3654-3660.	2.7	22
279	Biodegradable polymeric nanostructures in therapeutic applications: opportunities and challenges. RSC Advances, 2016, 6, 94325-94351.	1.7	51

ARTICLE IF CITATIONS # Dielectric properties of polyamide 12-chromium(III) oxide nanocomposites. Chemical Physics Letters, 280 1.2 2 2016, 659, 277-281. Nanocomposites: an overview. Emerging Materials Research, 2016, 5, 5-43. 0.4 Amine-functionalized magnetic mesoporous silica nanoparticles for DNA separation. Applied Surface 282 3.182 Science, 2016, 387, 1116-1124. Inorganic Nanoparticles., 2016,, 7-43. 284 Polymer composites with surface modified SiO2 nanoparticles: Structures, properties, and promising 285 0.8 11 applications. Polymer Science - Series C, 2016, 58, 93-101. Synthesis of single-phase zinc chromite nano-spinel embedded in polyvinyl alcohol films and its 1.1 effects on energy band gap. Journal of Materials Science: Materials in Electronics, 2016, 27, 12106-12111. Simple phosphinate ligands access zinc clusters identified in the synthesis of zinc oxide nanoparticles. 287 5.8 31 Nature Communications, 2016, 7, 13008. In Situ Surface Engineering of Mesoporous Silica Generates Interfacial Activity and Catalytic 288 1.6 10 Acceleration Effect. ACS Omega, 2016, 1, 930-938. Preparation of rutile TiO₂@avobenzone composites for the further enhancement of 289 1.7 8 sunscreen performance. RSC Advances, 2016, 6, 111865-111871. Self-assembly of polymer-grafted nanoparticles in solvent-free conditions. Soft Matter, 2016, 12, 1.2 9527-9537. Functionalized TiO₂ Nanoparticles Tune the Aggregation Structure and Trapping Property 291 1.5 23 of Polyethylene Nanocomposites. Journal of Physical Chemistry C, 2016, 120, 24754-24761. Polyethylene glycol-coated blue-emitting silicon dots with improved properties for uses in aqueous 1.3 and biological environments. Nanotechnology, 2016, 27, 475704. Mechanical properties development of high-ACN nitrile-butadiene rubber/organoclay nanocomposites. 293 0.9 18 Plastics, Rubber and Composites, 2016, 45, 389-397. Hybrid protein-inorganic nanoparticles: From tumor-targeted drug delivery to cancer imaging. Journal of Controlled Release, 2016, 243, 303-322. 294 4.8 124 Hollow Superparamagnetic Microballoons from Lifelike, Self-Directed Pickering Emulsions Based on 295 7.3 6 Patchy Nanoparticles. ACS Nano, 2016, 10, 10347-10356. Porous silicon–polyaniline hybrid composites synthesized through electroreduction of an aryldiazonium salt: preparation and photocurrent properties. RSC Advances, 2016, 6, 101880-101887. Integration of Gold Nanoparticles into NIRâ€Radiation Curable Powder Resin. ChemistrySelect, 2016, 1, 297 0.7 16 5574-5578. Behavior of protruding lateral plane graphene sheets in liquid dodecane: molecular dynamics 298 simulations. Journal of Nanoparticle Research, 2016, 18, 1.

#	Article	IF	CITATIONS
299	Effects of magnesium silicate on the mechanical properties, biocompatibility, bioactivity, degradability, and osteogenesis of poly(butylene succinate)-based composite scaffolds for bone repair. Journal of Materials Chemistry B, 2016, 4, 7974-7988.	2.9	30
300	On the self-dependent effect of metal nanoparticles on malignant tumors. Biophysics (Russian) Tj ETQq1 1 0.7	784314 rgB ⁻ 0.2	「/Overlock 10
301	High-performance TiO 2 /polyacrylate nanocomposites with enhanced thermal and excellent UV-shielding properties. Progress in Organic Coatings, 2016, 101, 597-603.	1.9	37
302	Nanoindentation and wear behavior of thermally stable biocompatible polysulfone–alumina nanocomposites. RSC Advances, 2016, 6, 100239-100247.	1.7	5
303	Polymer grafted graphene oxide: For improved dispersion in epoxy resin and enhancement of mechanical properties of nanocomposite. Composites Science and Technology, 2016, 136, 145-157.	3.8	105
304	A novel coating material that uses nano-sized SiO2 particles to intensify hydrophobicity and corrosion protection properties. Electrochimica Acta, 2016, 220, 417-426.	2.6	109
305	Interfacial Engineering of Silicon Carbide Nanowire/Cellulose Microcrystal Paper toward High Thermal Conductivity. ACS Applied Materials & Interfaces, 2016, 8, 31248-31255.	4.0	139
306	Chain conformation-dependent thermal conductivity of amorphous polymer blends: the impact of inter- and intra-chain interactions. Physical Chemistry Chemical Physics, 2016, 18, 32146-32154.	1.3	59
307	Technology of liquid-phase compounding of ultra-high-molecular-weight polyethylene with nanoparticles of inorganic compounds under the action of ultrasonic vibrations. Russian Journal of Applied Chemistry, 2016, 89, 1469-1476.	0.1	12
308	Effect of hybrid nanoparticles on glass transition temperature of polymer nanocomposites. Polymer Composites, 2016, 37, 1978-1990.	2.3	18
309	Nanostructured Soft Matter with Magnetic Nanoparticles. Advanced Functional Materials, 2016, 26, 3761-3782.	7.8	41
310	Biopolymers nanocomposite for material protection: Enhancement of corrosion protection using waterborne polyurethane nanocomposite coatings. Progress in Organic Coatings, 2016, 99, 91-102.	1.9	53
311	Stabilization of polystyrene thin films by introduction of a functional end group. Polymer Journal, 2016, 48, 949-953.	1.3	21
312	Fouling resistant nanocomposite cation exchange membrane with enhanced power generation for reverse electrodialysis. Journal of Membrane Science, 2016, 516, 162-171.	4.1	62
313	Electrochemical synthesis and characterization of poly(3-hexylthiophene)/single-walled carbon nanotube array hybrid materials. Journal of Solid State Electrochemistry, 2016, 20, 3179-3187.	1.2	5
314	Formation and properties of hyaluronan/nano Ag and hyaluronan-lecithin/nano Ag films. Carbohydrate Polymers, 2016, 151, 452-457.	5.1	28
315	The combination of adsorption by functionalized halloysite nanotubes and encapsulation by polyelectrolyte coatings for sustained drug delivery. RSC Advances, 2016, 6, 54463-54470.	1.7	30
316	Homogeneously Dispersed Silver Nanoparticles in EVA Laminating Film for Efficiency Enhancement of Silicon Photovoltaic Cells. Macromolecular Research, 2016, 24, 436-440.	1.0	3

#	Article	IF	CITATIONS
317	Preparation of CdFe2O4-polymeric nanoparticles by inverse miniemulsion and its film properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 495, 100-109.	2.3	6
318	Silica encapsulation by miniemulsion polymerization: A novel approach of efficient chemical functionalization on silica nanoparticles. Polymer, 2016, 98, 182-189.	1.8	16
319	Coâ€Deposition of Plasmaâ€Polymerized Polyacrylic Acid and Silver Nanoparticles for the Production of Nanocomposite Coatings Using a Nonâ€Equilibrium Atmospheric Pressure Plasma Jet. Plasma Processes and Polymers, 2016, 13, 623-632.	1.6	27
320	Physical characterization of unfilled and nanofilled dental resins: Static versus dynamic mechanical properties. Dental Materials, 2016, 32, e185-e197.	1.6	28
322	Influence of surface modification of zinc oxide nanoparticles on thermal behavior and hydrophilic property of PET–PEG composites. Polymer Composites, 2016, 37, 1830-1838.	2.3	7
323	Bioavailability of Engineered Nanoparticles in Soil Systems. Journal of Hazardous, Toxic, and Radioactive Waste, 2016, 20, .	1.2	32
324	Development of Biodegradable Poly(citrate)-Polyhedral Oligomeric Silsesquioxanes Hybrid Elastomers with High Mechanical Properties and Osteogenic Differentiation Activity. ACS Applied Materials & Interfaces, 2016, 8, 3079-3091.	4.0	44
325	Multifunctional POSS Cyclic Carbonates and Non-Isocyanate Polyhydroxyurethane Hybrid Materials. Macromolecules, 2016, 49, 742-751.	2.2	75
326	A simple strategy towards the preparation of a highly active bifunctionalized catalyst for the deacetalization reaction. Applied Catalysis A: General, 2016, 513, 47-52.	2.2	14
328	Functional Nanoparticles for Molecular Imaging-Guided Gene Delivery and Therapy. Springer Series in Biomaterials Science and Engineering, 2016, , 273-305.	0.7	2
329	Surface modification in inorganic filler of mixed matrix membrane for enhancing the gas separation performance. Reviews in Chemical Engineering, 2016, 32, .	2.3	42
330	Assessment of ZnO nanoparticles as anticorrosive pigment in hybrid sol–gel films. Progress in Organic Coatings, 2016, 96, 3-12.	1.9	17
331	Synthesis and characterization of core/shell titanium dioxide nanoparticle/polyacrylate nanocomposite colloidal microspheres. Colloid and Polymer Science, 2016, 294, 463-469.	1.0	16
332	Surface modification to produce hydrophobic nano-silica particles using sodium dodecyl sulfate as a modifier. Applied Surface Science, 2016, 364, 103-109.	3.1	74
333	Inorganic/polymer hybrid nanoparticles for sensing applications. Advances in Colloid and Interface Science, 2016, 233, 25-37.	7.0	32
334	Effect of plate-like glass fillers on the mechanical properties of dental nanocomposites. Iranian Polymer Journal (English Edition), 2016, 25, 129-134.	1.3	7
335	Rare earth ions doped polyaniline/cobalt ferrite nanocomposites via a novel coordination-oxidative polymerization-hydrothermal route: Preparation and microwave-absorbing properties. Journal of Magnetism and Magnetic Materials, 2016, 404, 45-52.	1.0	28
336	Crystallization Kinetics of Functionalized Fe ₃ O ₄ /Ethylene-vinyl Acetate Copolymer Nanocomposites Adhesives. Journal of Macromolecular Science - Physics, 2016, 55, 55-72.	0.4	6

#	Article	IF	CITATIONS
337	Effect of silane coupling agents with different non-hydrolytic groups on tensile modulus of composite PDMS crosslinked membranes. Reactive and Functional Polymers, 2016, 98, 1-8.	2.0	18
338	Embedding sulfonated lithium ion-sieves into polyelectrolyte membrane to construct efficient proton conduction pathways. Journal of Membrane Science, 2016, 501, 109-122.	4.1	22
339	Modeling and simulation techniques for polymer nanoparticle composites – A review. Computational Materials Science, 2016, 118, 32-46.	1.4	28
340	Ultrafast photoinduced carrier dynamics at ZnO nanohybrid interfaces for light-harvesting applications. Nanotechnology Reviews, 2016, 5, .	2.6	19
341	LED induced green luminescence in visually transparent PMMA films with CdS precursor. Optical Materials Express, 2016, 6, 290.	1.6	14
342	Effect of Fe-doping on the structural, optical and magnetic properties of ZnO thin films prepared by RF magnetron sputtering. Ceramics International, 2016, 42, 7918-7923.	2.3	20
343	A synergetic analysis method for antifouling behavior investigation on PES ultrafiltration membrane with self-assembled TiO2 nanoparticles. Journal of Colloid and Interface Science, 2016, 469, 164-176.	5.0	48
344	Probing organic ligands and their binding schemes on nanocrystals by mass spectrometric and FT-IR spectroscopic imaging. Nanoscale, 2016, 8, 4573-4578.	2.8	21
345	Preparation and characterization of poly(amide-imide)/ZnO nanocomposites containing pendent benzoxazole and benzimidazole segments. Chinese Journal of Polymer Science (English Edition), 2016, 34, 288-297.	2.0	11
346	Marine microorganisms as potential biofactories for synthesis of metallic nanoparticles. Critical Reviews in Microbiology, 2016, 42, 1007-1019.	2.7	80
347	A review on bisphenol A occurrences, health effects and treatment process via membrane technology for drinking water. Environmental Science and Pollution Research, 2016, 23, 11549-11567.	2.7	104
348	Deinking Sludge: A New Biofiller for HDPE Composites. Polymer-Plastics Technology and Engineering, 2016, 55, 1012-1020.	1.9	8
349	Synthesis and characterization of polyamide/polyester thin-film nanocomposite membranes achieved by functionalized TiO ₂ nanoparticles for water vapor separation. Journal of Materials Chemistry A, 2016, 4, 5592-5604.	5.2	69
350	Organic–inorganic interpenetrated hybrids based on cationic polymer and hydrous zirconium oxide for arsenate and arsenite removal. Chemical Engineering Journal, 2016, 287, 744-754.	6.6	33
351	Mixed matrix proton exchange membranes for fuel cells: State of the art and perspectives. Progress in Polymer Science, 2016, 57, 103-152.	11.8	262
352	Simulations of inorganic–bioorganic interfaces to discover new materials: insights, comparisons to experiment, challenges, and opportunities. Chemical Society Reviews, 2016, 45, 412-448.	18.7	176
353	pH-Sensitive nanogates based on poly(<scp>l</scp> -histidine) for controlled drug release from mesoporous silica nanoparticles. Polymer Chemistry, 2016, 7, 1475-1485.	1.9	103
354	Fabrication and characterization chitosan/functionalized zinc oxide bionanocomposites and study of their antibacterial activity. Composite Interfaces, 2016, 23, 175-189.	1.3	19

#	Article	IF	CITATIONS
355	Synthesis and characterization of (3-Aminopropyl)trimethoxy-silane (APTMS) functionalized Gd ₂ O ₃ :Eu ³⁺ red phosphor with enhanced quantum yield. Nanotechnology, 2016, 27, 065601.	1.3	27
356	Application of SiO2 nanoparticles with double layer coverage consist of citric acid and l(+)-ascorbic acid for the production of poly(vinyl chloride)/SiO2 nanocomposite films with enhanced optical and thermal properties. Polymer Bulletin, 2016, 73, 1701-1717.	1.7	13
357	Fabrication of poly(methyl methacrylate)/silica KIT-6 nanocomposites via in situ polymerization approach and their application for removal of Cu ²⁺ from aqueous solution. RSC Advances, 2016, 6, 11419-11429.	1.7	60
358	Polymer nanocomposites in medicine. Journal of Macromolecular Science - Pure and Applied Chemistry, 2016, 53, 55-62.	1.2	85
359	Nanoencapsulation, Nano-guard for Pesticides: A New Window for Safe Application. Journal of Agricultural and Food Chemistry, 2016, 64, 1447-1483.	2.4	648
360	Synthesis, characterization, and cytotoxicity of the plasmid EGFP-p53 loaded on pullulan–spermine magnetic nanoparticles. Journal of Magnetism and Magnetic Materials, 2016, 402, 34-43.	1.0	28
361	Effect of silane surface modified titania nanoparticles on the thermal, mechanical, and corrosion protective properties of a bisphenol-A based phthalonitrile resin. Progress in Organic Coatings, 2016, 90, 34-43.	1.9	67
362	Preparation of a novel nanocomposite NaLuF ₄ :Gd,Yb,Tm@SiO ₂ @Ag@TiO ₂ with high photocatalytic activity driven by simulated solar light. Dalton Transactions, 2016, 45, 1467-1475.	1.6	20
363	Mechanical, thermal and optical properties of nanocomposite films prepared by solution mixing of poly(vinyl alcohol) with titania nanoparticles modified with citric acid and vitamin C. Journal of Plastic Film and Sheeting, 2016, 32, 293-316.	1.3	14
364	Effects of surface morphology and treatment of iron oxide nanoparticles on the mechanical properties of an epoxy coating. Progress in Organic Coatings, 2016, 90, 10-20.	1.9	45
365	Synthesis of Hyper-Dispersant Based on the Application of Nano-Lubricants. Journal of Dispersion Science and Technology, 2016, 37, 1415-1422.	1.3	3
366	Application of CaO-based/Au nanoparticles as heterogeneous nanocatalysts in biodiesel production. Fuel, 2016, 164, 119-127.	3.4	184
367	Sulfonic Acid-Functionalized Fe ₃ O ₄ Reinforced Soluble Polyimide: Synthesis and Properties. Polymer-Plastics Technology and Engineering, 2016, 55, 259-267.	1.9	9
368	Surface modification of titanium hydride with epoxy resin by ultrasonic wave-assisted ball milling. High Performance Polymers, 2016, 28, 281-287.	0.8	9
369	Sea coral-derived cuttlebone reinforced epoxy composites: Characterization and tensile properties evaluation with mathematical models. Journal of Composite Materials, 2016, 50, 807-823.	1.2	20
370	Enhanced photocatalytic performance of Ni–ZnO/Polyaniline composite for the visible-light driven hydrogen generation. Journal of the Energy Institute, 2016, 89, 694-703.	2.7	21
371	Positively charged phosphonate-functionalized mesoporous silica for efficient uranium sorption from aqueous solution. Journal of Molecular Liquids, 2016, 221, 1231-1236.	2.3	50
372	Mechanical and dynamic mechanical properties of epoxy syntactic foams reinforced by short carbon fiber. Polymer Composites, 2016, 37, 1960-1970.	2.3	34

#	Article	IF	CITATIONS
373	Chemical modification of magnetite with polythiophene and characterization of formed core-shell nanocomposite. Inorganic and Nano-Metal Chemistry, 2017, 47, 121-126.	0.9	9
374	Thermal and mechanical properties enhancements obtained by reinforcing a bisphenol-a based phthalonitrile resin with silane surface-modified alumina nanoparticles. Polymer Composites, 2017, 38, 1549-1558.	2.3	38
375	Structural and morphological study of gammaâ€irradiation synthesized silver nanoparticles. Polymer Composites, 2017, 38, 2687-2694.	2.3	10
376	Poly(styreneâ€ <i>co</i> â€butyl acrylate)/organoâ€silica core–shell and ethylene vinyl acetate nanocomposites. Polymer Composites, 2017, 38, E214.	2.3	2
377	Exploration of the role of modified titania nanoparticles with citric acid and vitamin C in improvement of thermal stability, optical property, and mechanical behavior of novel poly(vinyl) Tj ETQq0 0 0 rgB	T / Q verlocl	k 1 0 Tf 50 5
378	Synthesis and electromagnetic interference shielding of cellulose-derived carbon aerogels functionalized with α-Fe2O3 and polypyrrole. Carbohydrate Polymers, 2017, 161, 158-165.	5.1	56
379	Deposition of aminosilane coatings on porous Al ₂ O ₃ microspheres by means of dielectric barrier discharges. Plasma Processes and Polymers, 2017, 14, 1600211.	1.6	6
380	Preparation of hydrophobic organic-silicanano composites. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 94-101.	1.0	1
381	Elucidating the stabilizing effect of oleic acid coated LaF3: Nd3+ nanoparticle surface in the thermal degradation of PMMA nanocomposites. Materials Chemistry and Physics, 2017, 190, 45-52.	2.0	12
382	Surface-Initiated Controlled Radical Polymerization: State-of-the-Art, Opportunities, and Challenges in Surface and Interface Engineering with Polymer Brushes. Chemical Reviews, 2017, 117, 1105-1318.	23.0	776
383	Recent progress in interfacial polymerization. Materials Chemistry Frontiers, 2017, 1, 1028-1040.	3.2	116
384	Recent progress in marine foul-release polymeric nanocomposite coatings. Progress in Materials Science, 2017, 87, 1-32.	16.0	358
385	Electrospinning design of functional nanostructures for biosensor applications. Journal of Materials Chemistry B, 2017, 5, 1699-1711.	2.9	156
386	Pyrolysis behavior of polysilazane and polysilazane-coated-boron nitride for high thermal conductive composite. Composites Science and Technology, 2017, 141, 1-7.	3.8	49
387	Curing studies and mechanical properties of glass fiber reinforced composites based on silanized clay minerals. Applied Clay Science, 2017, 138, 89-99.	2.6	22
388	Synthesis and Characterization of New Poly(ether-amide-imide)/Amino-Functionalized Fe3O4Nanocomposites. Polymer-Plastics Technology and Engineering, 2017, 56, 966-973.	1.9	1
389	The synthesis of poly(vinyl chloride) nanocomposite films containing ZrO ₂ nanoparticles modified with vitamin B ₁ with the aim of improving the mechanical, thermal and optical properties. Designed Monomers and Polymers, 2017, 20, 378-388.	0.7	32
390	Nanoparticle decoration with surfactants: Molecular interactions, assembly, and applications. Surface Science Reports, 2017, 72, 1-58.	3.8	419

#	Article	IF	CITATIONS
391	UV-curable polyurethane acrylate–Ag/TiO ₂ nanocomposites with superior UV light antibacterial activity. International Journal of Polymeric Materials and Polymeric Biomaterials, 2017, 66, 835-843.	1.8	13
392	Kinetics, Chemistry, and Morphology of Syngas Photoinitiated Chemical Vapor Deposition. Langmuir, 2017, 33, 1780-1791.	1.6	13
393	Using a β-Cyclodextrin-functional Fe ₃ O ₄ as a Reinforcement of PLA: Synthesis, Thermal, and Combustion Properties. Polymer-Plastics Technology and Engineering, 2017, 56, 1366-1373.	1.9	9
394	Luminescent and Optically Detected Magnetic Resonance Studies of CdS/PVA Nanocomposite. Nanoscale Research Letters, 2017, 12, 130.	3.1	9
395	Emission of CdSe quantum dots according to the capping ligands. Current Applied Physics, 2017, 17, 880-884.	1.1	13
396	Biomolecule-assisted synthesis of Ag/reduced graphene oxide nanocomposite with excellent electrocatalytic and antibacterial performance. Materials Science and Engineering C, 2017, 75, 742-751.	3.8	31
397	Efficient synthetic access to thermo-responsive core/shell nanoparticles. Nanotechnology, 2017, 28, 125601.	1.3	10
398	Nanocomposites of polyimide and mixed oxide nanoparticles for high performance nanohybrid gate dielectrics in flexible thin film transistors. Electronic Materials Letters, 2017, 13, 214-221.	1.0	7
399	Biodiesel production from used cooking oil using a novel surface functionalised TiO2 nano-catalyst. Applied Catalysis B: Environmental, 2017, 207, 297-310.	10.8	175
400	Oil dispersible polymethylsilsesquioxane (PMSQ) microspheres improve the flow behavior of waxy crude oil through spacial hindrance effect. Fuel, 2017, 199, 4-13.	3.4	51
401	Citrate-modified maghemite enhanced binding of chitosan coating on cellulose porous membranes for potential application as wound dressing. Carbohydrate Polymers, 2017, 166, 320-328.	5.1	56
402	The Life Cycle of Engineered Nanoparticles. Advances in Experimental Medicine and Biology, 2017, 947, 41-69.	0.8	10
403	Polystyrene-Grafted Silica Nanoparticles: Investigating the Molecular Weight Dependence of Glass Transition and Fragility Behavior. Macromolecules, 2017, 50, 1589-1598.	2.2	51
404	Functional hybrid nanostructure materials: Advanced strategies for sensing applications toward volatile organic compounds. Coordination Chemistry Reviews, 2017, 342, 80-105.	9.5	69
405	Crystallization kinetics and morphology of biodegradable Poly(Îμ-caprolactone) with chain-like distribution of ferroferric oxide nanoparticles: Toward mechanical enhancements. Polymer, 2017, 117, 84-95.	1.8	11
406	Synthesis and magnetic properties of inverted core-shell polyaniline-ferrite composite. Applied Surface Science, 2017, 414, 8-17.	3.1	22
407	Nucleation effect of unmodified graphene nanoplatelets on PVDF/GNP film composites. Materials Today Communications, 2017, 11, 163-173.	0.9	48
408	Review Article: Flow battery systems with solid electroactive materials. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2017, 35, .	0.6	45

#	Article	IF	CITATIONS
409	Facile and cost-effective preparation of PVA/modified calcium carbonate nanocomposites via ultrasonic irradiation: Application in adsorption of heavy metal and oxygen permeation property. Ultrasonics Sonochemistry, 2017, 39, 430-438.	3.8	54
410	Selenium nanoparticles: potential in cancer gene and drug delivery. Nanomedicine, 2017, 12, 1075-1089.	1.7	170
411	Freeâ€volume effects on the thermomechanical performance of epoxy–SiO ₂ nanocomposites. Journal of Applied Polymer Science, 2017, 134, 45216.	1.3	18
412	Study of different 3-aminopropyl triethoxysilane (APTES) concentration on TiO2 particles based IDE for cervical cancer detection. AIP Conference Proceedings, 2017, , .	0.3	2
413	Stimuliâ€Responsive Polymeric Nanoparticles. Macromolecular Rapid Communications, 2017, 38, 1700030.	2.0	79
414	Controlling Oriented Attachment and in Situ Functionalization of TiO ₂ Nanoparticles During Hydrothermal Synthesis with APTES. Journal of Physical Chemistry C, 2017, 121, 11897-11906.	1.5	26
415	Biobased Chitosan Nanocomposite Films Containing Gold Nanoparticles: Obtainment, Characterization, and Catalytic Activity Assessment. ACS Applied Materials & Interfaces, 2017, 9, 16561-16570.	4.0	31
416	Area-selective Surface Modification of Si Substrates with a Fluorescent Organophosphonic Acid Using the Differences in Reactivities of Their Surface Terminal Groups. Chemistry Letters, 2017, 46, 1010-1013.	0.7	0
417	A PLA–TiO ₂ particle brush as a novel support for CuNPs: a catalyst for the fast sequential reduction and N-arylation of nitroarenes. New Journal of Chemistry, 2017, 41, 5347-5354.	1.4	17
418	Rational design of adhesion promoter for organic/inorganic composites. Composites Science and Technology, 2017, 147, 1-7.	3.8	11
419	Mussel-inspired fabrication of functional materials and their environmental applications: Progress and prospects. Applied Materials Today, 2017, 7, 222-238.	2.3	282
420	Effects of surface fluoride-functionalizing of glass fiber on the properties of PTFE/glass fiber microwave composites. RSC Advances, 2017, 7, 22810-22817.	1.7	20
421	Graft polymer synthesis by RAFT transferâ€ŧo. Journal of Polymer Science Part A, 2017, 55, 2865-2876.	2.5	44
422	Synthesis and optical properties investigation of highly dispersed TiO2 nanoparticles surface modified with a quinoline derivative. Journal of Materials Science: Materials in Electronics, 2017, 28, 11987-11993.	1.1	2
423	Effects of silane-modified fillers on properties of dental composite resin. Materials Science and Engineering C, 2017, 79, 382-389.	3.8	84
424	Bottomâ€up trifft auf Topâ€down: Patchâ€artig strukturierte Hybridfasermatten als effiziente Katalyseplattform. Angewandte Chemie, 2017, 129, 416-419.	1.6	10
425	Developmental toxicity of glycine-coated silica nanoparticles in embryonic zebrafish. Environmental Pollution, 2017, 229, 439-447.	3.7	31
426	Manufacture and characterization of chitosan/PLGA nanoparticles nanocomposite buccal films. Carbohydrate Polymers, 2017, 173, 638-644.	5.1	42

#	Article	IF	CITATIONS
427	Interfacial layer thickness design for exploiting the reinforcement potential of nanocellulose in cellulose triacetate matrix. Composites Science and Technology, 2017, 147, 100-106.	3.8	19
428	Bioinorganic antimicrobial strategies in the resistance era. Coordination Chemistry Reviews, 2017, 351, 76-117.	9.5	124
429	Nanostructured micro-raspberries from superparamagnetic iron oxide nanoparticles: Studying agglomeration degree and redispersibility of nanoparticulate powders via magnetisation measurements. Journal of Colloid and Interface Science, 2017, 505, 605-614.	5.0	31
430	Polycarbonate/silica nanocomposite membranes: Fabrication, characterization, and performance evaluation. Journal of Applied Polymer Science, 2017, 134, 45310.	1.3	24
431	Advanced Photoacoustic Imaging Applications of Nearâ€Infrared Absorbing Organic Nanoparticles. Small, 2017, 13, 1700710.	5.2	238
432	Estimation of the surface interaction mechanism of ZnO nanoparticles modified with organosilane groups by Raman Spectroscopy. Ceramics International, 2017, 43, 11838-11847.	2.3	90
433	Highly dispersible silver nanowires via a diblock copolymer approach for potential application in transparent conductive composites. New Journal of Chemistry, 2017, 41, 6349-6358.	1.4	1
434	lso-propanol assisted preparation of individualized functional palygorskite fibers and its impact on improving dispersion abilities in polymer nanocomposites. Korean Journal of Chemical Engineering, 2017, 34, 1827-1833.	1.2	4
435	Optimal conditions for producing bactericidal sodium hyaluronate-TiO2 bionanocomposite and its characterization. International Journal of Biological Macromolecules, 2017, 104, 449-456.	3.6	20
436	Preparation of high-performance Al 2 O 3 /PES composite hollow fiber UF membranes via facile in-situ vapor induced hydrolyzation. Journal of Membrane Science, 2017, 539, 65-75.	4.1	49
437	Mizoroki–Heck Cross-Coupling Reaction of Haloarenes Mediated by a Well-Controlled Modified Polyacrylamide Brush Grafted Silica/Pd Nanoparticle System. Bulletin of the Chemical Society of Japan, 2017, 90, 485-490.	2.0	10
438	Loess surface grafted functional copolymer for removing basic fuchsin. RSC Advances, 2017, 7, 18379-18383.	1.7	14
439	Hollow amphiphilic crosslinked nanocapsules from sacrificial silica nanoparticle templates and their application as dispersants for oil spill remediation. Polymer Chemistry, 2017, 8, 5129-5138.	1.9	21
440	PEC-PE/clay composite carriers for doxorubicin: Effect of composite structure on release, cell interaction and cytotoxicity. Acta Biomaterialia, 2017, 55, 443-454.	4.1	35
441	Preparation and characterization of some electrospun polysulfone nanocomposites reinforced with Ni doped SnO 2 nanoparticles. European Polymer Journal, 2017, 91, 326-336.	2.6	6
442	Oneâ€6tep Direct Synthesis of SiO ₂ –TiO ₂ Composite Nanoparticle Assemblies with Hollow Spherical Morphology. European Journal of Inorganic Chemistry, 2017, 2017, 3017-3023.	1.0	10
443	SGO/SPEN-based highly selective polymer electrolyte membranes for direct methanol fuel cells. Ionics, 2017, 23, 2143-2152.	1.2	33
444	Strategies for using nanoprobes to perceive and treat cancer activity: a review. Journal of Biological Engineering, 2017, 11, 13.	2.0	11

	CITATION RE	CITATION REPORT	
#	Article	IF	Citations
445	Catalytic reduction of NACs by nano Fe ₃ O ₄ /quinone composites in the presence of a novel marine exoelectrogenic bacterium under hypersaline conditions. RSC Advances, 2017, 7, 11852-11861.	1.7	17
446	Mechanism Exploration of Ion Transport in Nanocomposite Cation Exchange Membranes. ACS Applied Materials & Interfaces, 2017, 9, 13491-13499.	4.0	31
447	A novel luminescent chemical sensor for the determination of Pb2+ and Cu2+ ions. Sensors and Actuators B: Chemical, 2017, 247, 296-304.	4.0	4
448	High-density polystyrene-grafted silver nanoparticles and their use in the preparation of nanocomposites with antibacterial properties. Journal of Colloid and Interface Science, 2017, 498, 9-21.	5.0	55
449	Polyethylenimine-functionalized pyroxene nanoparticles embedded on Diatomite for adsorptive removal of dye from textile wastewater in a fixed-bed column. Chemical Engineering Journal, 2017, 320, 389-404.	6.6	90
450	Bottomâ€Up Meets Topâ€Down: Patchy Hybrid Nonwovens as an Efficient Catalysis Platform. Angewandte Chemie - International Edition, 2017, 56, 405-408.	7.2	67
451	Studies on the effects of titanate and silane coupling agents on the performance of poly (methyl) Tj ETQq0 0 0 r	gB <u>T</u> /Over	lock 10 Tf 50
452	Progress and perspectives for synthesis of sustainable antifouling composite membranes containing in situ generated nanoparticles. Journal of Membrane Science, 2017, 524, 502-528.	4.1	156
453	Influence of fullerene-like tungsten disulfide (IF-WS 2) nanoparticles on thermal and dynamic mechanical properties of PP/EVA blends: Correlation with microstructure. Composites Part B: Engineering, 2017, 111, 74-82.	5.9	19
454	Investigation of thermal, mechanical behavior, and contact angle measurements of poly(vinyl) Tj ETQq1 1 0.7843 Bulletin, 2017, 74, 3213-3228.	814 rgBT / 1.7	Overlock 10 6
455	Superior mechanical properties of poly vinyl alcohol-assisted ZnO nanoparticle reinforced epoxy composites. Materials Chemistry and Physics, 2017, 192, 198-209.	2.0	16
456	Modification of TiO ₂ Nanoparticles with Oleyl Phosphate via Phase Transfer in the Toluene–Water System and Application of Modified Nanoparticles to Cyclo-Olefin-Polymer-Based Organic–Inorganic Hybrid Films Exhibiting High Refractive Indices. ACS Applied Materials & Interfaces, 2017, 9, 1907-1912.	4.0	19
457	Efficient initiation of radicalâ€mediated thiolâ€ene chemistry with photoactive silica particles. Journal of Polymer Science Part A, 2017, 55, 894-902.	2.5	12
458_	Polymer Nanocomposites based on Modified ZrO ₂ NPs and Poly(vinyl alcohol)/Poly(vinyl) Tj ETQq1	1 0.7843 1.9	14 rgBT /Over 21

	Engineering, 2017, 56, 1136-1145.		
459	Constructing Fluorine-Free and Cost-Effective Superhydrophobic Surface with Normal-Alcohol-Modified Hydrophobic SiO ₂ Nanoparticles. ACS Applied Materials & Interfaces, 2017, 9, 858-867.	4.0	106
460	Preparation and characteristics of polyimide/CaMoO4 nanocomposites with enhanced dielectric performance and thermal stability. Journal of Materials Science: Materials in Electronics, 2017, 28, 5215-5221.	1.1	4
461	Anti-microbial surfaces: An approach for deposition of ZnO nanoparticles on PVA-Gelatin composite film by screen printing technique. Materials Science and Engineering C, 2017, 73, 257-266.	3.8	41
462	Rheology and applications of highly filled polymers: A review of current understanding. Progress in Polymer Science, 2017, 66, 22-53	11.8	287

#	Article	IF	CITATIONS
463	Role of Atomic Layer Functionalization in Building Scalable Bottom-Up Assembly of Ultra-Low Density Multifunctional Three-Dimensional Nanostructures. ACS Nano, 2017, 11, 806-813.	7.3	14
464	Modified polyurethane nanofibers as antibacterial filters for air and water purification. RSC Advances, 2017, 7, 49177-49187.	1.7	36
465	Dispersion stability of thermal nanofluids. Progress in Natural Science: Materials International, 2017, 27, 531-542.	1.8	241
467	Inorganic Nanocomposites—A New Paradigm in Drug Delivery. , 2017, , 317-357.		0
468	Colloidal nano-toolbox for molecularly regulated polymerization: chemorheology over 6 decades of viscoelasticity. Materials Horizons, 2017, 4, 1165-1170.	6.4	5
469	Elucidating the Nanoparticle–Metal Organic Framework Interface of Pt@ZIF-8 Catalysts. Journal of Physical Chemistry C, 2017, 121, 25079-25091.	1.5	28
470	Nanocomposite polymer structures for optical sensors of hydrogen sulfide. Technical Physics, 2017, 62, 1277-1280.	0.2	6
471	Hybrid Nanocomposite Films Comprising Dispersed VO ₂ Nanocrystals: A Scalable Aqueous-Phase Route to Thermochromic Fenestration. ACS Applied Materials & Interfaces, 2017, 9, 38887-38900.	4.0	30
472	In Situ Fabrication of Oneâ€Dimensionalâ€Based Lotusâ€Like Silicone/l'–Al ₂ O ₃ Nanocomposites for Marine Fouling Release Coatings. ChemistrySelect, 2017, 2, 9691-9700.	0.7	27
473	Monomer Protonationâ€Dependent Surface Polymerization to Achieve Oneâ€Step Grafting Crossâ€Linked Poly(4â€Vinylpyridine) Onto Core–Shell Fe ₃ O ₄ @SiO ₂ Nanoparticles. Macromolecular Rapid Communications, 2017, 38, 1700494.	2.0	8
474	Polypyrroleâ€magnetite dispersive microâ€solidâ€phase extraction combined with ultravioletâ€visible spectrophotometry for the determination of rhodamine 6G and crystal violet in textile wastewater. Journal of Separation Science, 2017, 40, 4256-4263.	1.3	7
475	Performance Enhancement of PA-TFC RO Membrane by Using Magnesium Silicate Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 201-214.	1.9	16
476	Confinement Effects on Host Chain Dynamics in Polymer Nanocomposite Thin Films. Macromolecules, 2017, 50, 7241-7248.	2.2	9
477	Application of CuO nanoparticles modified with vitamin B ₁ for the production of poly(vinyl alcohol)/CuO nanocomposite films with enhanced optical, thermal and mechanical properties. Polymers for Advanced Technologies, 2017, 28, 1823-1830.	1.6	6
478	Silica-encapsulated CdTe/MPA quantum dots: microstructural, thermal, and chemical stability characterization. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	4
479	Speeding up the magnetic sedimentation of surface-modified iron-based nanoparticles. Separation and Purification Technology, 2017, 188, 341-347.	3.9	7
480	Fabrication of reactive pigment composite particles for blue-light curable inkjet printing of textiles. RSC Advances, 2017, 7, 36175-36184.	1.7	17
481	QDs decorated with thiol-monomer ligands as new multicrosslinkers for the synthesis of smart luminescent nanogels and hydrogels. Polymer Chemistry, 2017, 8, 5317-5326.	1.9	20

#	Article	IF	CITATIONS
482	Hybrid nanocomposites based on electroactive hydrogels and cellulose nanocrystals for high-sensitivity electro–mechanical underwater actuation. Smart Materials and Structures, 2017, 26, 085030.	1.8	23
483	Photochromic Inorganic/Organic Thermoplastic Elastomers. Macromolecular Rapid Communications, 2017, 38, 1700210.	2.0	9
484	Electron-rich phenanthroline as organic linkers in molybdenum oxide layered hybrid. Materials Letters, 2017, 204, 141-144.	1.3	5
485	Confinement of Semiconductor ZnO Nanoparticles in Block Copolymer Nanostructure. Journal of Physical Chemistry C, 2017, 121, 16617-16628.	1.5	8
486	High-performance magnetic poly (arylene ether nitrile) nanocomposites: Co-modification of Fe 3 O 4 via mussel inspired poly(dopamine) and amino functionalized silane KH550. Applied Surface Science, 2017, 425, 905-914.	3.1	55
487	Synthesis of self-suspending silica proppants using photoactive hydrogels. Journal of Petroleum Science and Engineering, 2017, 157, 651-656.	2.1	8
488	Application of organic-inorganic hybrid composite particle for removal of heavy metal ions from aqueous solution and its toxicity evaluation. European Polymer Journal, 2017, 95, 335-347.	2.6	14
489	Surface-initiated polymerization on unmodified inorganic semiconductor nanoparticles via surfactant-free aerosol-based synthesis toward core–shell nanohybrids with a tunable shell thickness. Journal of Materials Chemistry A, 2017, 5, 18651-18663.	5.2	42
490	Refractive-Index Tuning of Highly Fluorescent Carbon Dots. ACS Applied Materials & Interfaces, 2017, 9, 28930-28938.	4.0	51
491	Investigation of the Adsorption of Amphipathic macroRAFT Agents onto Montmorillonite Clay. Langmuir, 2017, 33, 9598-9608.	1.6	17
492	Individualization and Stabilization of Zinc Oxide Nanorods by Covalent Functionalization with Positively Charged Catechol Derivatives. Chemistry - A European Journal, 2017, 23, 17257-17268.	1.7	8
494	A Small Molecule Nanodrug by Self-Assembly of Dual Anticancer Drugs and Photosensitizer for Synergistic near-Infrared Cancer Theranostics. ACS Applied Materials & Interfaces, 2017, 9, 43508-43519.	4.0	107
495	Sensitive and robust colorimetric assay of Hg2+ and S2â^' in aqueous solution directed by 5-sulfosalicylic acid-stabilized silver nanoparticles for wide range application in real samples. Journal of Environmental Chemical Engineering, 2017, 5, 5645-5654.	3.3	28
496	Nanoparticles and Their Applications. Springer Handbooks, 2017, , 335-361.	0.3	14
497	Waterborne acrylic hybrid adhesives based on a methacrylate-functionalized porous clay heterostructure for potential lamination application. Journal of Materials Research, 2017, 32, 3689-3698.	1.2	2
498	Comparison of Field-Theoretic Approaches in Predicting Polymer Nanocomposite Phase Behavior. Macromolecules, 2017, 50, 8797-8809.	2.2	16
499	The effect of size and concentration of nanoparticles on the glass transition temperature of polymer nanocomposites. RSC Advances, 2017, 7, 50113-50120.	1.7	28
500	Performance improvement of the ethylene-vinyl acetate copolymer (EVA) pour point depressant by small dosages of the polymethylsilsesquioxane (PMSQ) microsphere: An experimental study. Fuel, 2017, 207, 204-213.	3.4	59

#	Article	IF	CITATIONS
501	Production of Ultrafine Dry Powders of Surface-intact and Unmodified Cellulose Nanowhiskers via Homogenization in Nonpolar Organic Solvents. Chemistry Letters, 2017, 46, 1438-1441.	0.7	6
502	Shape memory interpenetrating network hybrids of epoxy/poly(urea-amide) and organic nanoparticle. Journal of the Chinese Advanced Materials Society, 2017, 5, 158-173.	0.7	2
503	Enhanced conductivity of sodium versus lithium salts measured by impedance spectroscopy. Sodium cobaltacarboranes as electrolytes of choice. Physical Chemistry Chemical Physics, 2017, 19, 15177-15186.	1.3	29
504	Synthesis and characterization of water-sensitive core-shell type microspheres for water shut-off in the oil field. Russian Journal of Applied Chemistry, 2017, 90, 310-323.	0.1	10
505	Functional graphene nanoplatelet reinforced epoxy resin and polystyrene-based block copolymer nanocomposite. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 47-57.	1.0	13
506	Incorporating functionalized silica nanoparticles in polyethersulfoneâ€based anion exchange nanocomposite membranes. Journal of Applied Polymer Science, 2017, 134, .	1.3	9
507	Synthesis of silica Janus nanoparticles by buoyancy effect-induced desymmetrization process and their placement at the PS/PMMA interface. Colloid and Polymer Science, 2017, 295, 25-36.	1.0	41
508	Anomalous behavior of the dielectric and electrical properties of polymeric nanodielectric poly(vinyl) Tj ETQq1	0.784314 1.3	rgBT /Over o
509	Surface modification of hybrid-fabric composites with amino silane and polydopamine for enhanced mechanical and tribological behaviors. Tribology International, 2017, 107, 10-17.	3.0	72
510	Enhancement in Performance of Sulfonated PES Cation-Exchange Membrane by Introducing Pristine and Sulfonated Graphene Oxide Nanosheets Synthesized through Hummers and Staudenmaier Methods. Polymer-Plastics Technology and Engineering, 2017, 56, 543-555.	1.9	16
511	A detailed investigation of the microwave assisted phenylphosphonic acid modification of P25 TiO2. Advanced Powder Technology, 2017, 28, 236-243.	2.0	12
512	Curing behaviors of cyanate ester/epoxy copolymers and their dielectric properties. High Performance Polymers, 2017, 29, 1175-1184.	0.8	28
513	Enhanced dielectric and magnetic properties of polystyrene added CoFe 2 O 4 magnetic nanoparticles. Journal of Physics and Chemistry of Solids, 2017, 102, 1-11.	1.9	28
514	Aging and behavior of functional TiO 2 nanoparticles in aqueous environment. Journal of Hazardous Materials, 2017, 325, 113-119.	6.5	19
515	Self-cleaning and antifouling properties of plasma-grafted poly(vinylidene fluoride) membrane coated with ZnO for water treatment. Journal of the Taiwan Institute of Chemical Engineers, 2017, 70, 15-22.	2.7	59
516	Engineering nanocomposite membranes: Addressing current challenges and future opportunities. Desalination, 2017, 401, 1-15.	4.0	91
517	Defining the characteristics of spherical Janus particles by investigating the behavior of their corresponding particles at the oil/water interface in a Pickering emulsion. Journal of Dispersion Science and Technology, 2017, 38, 985-991.	1.3	19
518	<i>Hibiscus sabdariffa</i> L. leaf extract mediated green synthesis of silver nanoparticles and its use in catalytic reduction of 4-nitrophenol. Inorganic and Nano-Metal Chemistry, 2017, 47, 788-793.	0.9	17

#	ARTICLE	IF	CITATIONS
519	Synthesis, characterization, thermal, electrical and magnetic properties of polyaniline composites with rare earth gadolinium coordination complex. Polymers for Advanced Technologies, 2017, 28, 411-420.	1.6	6
520	Formation and distribution of ZnO nanoparticles and its effect on E. coli in the presence of sepiolite and silica within the chitosan matrix via sonochemistry. Ultrasonics Sonochemistry, 2017, 38, 720-725.	3.8	9
521	Surface modification of hollow glass microsphere with different coupling agents for potential applications in phenolic syntactic foams. Journal of Applied Polymer Science, 2017, 134, .	1.3	26
522	Towards transparent <scp>PMMA/S</scp> i <scp>O</scp> ₂ nanocomposites with promising scratchâ€resistance by manipulation of <scp>SiO</scp> ₂ aggregation followed by <i>in situ</i> polymerization. Journal of Applied Polymer Science, 2017, 134, .	1.3	11
523	Synthesis, Characterization, Electrical Conductivity and Material Properties of Magnetite/Polyindole/Poly(vinyl alcohol) Blend Nanocomposites. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 323-333.	1.9	40
524	The effect of polymer grafting in the dispersibility of alumina/polysulfone nanocomposites. Macromolecular Research, 2017, 25, 11-20.	1.0	6
525	Hydroxylated α-Fe2O3 nanofiber: Optimization of synthesis conditions, anionic dyes adsorption kinetic, isotherm and error analysis. Journal of the Taiwan Institute of Chemical Engineers, 2017, 70, 188-199.	2.7	36
526	Hydrogen-bonded polymer nanocomposites containing discrete layers of gold nanoparticles. Journal of Colloid and Interface Science, 2017, 485, 260-268.	5.0	18
527	Tailoring the interfaces in conducting polymer composites by controlled polymerization. , 2017, , 101-134.		1
528	Ceramic-Based Polybenzoxazine Micro- and Nanocomposites. , 2017, , 861-919.		4
529	Recent advances in hydrophilic modification of PVDF ultrafiltration membranes – a review: part II. Membrane Technology, 2017, 2017, 5-11.	0.5	13
530	Preparation of Element Block by Surface Modification of Magnetite Nanoparticles and Their Application. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2017, 64, 116-120.	0.1	1
531	High Performance Polymer Nanocomposites for Structural Applications. , 2017, , 159-194.		7
532	Investigation on morphology, properties, and applications of hybrid poly(vinyl chloride)/metal oxide composites. , 2017, , 343-377.		9
533	Functionalized TiO ₂ nanoparticles by single-step hydrothermal synthesis: the role of the silane coupling agents. Beilstein Journal of Nanotechnology, 2017, 8, 304-312.	1.5	40
534	Nanocomposite Based on Functionalized Gold Nanoparticles and Sulfonated Poly(ether ether ketone) Membranes: Synthesis and Characterization. Materials, 2017, 10, 258.	1.3	9
535	SERS Detection of Penicillin G Using Magnetite Decorated with Gold Nanoparticles. Magnetochemistry, 2017, 3, 32.	1.0	19
536	Surfactant Effects on Structure and Mechanical Properties of Ultrahigh-Molecular-Weight Polyethylene/Layered Silicate Composites. Molecules, 2017, 22, 2149.	1.7	5

	Сіта	tion Report	
#	Article	IF	CITATIONS
537	Review on the Processing and Properties of Polymer Nanocomposites and Nanocoatings and Their Applications in the Packaging, Automotive and Solar Energy Fields. Nanomaterials, 2017, 7, 74.	1.9	524
538	Nanofluid Types, Their Synthesis, Properties and Incorporation in Direct Solar Thermal Collectors: A Review. Nanomaterials, 2017, 7, 131.	1.9	135
539	Reducing Water Sensitivity of Chitosan Biocomposite Films Using Gliadin Particles Made by In Situ Method. Polymers, 2017, 9, 583.	2.0	8
540	Graphene Coating on Copper by Electrophoretic Deposition for Corrosion Prevention. Coatings, 2017, 7, 214.	1.2	86
541	Rubber nanocomposites with metal oxides as nanofillers. , 2017, , 285-318.		4
542	Nanocomposite filtration membranes for drinking water purification. , 2017, , 517-549.		4
543	Electrostatic Assembly of Platinum Nanoparticles along Electrospun Polymeric Nanofibers for High Performance Electrochemical Sensors. Nanomaterials, 2017, 7, 236.	1.9	18
544	Chemical and Photochemical Routes Toward Tailor-Made Polymer–Clay Nanocomposites. , 2017, , 145-197.		2
545	α-((4-Cyanobenzoyl)oxy)-ï‰-methyl poly(ethylene glycol): a new stabilizer for silver nanoparticles. Beilstein Journal of Nanotechnology, 2017, 8, 627-635.	1.5	3
546	Molecular Layer Deposition for Energy Conversion and Storage. ACS Energy Letters, 2018, 3, 899-914.	8.8	123
547	Mesoporous carboxylated Mn 2 O 3 nanofibers: Synthesis, characterization and dye removal property. Journal of the Taiwan Institute of Chemical Engineers, 2018, 86, 57-72.	2.7	21
548	Mechanical properties of epoxy/boehmite nanocomposites in dependency of mass fraction and surface modification - An experimental and numerical approach. Polymer, 2018, 141, 34-45.	1.8	32
549	Assembly of Amphiphilic Block Copolymers and Nanoparticles in Solution: Coarse-Grained Molecular Simulation Study. Journal of Chemical & Engineering Data, 2018, 63, 2351-2367.	1.0	27
550	Preparation and characterization of novel polyimide/functionalized ZnO bionanocomposite for gas separation and study of their antibacterial activity. Solid State Sciences, 2018, 78, 46-57.	1.5	10
551	A detour strategy for colloidally stable block-copolymer grafted MAPbBr ₃ quantum dots in water with long photoluminescence lifetime. Nanoscale, 2018, 10, 5820-5826.	2.8	45
552	Nanocomposite thin films for triggerable drug delivery. Expert Opinion on Drug Delivery, 2018, 15, 509-522.	2.4	15
553	Surface Modification of Nanoclay for the Synthesis of Polycaprolactone (PCL) – Clay Nanocomposite. MATEC Web of Conferences, 2018, 150, 02005.	0.1	5
554	Synthesis of polystyrene-grafted nanosilica via nitroxide radical coupling reaction and its application in UV-curable acrylate-based coating systems. Progress in Organic Coatings, 2018, 119, 76-84.	1.9	5

#	Article	IF	CITATIONS
555	Modification of the crystal lattice and optical band gap of ZnO nanostructures by the polyelectrolytes presence. Journal of Materials Science: Materials in Electronics, 2018, 29, 15604-15612.	1.1	5
556	Modification of TiO ₂ nanotubes with 3-aminopropyl triethoxysilane and its performances in nanocomposite coatings. New Journal of Chemistry, 2018, 42, 8745-8751.	1.4	20
557	Controllable preparation of highly dispersed TiO ₂ nanoparticles for enhanced catalytic oxidation of dibenzothiophene in fuels. Applied Organometallic Chemistry, 2018, 32, e4351.	1.7	5
558	Spark Plasma Sintering of TiN (Shell)–Si3N4 (Nanofiber) System. Powder Metallurgy and Metal Ceramics, 2018, 56, 625-632.	0.4	0
559	Controlled shell on nanoparticles as a tool to regulate the properties of immobilized molecules. Journal of Alloys and Compounds, 2018, 745, 430-435.	2.8	8
560	Modification of poly(benzimidazoleâ€amide) nanocomposites by the incorporation of amineâ€functionalized ZnO nanoparticles: Thermal and morphological characterization. Polymers for Advanced Technologies, 2018, 29, 1834-1842.	1.6	7
561	Evaluation of spectral, thermal, flame retardant, dielectric, solvent diffusion, and transport behavior of novel nanocomposite derived from chlorinated styrene butadiene rubber and manganous tungstate. Polymer Composites, 2018, 39, E1880.	2.3	19
562	Luminescent SiO2 nanoparticles for cell labelling: Combined water dispersion polymerization and 3D condensation controlled by oligoperoxide surfactant-initiator. European Polymer Journal, 2018, 103, 282-292.	2.6	4
563	Comparison between the Mori-Tanaka and generalized self-consistent methods in the framework of anti-plane strain inclusion problem in strain gradient elasticity. Mechanics of Materials, 2018, 122, 133-144.	1.7	27
564	Ceramic hyperbranched alkyd/Ĵ³-Al 2 O 3 nanorods composite as a surface coating. Progress in Organic Coatings, 2018, 120, 217-227.	1.9	20
566	Aerobic method for the synthesis of nearly size-monodisperse bismuth nanoparticles from a redox non-innocent precursor. Nanotechnology, 2018, 29, 155603.	1.3	8
567	Toxicity Assessment in the Nanoparticle Era. Advances in Experimental Medicine and Biology, 2018, 1048, 1-19.	0.8	54
568	Click-based transparent durable films derived from tetrabrachius PDMS-bridged epoxy acrylates and surface modified nanosilica particles. Progress in Organic Coatings, 2018, 117, 166-173.	1.9	7
569	Molecular dynamics simulations and PRISM theory study of solutions of nanoparticles and triblock copolymers with solvophobic end blocks. Molecular Systems Design and Engineering, 2018, 3, 453-472.	1.7	8
570	Polymeric Nanocomposites (PNCs) for Wastewater Remediation: An Overview. Polymer-Plastics Technology and Engineering, 2018, 57, 1801-1827.	1.9	24
571	Organic–inorganic hybrid optical foils with strong visible reflection, excellent near infrared-shielding ability and high transparency. Nanotechnology, 2018, 29, 095705.	1.3	7
572	Mesoporous MgO/PPG hybrid nanofibers: synthesis, optimization, characterization and heavy metal removal property. New Journal of Chemistry, 2018, 42, 2013-2029.	1.4	29
574	Removal of heavy metal ions using a carboxylated graphene oxide-incorporated polyphenylsulfone nanofiltration membrane. Environmental Science: Water Research and Technology, 2018, 4, 438-448.	1.2	90

#	Article	IF	CITATIONS
575	Preparation of polystyrene/MWCNTâ€Valine composites: Investigation of optical, morphological, thermal, and electrical conductivity properties. Polymers for Advanced Technologies, 2018, 29, 1182-1190.	1.6	11
576	<i>In situ</i> preparation of Ag nanoparticles on silicon wafer as highly sensitive SERS substrate. RSC Advances, 2018, 8, 2887-2891.	1.7	22
577	Optimized preparation of alumina based fillers for tuning composite properties. Ceramics International, 2018, 44, 7442-7449.	2.3	25
578	Synthesis and characterization of biofouling-resistant nanocomposites based on glucamine polymers and silver/acrylic acid nanoparticles. Polymer Bulletin, 2018, 75, 4555-4569.	1.7	3
579	Controllable synthesis of raspberry-like PS–SiO ₂ nanocomposite particles <i>via</i> Pickering emulsion polymerization. RSC Advances, 2018, 8, 3910-3918.	1.7	26
580	Antibiofouling thin-film composite membranes (TFC) by in situ formation of Cu-(m-phenylenediamine) oligomer complex. Journal of Materials Science, 2018, 53, 6325-6338.	1.7	23
581	Comparative assessment of toxicity of ZnO and amine-functionalized ZnO nanorods toward Daphnia magna in acute and chronic multigenerational tests. Aquatic Toxicology, 2018, 197, 32-40.	1.9	26
583	Effects of corona treatment on morphology and properties of carbon based fillers/epoxy nanocomposites. Polymer Composites, 2018, 39, E2298.	2.3	6
584	Enhancing inductance of spiral copper inductor with BaFe 12 O 19 /poly (phenylene oxide) composite as an embedded magnetic core. Composites Part B: Engineering, 2018, 138, 232-242.	5.9	13
585	In-situ preparation and characterization of ultra-high molecular weight polyethylene/diamond nanocomposites using Bi-supported Ziegler-Natta catalyst: Effect of nanodiamond silanization. Materials Today Communications, 2018, 14, 53-64.	0.9	26
586	Molecular dynamics study on nanoâ€particles reinforced oxide glass. Journal of the American Ceramic Society, 2018, 101, 2266-2276.	1.9	24
587	A review on new mesostructured composite materials: Part I. synthesis of polymer-mesoporous silica nanocomposite. Journal of Reinforced Plastics and Composites, 2018, 37, 441-459.	1.6	23
588	Dispersion of nanoparticles in polymer matrices with well-designed ligands as dispersant/emulsifier/comonomer. Composites Science and Technology, 2018, 156, 215-222.	3.8	16
589	Sequential synthesis of a magnetic nano-adsorbent: How the first step identifies the final product. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 541, 97-107.	2.3	7
590	Highly Stable and Luminescent Perovskite–Polymer Composites from a Convenient and Universal Strategy. ACS Applied Materials & Interfaces, 2018, 10, 4971-4980.	4.0	176
591	Facile preparation of fluorescent layered double hydroxide polymeric composites through the photo-induced surface-initiated controlled living polymerization. Applied Surface Science, 2018, 439, 254-262.	3.1	9
592	Adhesion properties of the nanocomposites filled with aluminosilicates and factors affecting them: A review. International Journal of Adhesion and Adhesives, 2018, 82, 263-281.	1.4	14
593	Preparation and characterization of silane-modified SiO2 particles reinforced resin composites with fluorinated acrylate polymer. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 80, 11-19.	1.5	21

#	Article	IF	CITATIONS
594	Utility of PEGylated dithiolane ligands for direct synthesis of water-soluble Au, Ag, Pt, Pd, Cu and AuPt nanoparticles. Chemical Communications, 2018, 54, 1956-1959.	2.2	12
595	Preparation of silica/poly(styreneâ€ <i>co</i> â€butyl acrylate) core/shell composite particles for absorption of toluene. Journal of Applied Polymer Science, 2018, 135, 46172.	1.3	3
596	Effects of chemically heterogeneous nanoparticles on polymer dynamics: insights from molecular dynamics simulations. Soft Matter, 2018, 14, 1219-1226.	1.2	16
597	<i>In situ</i> preparation of magnetite/cuprous oxide/poly(AMPS/NIPAm) for removal of methylene blue from waste water. Polymer International, 2018, 67, 471-480.	1.6	12
598	Citric Acid and Vitamin C as Coupling Agents for the Surface Coating of ZrO2 Nanoparticles and Their Behavior on the Optical, Mechanical, and Thermal Properties of Poly(vinyl alcohol) Nanocomposite Films. Journal of Polymers and the Environment, 2018, 26, 2813-2824.	2.4	16
599	Facile synthesis of bio-sourced polyurethane- fluorosilane modified TiO2 hybrid coatings for high-performance self cleaning application. Journal of Polymer Research, 2018, 25, 1.	1.2	8
600	Recyclable magnetic nanoparticles grafted with antimicrobial metallopolymer-antibiotic bioconjugates. Biomaterials, 2018, 178, 363-372.	5.7	33
601	Dependence of Nanoparticle Toxicity on Their Physical and Chemical Properties. Nanoscale Research Letters, 2018, 13, 44.	3.1	713
602	Rotating magnetic field-controlled fabrication of magnetic hydrogel with spatially disk-like microstructures. Science China Materials, 2018, 61, 1112-1122.	3.5	18
603	Molecular dynamics simulations of the aggregation behaviour of overlapped graphene sheets in linear aliphatic hydrocarbons. Molecular Simulation, 2018, 44, 947-953.	0.9	4
604	Facile preparation of thermoresponsive fluorescent silica nanopaprticles based composites through the oxygen tolerance light-induced RAFT polymerization. Journal of Molecular Liquids, 2018, 259, 179-185.	2.3	14
605	Polymer/SiO2 nanocomposites: Production and applications. Progress in Materials Science, 2018, 97, 409-447.	16.0	144
606	Effect of ZnO Filler on Structural and Optical Properties of Polyaniline-ZnO Nanocomposites. Procedia Manufacturing, 2018, 20, 127-134.	1.9	17
607	Adsorptive removal of radioactive isotopes of cobalt and zinc from water and radioactive wastewater using TiO2/Ag2O nanoadsorbents. Progress in Nuclear Energy, 2018, 106, 51-63.	1.3	34
608	Surface engineering of nanoparticles with macromolecules for epoxy curing: Development of super-reactive nitrogen-rich nanosilica through surface chemistry manipulation. Applied Surface Science, 2018, 447, 152-164.	3.1	112
609	Comparison between polyether titanate and commercial coupling agents on the properties of calcium sulfate whisker/poly(vinyl chloride) composites. Journal of Alloys and Compounds, 2018, 750, 197-205.	2.8	41
610	Silicone-urea copolymer as a basis for self-organized multiphase nanomaterials. Polymer, 2018, 143, 200-211.	1.8	11
611	The mechanism for the temperature-dependency of the interfacial interaction in polyamide/tin-fluoro-phosphate glass composites. Composites Science and Technology, 2018, 159, 273,282	3.8	5

#	Article	IF	CITATIONS
612	3D up-conversion display of NaYF4-PMMA covalent-linking nanocomposites. Journal of Alloys and Compounds, 2018, 753, 725-730.	2.8	19
613	Understanding and tailoring ligand interactions in the self-assembly of branched colloidal nanocrystals into planar superlattices. Nature Communications, 2018, 9, 1141.	5.8	32
614	Impact of nanoparticle surface modification on the mechanical properties of polystyrene-based nanocomposites. RSC Advances, 2018, 8, 11109-11118.	1.7	24
615	Effects of surface treatment of TiO2 nanoparticles on the adhesion and anticorrosion properties of the epoxy coating on mild steel using electrochemical technique. Progress in Organic Coatings, 2018, 119, 99-108.	1.9	51
616	Recent advances and remaining challenges for polymeric nanocomposites in healthcare applications. Progress in Polymer Science, 2018, 80, 1-38.	11.8	155
617	A Review: Research into Organic Surface Treatment of Titanium Dioxide Material. Materials Science Forum, 2018, 914, 193-201.	0.3	3
618	Low density ablative materials modified by nanoparticles addition: Manufacturing and characterization. Composites Part A: Applied Science and Manufacturing, 2018, 109, 330-337.	3.8	43
619	Peptide ligandâ€mediated endocytosis of nanoparticles to cancer cells: Cell receptorâ€binding―versus cell membraneâ€penetrating peptides. Biotechnology and Bioengineering, 2018, 115, 1437-1449.	1.7	7
620	Self-assembly of rarely polymer-grafted nanoparticles in dilute solutions and on a surface: From non-spherical vesicles to graphene-like sheets. Polymer, 2018, 142, 23-32.	1.8	13
621	Surface Modification of ZrO ₂ Nanoparticles with Biosafe Coupling Agents, Preparation of Poly(vinyl pyrrolidone) Nanocomposites: Optical, Thermal, and Morphological Studies. Advances in Polymer Technology, 2018, 37, 586-595.	0.8	1
622	Synthesis, Thermal and Combustion Properties of New Polyamide/Amidoacid@Fe ₃ O ₄ Nanocomposite. Advances in Polymer Technology, 2018, 37, 559-565.	0.8	7
623	Synthesis of nano CaCO ₃ /acrylic coâ€polymer latex composites for interior decorative paints. Polymer Composites, 2018, 39, 1350-1360.	2.3	8
624	Fabrication of acid-resistant fabrics with fluoropolymer/SiO2 nanocomposites for the application of protective clothing. Journal of Industrial Textiles, 2018, 47, 727-740.	1.1	10
625	High Surface Area Nanoâ€Boehmite as Effective Nanoâ€Filler for Preparation of Boehmiteâ€Polyamideâ€6 Nanocomposites. Advances in Polymer Technology, 2018, 37, 1221-1228.	0.8	14
626	Evaluation of Nanostructure, optical absorption, and thermal behavior of poly(vinyl alcohol)/poly (<i>N</i> â€vinylâ€2â€pyrrolidone) based nanocomposite films containing coated SiO ₂ nanoparticles with citric acid and <scp>l</scp> (+)â€ascorbic acid. Polymer Composites, 2018, 39, 2012-2018.	2.3	5
627	Composition dependent properties of graphene (oxide)â€alginate biopolymer nanocomposites. Polymer Composites, 2018, 39, E236.	2.3	8
628	Surface modification of nanohydroxyapatite and its loading effect on polylactic acid properties for load bearing implants. Polymer Composites, 2018, 39, 2880-2888.	2.3	7
629	Copperâ€doped zinc oxide nanoparticles: Influence on thermal, thermo mechanical, and tribological properties of polycarbonate. Polymer Composites, 2018, 39, E1398.	2.3	28

#	Article	IF	CITATIONS
630	Dispersion stability of nano-Sb ₂ O ₃ particles modified with polyethylene glycol. Particulate Science and Technology, 2018, 36, 844-849.	1.1	6
631	Folate functionalized silicon nanowires with highly enhanced adhesion to cancer cells. Canadian Journal of Chemical Engineering, 2018, 96, 531-536.	0.9	0
632	Highly efficient catalytic systems based on Pd-coated microbeads. Applied Surface Science, 2018, 429, 108-114.	3.1	5
633	Production of bionanocomposites based on poly(vinyl pyrrolidone) using modified TiO2 nanoparticles with citric acid and ascorbic acid and study of their physicochemical properties. Polymer Bulletin, 2018, 75, 1441-1456.	1.7	10
634	Manufacturing Methods and Engineering Properties of Pectin-Based Nanobiocomposite Films. Food Engineering Reviews, 2018, 10, 46-56.	3.1	4
635	Stimuli-responsive polymer nano-science: Shape anisotropy, responsiveness, applications. Progress in Polymer Science, 2018, 78, 24-46.	11.8	107
636	Bio- and Nanosorbents from Natural Resources. Springer Series on Polymer and Composite Materials, 2018, , .	0.5	0
637	Comparison of Dissolved Nickel and Nickel Nanoparticles Toxicity in Larval Zebrafish in Terms of Gene Expression and DNA Damage. Archives of Environmental Contamination and Toxicology, 2018, 74, 193-202.	2.1	31
638	Processing and characterization of UHMWPE composite fibres with alumina particles in poly(ethylene-vinyl acetate) matrix. Journal of Thermoplastic Composite Materials, 2018, 31, 689-708.	2.6	15
639	Progress towards standardized and validated characterizations for measuring physicochemical properties of manufactured nanomaterials relevant to nano health and safety risks. NanoImpact, 2018, 9, 14-30.	2.4	117
640	Functionalized boron carbide for enhancement of anticorrosion performance of epoxy resin. Polymers for Advanced Technologies, 2018, 29, 758-766.	1.6	20
641	The effect of sodium stearateâ€modified hydrocalumite on the thermal stability of poly(vinyl chloride). Journal of Applied Polymer Science, 2018, 135, 45758.	1.3	10
642	A simple method for the sonochemical synthesis of PVA/ZrO2-vitamin B1 nanocomposites: Morphology, mechanical, thermal and wettability investigations. Ultrasonics Sonochemistry, 2018, 40, 881-889.	3.8	16
643	Polypropylene/short glass fiber/nanosilica hybrid composites: evaluation of morphology, mechanical, thermal, and transport properties. Polymer Bulletin, 2018, 75, 2587-2605.	1.7	23
644	Fabrication of practically pure Si2N2O ceramic with high performance from amorphous BN surface modified nano-sized Si3N4 powders. Journal of the European Ceramic Society, 2018, 38, 333-337.	2.8	2
645	Surface organo-functionalization of palygorskite nanorods with γ-mercaptopropyltrimethoxysilane. Applied Clay Science, 2018, 159, 37-41.	2.6	22
646	Advances in organic–inorganic hybrid sorbents for the extraction of organic and inorganic pollutants in different types of food and environmental samples. Journal of Separation Science, 2018, 41, 195-208.	1.3	30
647	Controllable mullite bismuth ferrite micro/nanostructures with multifarious catalytic activities for switchable/hybrid catalytic degradation processes. Journal of Colloid and Interface Science, 2018, 509, 502-514.	5.0	20
#	Article	IF	CITATIONS
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648	Microwave and ultrasound-assisted synthesis of poly(vinyl chloride)/riboflavin modified MWCNTs: Examination of thermal, mechanical and morphology properties. Ultrasonics Sonochemistry, 2018, 41, 27-36.	3.8	26
649	Using Green Process for the Synthesis of Poly(Vinyl Alcohol)/α-Al2O3-Thiamine Nanocomposite: Thermal, Mechanical, Contact Angle, and Morphological Studies. Polymer-Plastics Technology and Engineering, 2018, 57, 1035-1044.	1.9	5
650	Hyperbranched polyether epoxy grafted graphene oxide for benzoxazine composites: Enhancement of mechanical and thermal properties. Composites Science and Technology, 2018, 155, 11-21.	3.8	57
651	Electrochemical Sensing of Hydrogen Peroxide Using Block Copolymer Templated Iron Oxide Nanopatterns. Analytical Chemistry, 2018, 90, 1122-1128.	3.2	41
652	Organoclays with carbosilane dendrimers containing ammonium or phosphonium groups. New Journal of Chemistry, 2018, 42, 1187-1196.	1.4	8
653	Sensors for voltammetric determination of food azo dyes - A critical review. Electrochimica Acta, 2018, 260, 974-985.	2.6	117
654	Optical properties modification of gold doped glass induced by nanosecond laser radiation and annealing. Optical Materials, 2018, 75, 646-653.	1.7	7
655	Fixed-bed column studies of total organic carbon removal from industrial wastewater by use of diatomite decorated with polyethylenimine-functionalized pyroxene nanoparticles. Journal of Colloid and Interface Science, 2018, 513, 28-42.	5.0	40
656	Synthesized amino-functionalized porous clay heterostructure as an effective thickener in waterborne polyurethane hybrid adhesives for lamination processes. International Journal of Adhesion and Adhesives, 2018, 80, 66-75.	1.4	12
657	Surface hydrophobic modification of polyurethanes by diaryl carbene chemistry: Synthesis and characterization. Applied Surface Science, 2018, 435, 346-351.	3.1	16
658	Nanomaterials for removal of toxic elements from water. Coordination Chemistry Reviews, 2018, 356, 147-164.	9.5	362
659	Von der PrĤsionssynthese von Blockcopolymeren zu Eigenschaften und Anwendungen von funktionellen Nanopartikeln. Angewandte Chemie, 2018, 130, 2066-2093.	1.6	14
660	Incorporation of CuO nanoparticles into thin-film composite reverse osmosis membranes (TFC-RO) for antibiofouling properties. Polymer Bulletin, 2018, 75, 2053-2069.	1.7	45
661	A review of ZnO nanoparticles as solar photocatalysts: Synthesis, mechanisms and applications. Renewable and Sustainable Energy Reviews, 2018, 81, 536-551.	8.2	1,713
662	From Precision Synthesis of Block Copolymers to Properties and Applications of Nanoparticles. Angewandte Chemie - International Edition, 2018, 57, 2046-2070.	7.2	138
663	Detection and differentiation of α-Synuclein monomer and fibril by chitosan film coated nanogold array on optical sensor platform. Sensors and Actuators B: Chemical, 2018, 255, 692-700.	4.0	37
664	Halideâ€Modulated Functionality of Wide Band Gap Zinc Oxide Semiconductor Nanoparticle. ChemistrySelect, 2018, 3, 6382-6393.	0.7	4
666	Effect of brominated UHMWPE on the properties and structure of the resulting UHMWPE/boron carbide nanocomposite. AIP Conference Proceedings, 2018, , .	0.3	1

#	Article	IF	CITATIONS
669	Development of steel coatings reinforced with nanoclay particles for corrosion and wear protection. IOP Conference Series: Materials Science and Engineering, 2018, 400, 072006.	0.3	1
670	Stimuli-responsive switchable organic-inorganic nanocomposite materials. Nano Today, 2018, 23, 97-123.	6.2	61
671	Susceptor Assisted Microwave Processing of Polymers for Adhesive Production. , 2018, , .		0
672	Modification and Characterization of Nano-TiO2 for Efficient Fixation on Cotton Fibers. Fibers and Polymers, 2018, 19, 2278-2283.	1.1	4
673	Inorganic Protection of Polymer Nanocapsules: A Strategy to Improve the Efficiency of Encapsulated Optically Active Molecules. Israel Journal of Chemistry, 2018, 58, 1356-1362.	1.0	5
674	Optimization of Poly(glycerol sebacate) Synthesis for Biomedical Purposes with the Design of Experiments. Organic Process Research and Development, 2018, 22, 1793-1800.	1.3	31
675	Functionalization and Grafting of Nanoparticle Surfaces. , 2018, , 711-724.		3
676	Tailoring Nanocellulose–Cellulose Triacetate Interfaces by Varying the Surface Grafting Density of Poly(ethylene glycol). ACS Omega, 2018, 3, 11883-11889.	1.6	12
677	Polypyrrole- and polyaniline-surface modified nanosilica as quasi-solid state electrolyte ingredients for dye-sensitized solar cells. Journal of Materials Science: Materials in Electronics, 2018, 29, 21097-21108.	1.1	7
678	In Situ Synthesis of Hybrid Inorganic–Polymer Nanocomposites. Polymers, 2018, 10, 1129.	2.0	78
679	Multiscale Interface Effect on Homogeneous Dielectric Structure of ZrO2/Teflon Nanocomposite for Electrowetting Application. Polymers, 2018, 10, 1119.	2.0	8
680	Incorporation of Functionalized Silica Nanoparticles into Polymeric Films for Enhancement of Water Absorption and Water Vapor Transition. Fibers and Polymers, 2018, 19, 2066-2079.	1.1	5
681	Elucidating the Crystallite Size Dependence of the Thermochromic Properties of Nanocomposite VO ₂ Thin Films. ACS Omega, 2018, 3, 14280-14293.	1.6	14
682	Quantifying Surface Properties of Silica Particles by Combining Hansen Parameters and Reichardt's Dye Indicator Data. Particle and Particle Systems Characterization, 2018, 35, 1800328.	1.2	6
684	Nanofiber-Based Total Internal Reflection Microscopy for Characterizing Colloidal Systems at the Microscale. Journal of Physical Chemistry C, 2018, 122, 22114-22124.	1.5	3
685	Selective formation of a zwitterion adduct and bicarbonate salt in the efficient CO ₂ fixation by <i>N</i> -benzyl cyclic guanidine under dry and wet conditions. Beilstein Journal of Organic Chemistry, 2018, 14, 2204-2211.	1.3	3
686	Synergetic enhancement of mechanical and electrical strength in epoxy/silica nanocomposites via chemically-bonded interface. Composites Science and Technology, 2018, 167, 539-546.	3.8	70
687	Supersonic cluster beam fabrication of metal–ionogel nanocomposites for soft robotics. Journal of Nanoparticle Research, 2018, 20, 1.	0.8	16

#	Article	IF	CITATIONS
688	Enhancing the Delivery of Chemotherapeutics: Role of Biodegradable Polymeric Nanoparticles. Molecules, 2018, 23, 2157.	1.7	82
689	Avaliação da formação do hÃbrido NiFe2O4@SiO2 e sua performance na imobilização da GOx. Revista Materia, 2018, 23, .	0.1	Ο
690	Mechanical and thermal properties improvement of unsaturated polyester resin by incorporation of TiO ₂ nanoparticle surface modified with titanate. Materials Research Express, 2018, 5, 115008.	0.8	16
691	Applications of Carboxylic Acids in Organic Synthesis, Nanotechnology and Polymers. , 0, , .		8
692	Applications of Nanoparticles in Orthodontics. , 2018, , 81-105.		2
693	Thermal stability of ordered multi-particle layers of long-chain phosphonate-modified nanodiamond with superior heat-resistance. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 556, 227-238.	2.3	11
694	Ionic PMMA/nanosilica interfaces from grafting ionic liquids under supercritical CO2 conditions. European Polymer Journal, 2018, 109, 82-92.	2.6	7
695	Multifunctional and Stimuliâ€Responsive Magnetic Nanoparticleâ€Based Delivery Systems for Biomedical Applications. Advanced Therapeutics, 2018, 1, 1800011.	1.6	71
696	Toxicity of nanostructured biomaterials. , 2018, , 231-256.		9
697	Recent advances and prospects in polymeric nanofluids application for enhanced oil recovery. Journal of Industrial and Engineering Chemistry, 2018, 66, 1-19.	2.9	132
698	Enhanced Photogeneration of Reactive Oxygen Species and Targeted Photothermal Therapy of C6 Glioma Brain Cancer Cells by Folate-Conjugated Gold–Photoactive Polymer Nanoparticles. ACS Applied Materials & Interfaces, 2018, 10, 19483-19493.	4.0	82
699	Custom-made sulfonated poly (ether sulfone) nanocomposite proton exchange membranes using exfoliated molybdenum disulfide nanosheets for DMFC applications. Polymer, 2018, 147, 48-55.	1.8	51
700	Predictable Particle Engineering: Programming the Energy Level, Carrier Generation, and Conductivity of Core–Shell Particles. Journal of the American Chemical Society, 2018, 140, 7629-7636.	6.6	34
701	Supercritical Fluid Assisted Dispersion of Nano-Silica Encapsulated CdS/ZnS Quantum Dots in Poly(ethylene- <i>co</i> -vinyl acetate) for Solar Harvesting Films. ACS Applied Nano Materials, 2018, 1, 3186-3195.	2.4	7
702	Effect of Incorporated Inorganic Nanoparticles on Porous Structure and Functional Properties of Strongly and Weakly Acidic Ion Exchangers. Springer Proceedings in Physics, 2018, , 63-77.	0.1	5
703	Reinforcements in multi-scale polymer composites: Processing, properties, and applications. Composites Part B: Engineering, 2018, 138, 122-139.	5.9	232
704	Study optoelectronic properties for polymer composite thick film. AIP Conference Proceedings, 2018, , .	0.3	2
705	Comparative study of reinforcement of Nano-SiO ₂ modified by poly(propylene glycol) phosphate ester versus oleic acid for waterborne polyurethane. Materials Research Express, 2018, 5, 065316.	0.8	2

#		IE	CITATIONS
π 706	Nanoparticles as Therapeutic Agents for Patients With Brain Tumors. , 2018, , 229-246.	n	2
707	Preparation and characterization of a nanoclay/PVA/PSf nanocomposite membrane for removal of pharmaceuticals from water. Applied Clay Science, 2018, 162, 326-338.	2.6	56
708	Chemical vapor deposition-based grafting of CNTs onto basalt fabric and their reinforcement in epoxy-based composites. Composites Science and Technology, 2018, 165, 84-94.	3.8	60
709	Effect of zirconium oxide nanoparticles addition on the optical and tensile properties of polymethyl methacrylate denture base material. International Journal of Nanomedicine, 2018, Volume 13, 283-292.	3.3	86
710	Polymer-based nanocomposites for significantly enhanced dielectric properties and energy storage capability. , 2018, , 131-183.		4
711	Ceramic-Based Phthalonitrile Micro- and Nanocomposites. , 2018, , 295-375.		0
712	Conducting PEDOT Nanoparticles: Controlling Colloidal Stability and Electrical Properties. Journal of Physical Chemistry C, 2018, 122, 19197-19203.	1.5	17
713	Nanobiocomposites: Synthesis and Environmental Applications. , 2018, , 1-19.		1
714	Responses of Plants to Iron Oxide Nanoparticles. , 2018, , 221-238.		19
715	Silver-embedded epoxy nanocomposites as organic coatings for steel. Progress in Organic Coatings, 2018, 123, 209-222.	1.9	24
716	Optimization of Al2O3 particle modification and UHMWPE fiber oxidation of EVA based hybrid composites: Compatibility, morphological and mechanical properties. Composites Part B: Engineering, 2018, 153, 36-48.	5.9	29
717	Proteolytic Activity of Chymotrypsin Immobilized on Selenium Nanoparticles. Applied Biochemistry and Microbiology, 2018, 54, 375-378.	0.3	2
718	Metallic Engineered Nanomaterial for Industrial Use. , 2018, , 67-73.		4
719	Organic–Inorganic Composites Based on Gel-Type Sulfonic Resin KU-2-8 and Zirconia: Acid and Catalytic Properties in the Etherification Reaction of <i>iso-</i> Butylene with Ethanol. Industrial & Engineering Chemistry Research, 2018, 57, 10859-10865.	1.8	2
720	Nanocomposites comprised of homogeneously dispersed magnetic iron-oxide nanoparticles and poly(methyl methacrylate). Beilstein Journal of Nanotechnology, 2018, 9, 1613-1622.	1.5	11
721	Cantharidin-encapsulated thermal-sensitive liposomes coated with gold nanoparticles for enhanced photothermal therapy on A431 cells. International Journal of Nanomedicine, 2018, Volume 13, 2143-2160.	3.3	27
722	Enabling the synthesis of homogeneous or Janus hairy nanoparticles through surface photoactivation. Nanoscale, 2018, 10, 14492-14498.	2.8	13
723	Improvement of the unconfined compressive strength of 3D-printed model rock via silica sand functionalization using silane coupling agents. International Journal of Adhesion and Adhesives, 2018, 85, 274-280.	1.4	15

	CITATION	Report	
# 724	ARTICLE A highly conductive thin film composite based on silver nanoparticles and malic acid for selective electrochemical sensing of trichloroacetic acid. Analytica Chimica Acta, 2018, 1036, 33-48.	lF 2.6	Citations 20
725	Self-Cleaning Ceramic Tiles Produced via Stable Coating of TiO2 Nanoparticles. Materials, 2018, 11, 1003.	1.3	37
726	UV-Enhanced Ethanol Sensing Properties of RF Magnetron-Sputtered ZnO Film. Sensors, 2018, 18, 50.	2.1	11
727	Antioxidant Polymers for Food Packaging. , 2018, , 213-238.		3
728	A Highlyâ€Efficient Composite Separator with Strong Ligand Interaction for Highâ€Temperature Lithiumâ€Ion Batteries. ChemElectroChem, 2018, 5, 2722-2728.	1.7	37
729	A review on the very high nanofiller-content nanocomposites: Their preparation methods and properties with high aspect ratio fillers. Progress in Polymer Science, 2018, 86, 1-39.	11.8	95
730	Photochromic thermoplastics doped with nanostructured tungsten trioxide. New Journal of Chemistry, 2018, 42, 10885-10890.	1.4	3
731	Chromium (VI) photoâ€reduction under visible and sunlight irradiation over bismuthâ€ferrites Bi ₂ Fe ₄ O ₉ photoâ€catalyst. Canadian Journal of Chemical Engineering, 2018, 96, 2292-2298.	0.9	17
732	Polyurethane/polyphenylsilsequiloxane nanocomposite: From waterborne dispersions to coating films. Progress in Organic Coatings, 2018, 122, 19-29.	1.9	15
734	Effect of inductively coupled plasma surface treatment on silica gel and mesoporous MCM-41 particles. Plasma Science and Technology, 2018, 20, 065506.	0.7	1
735	Improving the anticorrosive performance of epoxy coatings by embedding various percentages of unmodified and imidazole modified CeO2 nanoparticles. Progress in Organic Coatings, 2018, 122, 56-63.	1.9	36
736	Smart polymersomes and hydrogels from polypeptide-based polymer systems through α-amino acid N-carboxyanhydride ring-opening polymerization. From chemistry to biomedical applications. Progress in Polymer Science, 2018, 83, 28-78.	11.8	74
737	Poly(trimesoyl chloride-melamine) grafted on palygorskite for simultaneous ultra-trace removal of methylene blue and toxic metals. Journal of Environmental Management, 2018, 226, 358-364.	3.8	53
738	Enhancement of Thermal Stability and Selectivity by Introducing Aminotriazine Comonomer to Poly(Octadecyl Acrylate)-Grafted Silica as Chromatography Matrix. Separations, 2018, 5, 15.	1.1	3
739	Fabrication and evaluation of silica aerogel-epoxy nanocomposites: Fracture and toughening mechanisms. Theoretical and Applied Fracture Mechanics, 2018, 97, 156-164.	2.1	36
740	Dental Restorative Resin Composites: Modification Technologies for the Matrix/Filler Interface. Macromolecular Materials and Engineering, 2018, 303, 1800264.	1.7	18
741	Evidence of reduced species in molybdenum oxide-phenanthroline layered hybrids from structural, magnetic and X-ray photoelectron spectroscopy studies. Materials Letters, 2018, 231, 187-189.	1.3	1
742	Comparative study of antifungal activity of silver and gold nanoparticles synthesized by facile chemical approach. Journal of Environmental Chemical Engineering, 2018, 6, 5837-5844.	3.3	73

#	Article	IF	CITATIONS
743	Nanoparticle Manufacturing – Heterogeneity through Processes to Products. ACS Applied Nano Materials, 2018, 1, 4358-4385.	2.4	68
744	Topological Design of Inorganic–Organic Thermoelectric Nanocomposites Based on "Electron–Percolation Phonon–Insulator―Concept. ACS Applied Energy Materials, 2018, 1, 2927-2933.	2.5	7
745	Rare-earth-doped Y ₃ Al ₅ O ₁₂ (YAG) nanophosphors: synthesis, surface functionalization, and applications in thermoluminescence dosimetry and nanomedicine. Journal Physics D: Applied Physics, 2018, 51, 303002.	1.3	21
746	Modification of Talc@TiO ₂ toward high-performance nitrile rubber application. RSC Advances, 2018, 8, 17300-17311.	1.7	6
747	Surface Functionalization With Biopolymers via Plasma-Assisted Surface Grafting and Plasma-Induced Graft Polymerization—Materials for Biomedical Applications. , 2018, , 115-151.		16
748	Silane-Capped ZnO Nanoparticles for Use as the Electron Transport Layer in Inverted Organic Solar Cells. ACS Nano, 2018, 12, 5518-5529.	7.3	101
749	High-density polyethylene/graphene oxide nanocomposites prepared via in situ polymerization: Morphology, thermal, and electrical properties. Materials Today Communications, 2018, 16, 232-241.	0.9	27
750	Superior Energy Storage Performances of Polymer Nanocomposites via Modification of Filler/Polymer Interfaces. Advanced Materials Interfaces, 2018, 5, 1800096.	1.9	170
751	Aging Influences on the Biokinetics of Functional TiO ₂ Nanoparticles with Different Surface Chemistries in <i>Daphnia magna</i> . Environmental Science & Technology, 2018, 52, 7901-7909.	4.6	14
752	Electrical, thermal, morphological, and antibacterial studies of synthesized polyaniline/zinc oxide nanocomposites. Polymer Bulletin, 2019, 76, 1-21.	1.7	46
753	Polypropylene/organically modifiedâ€grafted mica/organoclay hybrid nanocomposites: Preparation, characterization, and mechanical properties. Polymer Composites, 2019, 40, 1718-1730.	2.3	5
754	Hydrophobic modification of SiO ₂ surface with disilanobiphenyl and disilanobithiophene and the application to pentacene-based organic transistors. Composite Interfaces, 2019, 26, 221-231.	1.3	0
755	Mussel-inspired preparation of layered double hydroxides based polymer composites for removal of copper ions. Journal of Colloid and Interface Science, 2019, 533, 416-427.	5.0	42
756	Experimental and micromechanical modeling of fracture toughness: MWCNT-reinforced polypropylene/glass fiber hybrid composites. Journal of Thermoplastic Composite Materials, 2019, 32, 1031-1055.	2.6	19
757	Biofunctionalization of Glass―and Paperâ€Based Microfluidic Devices: A Review. Advanced Materials Interfaces, 2019, 6, 1900940.	1.9	33
758	The Application of Polyhedral Oligomeric Silsesquioxanes on Vegetable Insulating Oil Modification. , 2019, , .		1
759	Electric Response of CuS Nanoparticle Lubricant Additives: The Effect of Crystalline and Amorphous Octadecylamine Surfactant Capping Layers. Langmuir, 2019, 35, 15825-15833.	1.6	16
760	Organic nanocomposites for the delivery of bioactive molecules. , 2019, , 471-493.		1

	CITATION R	EPORT	
#	Article	IF	CITATIONS
761	Preparation of synergistically reinforced transparent bio-polycarbonate nanocomposites with highly dispersed cellulose nanocrystals. Green Chemistry, 2019, 21, 5212-5221.	4.6	58
762	Insights into functional polymer-based organic-inorganic nanocomposites as leather finishes. Journal of Leather Science and Engineering, 2019, 1, .	2.7	27
763	Comparison of Species Composition and Floristic Components of Soil Sediment Spore pollen in the Ailaoshan Mountain Forest of China. Scientific Reports, 2019, 9, 12022.	1.6	0
764	Gold nanoparticles in melting gels. Journal of Sol-Gel Science and Technology, 2019, 91, 189-197.	1.1	6
765	Polymer Nanocomposites with Different Types of Nanofiller. , 0, , .		58
766	Ultrasonic dispersion and activation of TiO2 nanoparticles and its effect on bacterial inhibition in EVA films. Materials Chemistry and Physics, 2019, 235, 121760.	2.0	16
767	Enhancement in the performance of BSCCO (Bi-2223) superconductor with functionalized TiO2 nanorod additive. Ceramics International, 2019, 45, 21878-21886.	2.3	18
768	Processing of nanomaterials in Layer-by-Layer films: Potential applications in (bio)sensing and energy storage. Anais Da Academia Brasileira De Ciencias, 2019, 91, e20181343.	0.3	7
769	Characterization and gas sensing properties of PPy–Zn2SnO4 nanocomposite with excellent long-term stability. Journal of Materials Science: Materials in Electronics, 2019, 30, 12364-12374.	1.1	1
771	Development of Structure in Hexadecyltrimethoxysilane Adsorbed on Silica. Journal of Physical Chemistry C, 2019, 123, 19005-19012.	1.5	9
772	Plasma deposition of long-lasting hydrophilic coatings on alumina micro-particles. Thin Solid Films, 2019, 686, 137410.	0.8	5
773	Progress in polymeric nanocomposite membranes for wastewater treatment: Preparation, properties and applications. Journal of Industrial and Engineering Chemistry, 2019, 79, 29-40.	2.9	73
774	Tunable microstructure of polyacrylate/ZnO nanorods composite emulsion and its film-forming properties. Progress in Organic Coatings, 2019, 135, 382-391.	1.9	3
775	Formation of Copper(I) Oxide- and Copper(I) Cyanide–Polyacetonitrile Nanocomposites through Strong-Field Laser Processing of Acetonitrile Solutions of Copper(II) Acetate Dimer. Journal of Physical Chemistry A, 2019, 123, 6430-6438.	1.1	6
776	Preparation and evaluation of oxygen scavenging nanocomposite films incorporating cellulose nanocrystals and Pd nanoparticles in poly(ethylene-co-vinyl alcohol). Cellulose, 2019, 26, 7237-7251.	2.4	13
777	Sample preparation method to improve the efficiency of high-throughput single-molecule force spectroscopy. Biophysics Reports, 2019, 5, 176-183.	0.2	1
778	Melt Spin Coating for Xâ€Rayâ€Sensitive Hybrid Organic–Inorganic Layers of Small Carbazolylâ€Containing Molecules Blended with Tungsten. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900635.	0.8	6
779	An updated review on the influential parameters on thermal conductivity of nano-fluids. Journal of Molecular Liquids, 2019, 296, 111780.	2.3	125

#	Article	IF	CITATIONS
780	Cuprous Oxide Based Chemiresistive Electronic Nose for Discrimination of Volatile Organic Compounds. ACS Sensors, 2019, 4, 3051-3055.	4.0	20
781	Polymerizable ZnO photoinitiators of surface modification with hydroxyl acrylates and photopolymerization with UV-curable waterborne polyurethane acrylates. European Polymer Journal, 2019, 120, 109252.	2.6	15
782	Surface Modification of Fumed Silica by Dry Silanization for PP-based Dielectric Nanocomposites. , 2019, , .		9
783	Removal of the synthetic hormone methyltestosterone from aqueous solution using a β-cyclodextrin/silica composite. Journal of Environmental Chemical Engineering, 2019, 7, 103492.	3.3	16
786	Polymer-based engineering materials for removal of nanowastes from water. , 2019, , 217-243.		1
787	Optical-Based (Bio) Sensing Systems Using Magnetic Nanoparticles. Magnetochemistry, 2019, 5, 59.	1.0	19
788	Synthesis and thermal characterization of luminescent hybrid composites based on bisphenol A diacrylate and NVP. Journal of Thermal Analysis and Calorimetry, 2019, 138, 4463-4473.	2.0	11
789	Dielectric Nanomaterials for Power Energy Storage: Surface Modification and Characterization. ACS Applied Nano Materials, 2019, 2, 627-642.	2.4	52
791	Forming Covalent Crosslinks between Polymerâ€Grafted Nanoparticles as a Route to Highly Filled and Mechanically Robust Nanocomposites. Advanced Functional Materials, 2019, 29, 1905168.	7.8	34
792	Bone Repair and Regenerative Biomaterials: Towards Recapitulating the Microenvironment. Polymers, 2019, 11, 1437.	2.0	46
793	A review on high temperature resistant polyimide films: Heterocyclic structures and nanocomposites. Composites Communications, 2019, 16, 84-93.	3.3	129
794	Organic/inorganic hybrid consisting of supportive poly(arylene ether nitrile) microspheres and photocatalytic titanium dioxide nanoparticles for the adsorption and photocatalysis of methylene blue. Composites Part B: Engineering, 2019, 177, 107414.	5.9	22
795	Enhanced Mechanical and Processing Property of Styrene-butadiene Rubber Composites with Novel Silica-supported Reactive Processing Additive. Fibers and Polymers, 2019, 20, 1696-1704.	1.1	7
796	Nanoparticles at biointerfaces: Antibacterial activity and nanotoxicology. Colloids and Surfaces B: Biointerfaces, 2019, 184, 110550.	2.5	39
797	Hydroxyl terminated mesoporous silica-assisted dispersion of ligand-free CsPbBr ₃ /Cs ₄ PbBr ₆ nanocrystals in polymer for stable white LED. Nanoscale, 2019, 11, 1335-1342.	2.8	27
798	Preparation of UV-opaque, Vis-transparent acrylic–silica nanocomposite coating with promising physico-mechanical properties via miniemulsion polymerization. Journal of Coatings Technology Research, 2019, 16, 781-789.	1.2	10
799	Photocatalytically Stable Superhydrophobic and Translucent Coatings Generated from PDMS-Grafted-SiO ₂ /TiO ₂ @PDMS with Multiple Applications. Langmuir, 2019, 35, 2760-2771.	1.6	65
800	Upconversion Nanocomposite Materials With Designed Thermal Response for Optoelectronic Devices. Frontiers in Chemistry, 2019, 7, 83.	1.8	22

ARTICLE IF CITATIONS # PU nanocomposites from bifunctional nanoparticles: impact of liquid interphase on mechanical 801 2.2 6 properties. Nanoscale Advances, 2019, 1, 973-979. Selective ion removal and antibacterial activity of silver-doped multi-walled carbon nanotube / polyphenylsulfone nanocomposite membranes. Materials Chemistry and Physics, 2019, 233, 102-112. 38 Photoconductivity studies on surface modified TiO2 nanoparticles. Materials Science in 803 1.9 9 Semiconductor Processing, 2019, 99, 175-181. Biofunctional interfaces for cell culture in microfluidic devices. , 2019, , 635-699. 804 Preparation of ATO-incorporated composite latex with tailored structure and controllable size for 805 3.3 9 highly spectrum-selective applications. Materials and Design, 2019, 180, 107919. Controllable synthesis of monodisperse nonspherical colloidal particles with cavity structures. Journal of Polymer Science Part A, 2019, 57, 1645-1652. 806 2.5 Microwave absorption and photocatalytic properties of magnetic nickel nanoparticles/recycled PET 807 1.0 11 nanofibers web. Journal of the Textile Institute, 2019, 110, 1606-1614. Polydimethylsiloxane/Nanodiamond Composite Sponge for Enhanced Mechanical or Wettability 808 2.0 Performance. Polymers, 2019, 11, 948. 809 Starch and its derivatives for paper coatings: A review. Progress in Organic Coatings, 2019, 135, 213-227. 1.9 89 Optically transparent nanocomposite films based on poly(vinylidene fluoride) and single walled carbon nanotube: Role of process parameters on polymorphic changes. Polymer Crystallization, 2019, 2, e10074. Corrosion investigation of new hybrid organic/inorganic coatings for carbon steel substrates: 811 1.9 11 Electrochemical and surface characterizations. Progress in Organic Coatings, 2019, 135, 51-64. Photocatalytic membrane in water purification: is it stepping closer to be driven by visible light?. 4.1 168 Journal of Membrane Science, 2019, 584, 364-392. Improving the Gasâ€Separation Properties of PVAcâ€Zeolite 4A Mixedâ€Matrix Membranes through 813 1.0 15 Nanoâ€Sizing and Silanation of the Zeolite. ChemPhysChem, 2019, 20, 1590-1606. Investigation of the effect of boron carbide nanoparticles on the structural, electrical and mechanical properties of Al-B4C nanocomposites. Journal of Alloys and Compounds, 2019, 797, 814 2.8 1348-1358. Toxicity of engineered micro- and nanomaterials with antifouling properties to the brine shrimp 815 Artemia salina and embryonic stages of the sea urchin Paracentrotus lividus. Environmental 3.7 27 Pollution, 2019, 251, 530-537. Enhanced cytotoxic and genotoxic effects of gadolinium-doped ZnO nanoparticles on irradiated lung 28 cancer cells at megavoltage radiation energies. Materials Science and Engineering C, 2019, 103, 109739. Impact of co-mixing technique and surface modification of ZnO nanoparticles using stearic acid on 817 their dispersion into HDPE to produce HDPE/ZnO nanocomposites. Polymers and Polymer Composites, 1.0 67 2019, 27, 389-399. Accelerated Weathering and UV Protection-Ability of Poly(lactic acid) Nanocomposites Containing 2.4 Zinc Oxide Treated Halloysite Nanotube. Journal of Polymers and the Environment, 2019, 27, 1746-1759.

#	Article	IF	CITATIONS
819	Shear assisted two phase solvent extraction for high dispersion, filler wetting and fracture resistance in quasi-isotropic epoxy nano-composites. Composites Part B: Engineering, 2019, 172, 143-151.	5.9	3
820	Synthesis of colloidal aluminum hydroxide nanoparticles for transparent luminescent polymer nanocomposite films. Materials and Design, 2019, 175, 107800.	3.3	10
821	Preparation and characterization of novel PESâ€(SiO ₂ â€gâ€PMAA) membranes with antifouling and hydrophilic properties for separation of oilâ€inâ€water emulsions. Polymers for Advanced Technologies, 2019, 30, 2221-2232.	1.6	13
822	Fabrication of crystalline silica nanoparticles-embedded nanocomposites and their enhanced mechanical, thermal and insulating properties. Ceramics International, 2019, 45, 16688-16693.	2.3	6
823	Fabrication and excellent electroresponsive properties of ideal PMMA@BaTiO3 composite particles. RSC Advances, 2019, 9, 12404-12414.	1.7	14
824	Effects of nano-voids and nano-cracks on the elastic properties of a host medium: XFEM modeling with the level-set function and free surface energy. Acta Mechanica Sinica/Lixue Xuebao, 2019, 35, 799-811.	1.5	4
825	Controlling dispersion, stability and polymer content on PDEGMA-functionalized core-brush silica colloids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 574, 12-20.	2.3	15
826	Coupling of synthesis and modification to produce hydrophobic or functionalized nano-silica particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 574, 122-130.	2.3	23
827	Effect of Silane Treatment on Mechanical Properties of Polyurethane/Mesoscopic Fly Ash Composites. Polymers, 2019, 11, 741.	2.0	11
828	Photocatalytic oxidation of norfloxacin by Zn0.9Fe0.1S supported on Ni-foam under visible light irradiation. Chemosphere, 2019, 230, 406-415.	4.2	32
829	Synthesis of a Novel Mesoporous Inorganic–Organic Hybrid and Its Application in Epoxy Resins. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 2012-2023.	1.9	6
830	Investigation of covalently grafted polyacrylate chains onto graphene oxide for epoxy composites with reinforced mechanical performance. Journal of Applied Polymer Science, 2019, 136, 47842.	1.3	22
831	Magnetic nanoporous MCMâ€41 supported ionic liquid/palladium complex: An efficient nanocatalyst with high recoverability. Applied Organometallic Chemistry, 2019, 33, e4862.	1.7	32
832	Polyethersulfone fiber. , 2019, , 245-288.		1
833	Surface Modification of Layered Perovskite Nanosheets with a Phosphorus Coupling Reagent in a Biphasic System. Langmuir, 2019, 35, 6594-6601.	1.6	7
834	Optimizing Dispersion, Exfoliation, Synthesis, and Device Fabrication of Inorganic Nanomaterials Using Hansen Solubility Parameters. ChemPhysChem, 2019, 20, 1069-1097.	1.0	29
835	Environmental perspectives of interfacially active and magnetically recoverable composite materials – A review. Science of the Total Environment, 2019, 670, 523-538.	3.9	76
836	Tailored polymer nanocomposite membranes based on carbon, metal oxide and silicon nanomaterials: a review. Journal of Materials Chemistry A, 2019, 7, 8723-8745.	5.2	112

#	Article	IF	CITATIONS
837	Synthesis and Catalytic Properties of Modified Electrodes by Pulsed Electrodeposition of Pt/PANI Nanocomposite. Materials, 2019, 12, 723.	1.3	17
838	Some basic aspects of polymer nanocomposites: A critical review. Nano Materials Science, 2019, 1, 2-30.	3.9	499
839	Effective epoxy composite coating mechanical/fracture toughness properties improvement by incorporation of graphene oxide nano-platforms reduced by a green/biocompataible reductant. Journal of Industrial and Engineering Chemistry, 2019, 75, 271-284.	2.9	26
840	Inherent multifunctional inorganic nanomaterials for imaging-guided cancer therapy. Nano Today, 2019, 26, 108-122.	6.2	67
841	Liquid crystalline polymers XVI*. Thermotropic liquid crystalline copoly(arylidene-ether)/TiO ₂ Nanocomposites: synthesis, characterisation and applications. Liquid Crystals, 2019, 46, 1734-1746.	0.9	6
842	Using sonochemistry for the production of poly(vinyl alcohol)/MWCNT–vitamin B ₁ nanocomposites: exploration of morphology, thermal and mechanical properties. New Journal of Chemistry, 2019, 43, 7502-7510.	1.4	14
843	Moisture-mechanical performance improvement of thermal insulating polyurethane using paper production waste particles grafted with different coupling agents. Construction and Building Materials, 2019, 208, 525-534.	3.2	15
844	Cross-linked poly(vinyl alcohol)/modified α-manganese dioxide composite as an innovative adsorbent for lead(II) ions. Journal of Cleaner Production, 2019, 224, 592-602.	4.6	15
845	Hydroxyapatite-poly(vinyl alcohol) core-shell nanoparticles for dual delivery of methotrexate and gemcitabine for bone cancer treatment. Journal of Drug Delivery Science and Technology, 2019, 51, 629-638.	1.4	34
846	Physicochemical Principles of Synthesis and Modification of Unsaturated Polyester-Polyvinyl Chloride Composites and the Properties of Materials Derived from Them. International Journal of Polymer Science, 2019, 2019, 1-9.	1.2	10
847	Evaluation of the influence of fine particle surface modification with the Hansen solubility parameters. Materials Chemistry and Physics, 2019, 229, 139-148.	2.0	19
848	Polymerâ€Based Nanoâ€Composites for Thermal Insulation. Advanced Engineering Materials, 2019, 21, 1801162.	1.6	45
849	Inverse Nanocomposites Based on Indium Tin Oxide for Display Applications: Improved Electrical Conductivity via Polymer Addition. ACS Applied Nano Materials, 2019, 2, 2273-2282.	2.4	11
850	Novel Therapeutics and Diagnostics Strategies Based on Engineered Nanobiomaterials. , 2019, , 1-27.		0
851	Correlation Analysis of Surface Tilt Effect on Its Mechanical Properties by Nano-indentation. International Journal of Precision Engineering and Manufacturing, 2019, 20, 327-335.	1.1	8
852	Partial Transformation of Imogolite by Decylphosphonic Acid Yields an Interface Active Composite Material. Langmuir, 2019, 35, 4068-4076.	1.6	3
853	From Atoms to Lives: The Evolution of Nanoparticle Assemblies. Advanced Functional Materials, 2019, 29, 1807658.	7.8	44
854	Nanoseparation of Nanoparticle Mixtures with Similar Surface Structures through a Facile Two-Step Approach. Industrial & Engineering Chemistry Research, 2019, 58, 3420-3426.	1.8	3

#	Article	IF	CITATIONS
855	Hybrid suspension of polymer and nanoparticles for enhanced oil recovery. Polymer Bulletin, 2019, 76, 6193-6230.	1.7	49
856	Role of surface charges on interaction of rod-shaped magnetic hydroxyapatite nanoparticles with protein. Colloids and Surfaces B: Biointerfaces, 2019, 177, 362-369.	2.5	16
857	Bushy-surface hybrid nanoparticles for developing epoxy superadhesives. Applied Surface Science, 2019, 479, 1148-1160.	3.1	112
858	Luminescence thermometry for <i>in situ</i> temperature measurements in microfluidic devices. Lab on A Chip, 2019, 19, 1236-1246.	3.1	64
859	Ultrasound-Assisted Melt Extrusion of Polymer Nanocomposites. , 0, , .		7
860	Effect of neodymiumâ€doped titanium dioxide nanoparticles on the structural, mechanical, and electrical properties of poly(butyl methacrylate) nanocomposites. Journal of Vinyl and Additive Technology, 2019, 25, 9-18.	1.8	25
861	3D Printing of Ground Tire Rubber Composites. International Journal of Precision Engineering and Manufacturing - Green Technology, 2019, 6, 211-222.	2.7	26
862	Site-directed chemically-modified magnetic enzymes: fabrication, improvements, biotechnological applications and future prospects. Biotechnology Advances, 2019, 37, 357-381.	6.0	18
863	Effect of Surfactant on Dielectric and Thermal Properties of Silicone Nanocomposites. , 2019, , .		5
864	Polymers-based nanocomposite coatings. , 2019, , 9-39.		3
864 865	Polymers-based nanocomposite coatings. , 2019, , 9-39. Effect of surface modification of colloidal silica nanoparticles on the rigid amorphous fraction and mechanical properties of amorphous polyurethane–urea–silica nanocomposites. Journal of Polymer Science Part A, 2019, 57, 2543-2556.	2.5	3 7
864 865 866	Polymers-based nanocomposite coatings. , 2019, , 9-39. Effect of surface modification of colloidal silica nanoparticles on the rigid amorphous fraction and mechanical properties of amorphous polyurethane–urea–silica nanocomposites. Journal of Polymer Science Part A, 2019, 57, 2543-2556. Synthesis of aminophosphonate-functionalised ZnO/polystyrene-butadiene nanocomposite and its characteristics for uranium adsorption from phosphoric acid. International Journal of Environmental Analytical Chemistry, 2021, 101, 1710-1734.	2.5 1.8	3 7 21
864 865 866 867	Polymers-based nanocomposite coatings., 2019, , 9-39. Effect of surface modification of colloidal silica nanoparticles on the rigid amorphous fraction and mechanical properties of amorphous polyurethane–urea–silica nanocomposites. Journal of Polymer Science Part A, 2019, 57, 2543-2556. Synthesis of aminophosphonate-functionalised ZnO/polystyrene-butadiene nanocomposite and its characteristics for uranium adsorption from phosphoric acid. International Journal of Environmental Analytical Chemistry, 2021, 101, 1710-1734. Highly Fluorinated Barium Titanate Nanoparticle Dispersion for Fabrication of Lithographically Patterned Thin Films. Materials, 2019, 12, 4045.	2.5 1.8 1.3	3 7 21 3
864 865 866 867	Polymers-based nanocomposite coatings., 2019, , 9-39. Effect of surface modification of colloidal silica nanoparticles on the rigid amorphous fraction and mechanical properties of amorphous polyurethane–urea–silica nanocomposites. Journal of Polymer Science Part A, 2019, 57, 2543-2556. Synthesis of aminophosphonate-functionalised ZnO/polystyrene-butadiene nanocomposite and its characteristics for uranium adsorption from phosphoric acid. International Journal of Environmental Analytical Chemistry, 2021, 101, 1710-1734. Highly Fluorinated Barium Titanate Nanoparticle Dispersion for Fabrication of Lithographically Patterned Thin Films. Materials, 2019, 12, 4045. Nanoparticles for antiparasitic drug delivery. Drug Delivery, 2019, 26, 1206-1221.	2.5 1.8 1.3 2.5	3 7 21 3 57
864 865 866 867 868 869	Polymers-based nanocomposite coatings. , 2019, , 9-39. Effect of surface modification of colloidal silica nanoparticles on the rigid amorphous fraction and mechanical properties of amorphous polyurethane–urea–silica nanocomposites. Journal of Polymer Science Part A, 2019, 57, 2543-2556. Synthesis of aminophosphonate-functionalised ZnO/polystyrene-butadiene nanocomposite and its characteristics for uranium adsorption from phosphoric acid. International Journal of Environmental Analytical Chemistry, 2021, 101, 1710-1734. Highly Fluorinated Barium Titanate Nanoparticle Dispersion for Fabrication of Lithographically Patterned Thin Films. Materials, 2019, 12, 4045. Nanoparticles for antiparasitic drug delivery. Drug Delivery, 2019, 26, 1206-1221. Nanostructured Materials for Treating Aquatic Pollution. Engineering Materials, 2019,	2.5 1.8 1.3 2.5 0.3	3 7 21 3 57 4
 864 865 866 867 868 869 870 	 Polymers-based nanocomposite coatings., 2019, , 9-39. Effect of surface modification of colloidal silica nanoparticles on the rigid amorphous fraction and mechanical properties of amorphous polyurethane–urea–silica nanocomposites. Journal of Polymer Science Part A, 2019, 57, 2543-2556. Synthesis of aminophosphonate-functionalised ZnO/polystyrene-butadiene nanocomposite and its characteristics for uranium adsorption from phosphoric acid. International Journal of Environmental Analytical Chemistry, 2021, 101, 1710-1734. Highly Fluorinated Barium Titanate Nanoparticle Dispersion for Fabrication of Lithographically Patterned Thin Films. Materials, 2019, 12, 4045. Nanoparticles for antiparasitic drug delivery. Drug Delivery, 2019, 26, 1206-1221. Nanostructured Materials for Treating Aquatic Pollution. Engineering Materials, 2019, . Nanostructured Polymer Composites for Water Remediation. Engineering Materials, 2019, ., 275-306. 	2.5 1.8 1.3 2.5 0.3	3 7 21 3 57 4
 864 865 866 867 868 869 870 871 	Polymers-based nanocomposite coatings., 2019, , 9-39. Effect of surface modification of colloidal silica nanoparticles on the rigid amorphous fraction and mechanical properties of amorphous polyurethaneà€"urea〓silica nanocomposites. Journal of Polymer Science Part A, 2019, 57, 2543-2556. Synthesis of aminophosphonate-functionalised ZnO/polystyrene-butadiene nanocomposite and its characteristics for uranium adsorption from phosphoric acid. International Journal of Environmental Analytical Chemistry, 2021, 101, 1710-1734. Highly Fluorinated Barium Titanate Nanoparticle Dispersion for Fabrication of Lithographically Patterned Thin Films. Materials, 2019, 12, 4045. Nanoparticles for antiparasitic drug delivery. Drug Delivery, 2019, 26, 1206-1221. Nanostructured Materials for Treating Aquatic Pollution. Engineering Materials, 2019, . Preparation and Characterization of Hybrid Nanocomposites for Dental Applications. Applied Sciences (Switzerland), 2019, 9, 1381.	2.5 1.8 1.3 2.5 0.3 0.3 1.3	 3 7 21 3 57 4 5 10

#	Article	IF	CITATIONS
873	Entropic Effects in Solvent-Free Bidisperse Polymer Brushes Investigated Using Density Functional Theories. Langmuir, 2019, 35, 16835-16849.	1.6	7
874	Functional composite material design using Hansen solubility parameters. Results in Materials, 2019, 4, 100046.	0.9	12
875	Synthesis of Gradient Copolymer Grafted Particle Brushes by ATRP. Macromolecules, 2019, 52, 9466-9475.	2.2	20
876	Advanced Ga2O3/Lignin and ZrO2/Lignin Hybrid Microplatforms for Glucose Oxidase Immobilization: Evaluation of Biosensing Properties by Catalytic Glucose Oxidation. Catalysts, 2019, 9, 1044.	1.6	18
877	Highly dispersible laser activate particles via surface modification for laser direct structuring and electroless plating application. Journal of Composite Materials, 2019, 53, 1377-1386.	1.2	1
878	Surface modification of carbon black by thiol-ene click reaction for improving dispersibility in aqueous phase. Journal of Dispersion Science and Technology, 2019, 40, 152-160.	1.3	10
879	Collapsibility of metastable sand by non-conventional oedometer tests. Granular Matter, 2019, 21, 1.	1.1	11
880	Localized surface plasmon resonance induced excellent solar-shielding ability for TiN nanoparticles-based hybrid polymerÂoptical foils with high transparency. Journal of Alloys and Compounds, 2019, 782, 1087-1093.	2.8	9
881	Transition metal nanoparticles in ionic liquids: Synthesis and stabilization. Journal of Molecular Liquids, 2019, 276, 826-849.	2.3	83
882	Polyethylene Nanocomposites for Power Cable Insulations. Polymers, 2019, 11, 24.	2.0	78
883	Arylation Chemistry for Bioconjugation. Angewandte Chemie - International Edition, 2019, 58, 4810-4839.	7.2	169
884	Development of Mixed Matrix Membranes: Incorporation of Metal Nanoparticles in Polymeric Membranes. , 2019, , 153-178.		16
885	Modeling of the Mechanical Properties of Blend Based Polymer Nanocomposites Considering the Effects of Janus Nanoparticles on Polymer/Polymer Interface. Chinese Journal of Polymer Science (English Edition), 2019, 37, 164-177.	2.0	19
886	Nanoâ€dispersion of fluorinated phosphonateâ€modified nanodiamond in crystalline fluoropolymer matrix to achieve a transparent polymer/nanofiller hybrid. Polymer Composites, 2019, 40, E842.	2.3	14
887	Arylierungschemie für die Biokonjugation. Angewandte Chemie, 2019, 131, 4860-4892.	1.6	39
888	Epoxyâ€Based Nanocomposites for Highâ€Voltage Insulation: A Review. Advanced Electronic Materials, 2019, 5, 1800505.	2.6	66
889	Excellent energy storage performance and thermal property of polymer-based composite induced by multifunctional one-dimensional nanofibers oriented in-plane direction. Nano Energy, 2019, 56, 138-150.	8.2	289
890	Nanoparticles as a Powerful Tool for Membrane Pore Size Determination and Mercury Removal. , 2019, , 63-86.		0

#	Article	IF	CITATIONS
891	Nanoengineered Materials for Water and Wastewater Treatments. , 2019, , 303-335.		3
892	Intercalation of Nanopolyaniline with Nanobentonite and Manganese Oxide Nanoparticles as a Novel Nanocomposite to Remediate Cobalt/Zinc and Their Radioactive Nuclides 60Co/65Zn. Journal of Polymers and the Environment, 2019, 27, 421-433.	2.4	9
893	Improved Corrosion Resistance of Steel in Ethanol Fuel Blend by Titania Nanoparticles and <i>Aganonerion polymorphum</i> Leaf Extract. ACS Omega, 2019, 4, 146-158.	1.6	42
894	Nanomaterials as versatile adsorbents for heavy metal ions in water: a review. Environmental Science and Pollution Research, 2019, 26, 6245-6278.	2.7	200
895	On fabrication and characteristics of injection molded ABS/Al2O3 nanocomposites. International Journal of Advanced Manufacturing Technology, 2019, 102, 1747-1758.	1.5	21
896	Structure-property relationships between microscopic filler surface chemistry and macroscopic rheological, thermo-mechanical, and adhesive performance of SiO2 filled nanocomposite underfills. Composites Part A: Applied Science and Manufacturing, 2019, 118, 223-234.	3.8	32
897	Surface modification of nano-silica by diisocyanates and their application in polyimide matrix for enhanced mechanical, thermal and water proof properties. Materials Chemistry and Physics, 2019, 225, 358-364.	2.0	17
898	Class-II-type nanosilica-epoxy hybrid coating with high moisture barrier performance and mechanical robustness. Progress in Organic Coatings, 2019, 126, 136-141.	1.9	10
899	Continuous Flow Fabrication of Block Copolymer–Grafted Silica Microâ€Particles in Environmentally Friendly Water/Ethanol Media. Macromolecular Materials and Engineering, 2019, 304, 1800451.	1.7	5
900	In situ-generated yttrium-based nanoparticle/polyethersulfone composite adsorptive membranes: Development, characterization, and membrane formation mechanism. Journal of Colloid and Interface Science, 2019, 536, 710-721.	5.0	15
901	Rheological and thermal studies of polystyrene calcium phosphate nanocomposites. Polymers for Advanced Technologies, 2019, 30, 381-389.	1.6	3
902	Hybrid polymer biomaterials for bone tissue regeneration. Frontiers of Medicine, 2019, 13, 189-201.	1.5	69
903	Transparent polymer nanocomposites: An overview on their synthesis and advanced properties. Progress in Polymer Science, 2019, 89, 133-158.	11.8	207
904	Effect of synthetic colloidal nanoparticles in acrylic resin of dental use. European Polymer Journal, 2019, 112, 531-538.	2.6	20
905	Grafted ZnO nanoparticles used for development in photocatalytic degradation performance of polyethylene. Polymer Bulletin, 2019, 76, 3593-3606.	1.7	10
906	pH-triggered intracellular release of doxorubicin from polyaspartamide-encapsulated mesoporous silica nanoparticles. Korean Journal of Chemical Engineering, 2019, 36, 166-172.	1.2	9
907	Regiochemistry of Thiolate for Selenolate Ligand Exchange on Gold Clusters. Journal of the American Chemical Society, 2019, 141, 309-314.	6.6	57
908	Controllable synthesis of transparent dispersions of monodisperse anatase-TiO2 nanoparticles and nanorods. Materials Chemistry and Physics, 2019, 224, 100-106.	2.0	16

	CIAN		
#	Article	IF	Citations
909	Microwave Intensified Synthesis: Batch and Flow Chemistry. Chemical Record, 2019, 19, 172-187.	2.9	23
910	Zinc oxide array/polyurethane nanocomposite coating: Fabrication, characterization and corrosion resistance. Surface and Coatings Technology, 2019, 358, 497-504.	2.2	37
911	Switchable Plasmonic Nanocomposites. Advanced Optical Materials, 2019, 7, 1801101.	3.6	30
912	Preparation and characterization of nanoâ€Sb ₂ O ₃ /poly(butylene terephthalate composite powders based on highâ€energy ball milling. Journal of Vinyl and Additive Technology, 2019, 25, 91-97.) 1.8	7
913	Application of polymer coatings and nanoparticles in consolidation and hydrophobic treatment of stone monuments. Iranian Polymer Journal (English Edition), 2019, 28, 1-19.	1.3	24
914	Synthesis Routes of Functionalized Nanoparticles. , 2019, , 1-46.		3
915	Specific Interactions and Self-Organization in Polymer/Functionalized Nanoparticle Systems. , 2019, , 85-117.		2
916	Spectroscopic and Antimicrobial Activity of Hybrid Chitosan/Silica Membranes doped with Al2O3 Nanoparticles. Silicon, 2019, 11, 1677-1685.	1.8	16
917	Methoxy poly (ethylene glycol) methacrylate-TiO ₂ /poly (methyl methacrylate) nanocomposite: an efficient membrane for gas separation. Polymer-Plastics Technology and Materials, 2019, 58, 789-802.	0.6	5
918	PMMA/double-modified organoclay nanocomposites as fillers for denture base materials with improved mechanical properties. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 90, 11-19.	1.5	31
919	The surface modification of diatomite, thermal, and mechanical properties of poly(vinyl) Tj ETQq0 0 0 rgB ⁻	T /Overlock 10 Tf	50,342 Td (d
920	Polyacrylate/silica hybrid materials: A step towards multifunctional properties. Journal of Dispersion Science and Technology, 2019, 40, 925-957.	1.3	14
921	ZnO nanocrystals with narrow-band blue emission. Journal of Luminescence, 2019, 205, 508-518.	1.5	47
922	Zirconia nano-colloids transfer from continuous hydrothermal synthesis to inkjet printing. Journal of the European Ceramic Society, 2019, 39, 2-8.	2.8	17
923	Nanocomposites based on cationic polyelectrolytes and silver nanoparticles: Synthesis, characterization, molybdate retention and antimicrobial activity. Arabian Journal of Chemistry, 2019, 12, 825-834.	2.3	13
924	Nanocomposite of cellulose acetate reinforced with nanocrystals modified chemically: Modification with bifunctional reagent. Polymer Composites, 2019, 40, E321.	2.3	4
925	Hydrophobic modification of SiO ₂ surface by aminosilane derivatives. Composite Interfaces, 2019, 26, 15-25.	1.3	6
926	Effect of nanofiller content and confined crystallization on the microphase separation kinetics of polyurethane nanocomposites. Polymer Composites, 2019, 40, E422.	2.3	29

ARTICLE IF CITATIONS # Investigation of the effect of titanium dioxide and clay grafted with glycidyl methacrylate by gamma 927 1.4 7 radiation on the properties of EVA flexible films. Radiation Physics and Chemistry, 2020, 169, 107973. Microparticleâ€Based Soft Electronic Devices: Toward Oneâ€Particle/Oneâ€Pixel. Advanced Functional Materials, 2020, 30, 1901810. Insight on the structural aspect of ENR-50/TiO2 hybrid in KOH/C3H8O medium revealed by NMR 929 2.3 36 spectroscopy. Arabian Journal of Chemistry, 2020, 13, 2400-2413. Magnetic, fluorescent and hybrid nanoparticles: From synthesis to application in biosystems. Materials Science and Engineering C, 2020, 106, 110104. Influence of Filler-Polymer Interface on Performance of Silicone Nanocomposites. IEEE Transactions 931 3.3 21 on Industry Applications, 2020, 56, 686-692. Evaluation of biological and cytocompatible properties in nano silver-clay based polyethylene nanocomposites. Journal of Hazardous Materials, 2020, 384, 121309. 6.5 Oral and Intra-nasal Administration of Nanoparticles in the Cerebral Ischemia Treatment in Animal 933 Experiments: Considering its Advantages and Disadvantages. Current Clinical Pharmacology, 2020, 15, 0.2 17 20-29. Effect of nanosilica with different interfacial structures on mechanical properties of polyimide/SiO 2 934 1.3 composites. Journal of Applied Polymer Science, 2020, 137, 48595. Design of Nanoparticle Systems by Controllable Assembly and Temporal/Spatial Regulation. Advanced 935 7.8 11 Functional Materials, 2020, 30, 1903351. Performance of corrosion protective epoxy blend-based nanocomposite coatings: a review. 14 Polymer-Plastics Technology and Materials, 2020, 59, 658-673. A thermo-kinetic study on acrylic copolymer nanocomposite particles containing GMA-modified 937 nanosilica prepared via miniemulsion polymerization. Materials Chemistry and Physics, 2020, 240, 10 2.0 122126. Influence of modified carbonate calcium nanoparticles on the mechanical properties of carbon 1.0 fiber/epoxy composites. Journal of the Textile Institute, 2020, 111, 550-554. Hydrophilic Polysiloxane Microspheres and Ceramic SiOC Microspheres Derived from Them. Journal of 939 1.9 16 Inorganic and Órganometallic Polymers and Materials, 2020, 30, 56-68. Inorganic nanoparticles with enzyme-mimetic activities for biomedical applications. Coordination 940 Chemistry Reviews, 2020, 403, 213092. A review of fundamental principles and applications of polymer nanocomposites filled with both nanoclay and nano-sized carbon allotropes – Graphene and carbon nanotubes. Journal of Plastic Film 941 1.3 24 and Sheeting, 2020, 36, 209-228. Synthesis, Characterization and Biological Activity of Iron (III) Oxide and Titanium (IV) Oxide Nanoparticle Dispersed Polyester Resin Nanocomposites. Arabian Journal for Science and Engineering, 942 2020, 45, 197-203. Preparation and characterization of foamed wheat straw fiber/polypropylene composites based on 943 3.8 42 modified nano-TiO2 particles. Composites Part A: Applied Science and Manufacturing, 2020, 128, 105674. Multifunctions of Polymer Nanocomposites: Environmental Remediation, Electromagnetic 944 1.5 Interference Shielding, And Sensing Applications. ChemNanoMat, 2020, 6, 174-184.

# 945	ARTICLE Multicompartmental Mesoporous Silica/Polymer Nanostructured Hybrids: Design Capabilities by Integrating Linear and Star-Shaped Block Copolymers. Polymers, 2020, 12, 51.	IF 2.0	CITATIONS
946	All-Waste Hybrid Composites with Waste Silicon Photovoltaic Module. Polymers, 2020, 12, 53.	2.0	0
948	Development of an adjustable-focus ferrogel mirror. Optics and Laser Technology, 2020, 125, 106021.	2.2	5
949	MOF-Polymer Hybrid Materials: From Simple Composites to Tailored Architectures. Chemical Reviews, 2020, 120, 8267-8302.	23.0	512
950	Lipid-based nanodelivery approaches for dopamine-replacement therapies in Parkinson's disease: From preclinical to translational studies. Biomaterials, 2020, 232, 119704.	5.7	24
951	Synthesis of Ag nanoparticles by a chitosan-poly(3-hydroxybutyrate) polymer conjugate and their superb catalytic activity. Carbohydrate Polymers, 2020, 232, 115806.	5.1	27
952	Enhanced thermal stability, toughness, and electrical conductivity of carbon nanotube-reinforced biodegradable poly(lactic acid)/poly(ethylene oxide) blend-based nanocomposites. Polymer, 2020, 186, 122002.	1.8	33
953	Preparation and characterization of a new high-performance polymer composite and its application as a lead-free polymer-based projectile. High Performance Polymers, 2020, 32, 550-558.	0.8	4
954	Investigation on particle properties and extent of functionalization of silica nanoparticles. Applied Surface Science, 2020, 506, 144978.	3.1	14
955	Surface-initiated PET-ATRP and mussel-inspired chemistry for surface engineering of MWCNTs and application in self-healing nanocomposite hydrogels. Materials Science and Engineering C, 2020, 109, 110553.	3.8	16
956	Studies on electroâ€optical properties of polymer matrix/LC/ITO nanoparticles composites. Polymers for Advanced Technologies, 2020, 31, 544-552.	1.6	14
957	Multifunctional temperatureâ€responsive polymers as advanced biomaterials and beyond. Journal of Applied Polymer Science, 2020, 137, 48770.	1.3	47
958	Effect of surface modification of ferroelectric ceramic component on the properties of PZT-type/epoxy piezoelectric composite with spiral structure. Journal of Alloys and Compounds, 2020, 820, 153362.	2.8	9
959	In Situ Seed-Mediated Growth of Polymer-Grafted Gold Nanoparticles. Langmuir, 2020, 36, 789-795.	1.6	9
960	Technological challenges and progress in nanomaterials plasma surface modification – A review. Materials Science and Engineering Reports, 2020, 139, 100521.	14.8	60
961	Multicomponent Reactions-Based Modified/Functionalized Materials in the Biomedical Platforms. ACS Applied Bio Materials, 2020, 3, 156-174.	2.3	49
962	Influence of silica materials on synthesis of elastomer nanocomposites: A review. Journal of Elastomers and Plastics, 2020, 52, 747-771.	0.7	15
963	Gas-Wetting Alteration by Fluorochemicals and Its Application for Enhancing Gas Recovery in Gas-Condensate Reservoirs: A Review. Energies, 2020, 13, 4591.	1.6	17

#	Article	IF	CITATIONS
964	Polymer Nanocompositeâ€based Coatings for Corrosion Protection. Chemistry - an Asian Journal, 2020, 15, 3915-3941.	1.7	58
965	Some investigations on 3D homogenization of nano-composite/nano-porous materials with surface effect by FEM/XFEM methods combined with Level-Set technique. Computer Methods in Applied Mechanics and Engineering, 2020, 371, 113319.	3.4	6
966	Controlling Miscibility of the Interphase in Polymer-Grafted Nanocellulose/Cellulose Triacetate Nanocomposites. ACS Omega, 2020, 5, 23755-23761.	1.6	10
967	Chitosan nanocomposite coatings with enhanced corrosion inhibition effects for copper. International Journal of Biological Macromolecules, 2020, 162, 1566-1577.	3.6	28
968	Development of a new magnetic nanogel based on a copolymer of polyacrylic acid-co-acrylamide-co-β-cyclodextrin for extraction/pre-concentration of doxorubicin from biological samples. Journal of the Iranian Chemical Society, 2020, 17, 3205-3216.	1.2	3
969	Reactive and Functional Polymers Volume Two. , 2020, , .		4
970	Small interfering RNA for cancer treatment: overcoming hurdles in delivery. Acta Pharmaceutica Sinica B, 2020, 10, 2075-2109.	5.7	116
971	Reversible-deactivation radical polymerization (Controlled/living radical polymerization): From discovery to materials design and applications. Progress in Polymer Science, 2020, 111, 101311.	11.8	555
972	Tailoring nanocomposite interfaces with graphene to achieve high strength and toughness. Science Advances, 2020, 6, .	4.7	40
973	The influence of titanate coupling agent on the performance of barium titanate/PMMA denture base nanocomposites after SBF storage. Journal of Thermoplastic Composite Materials, 2020, , 089270572096216.	2.6	3
974	CNTs/TiO2 composite membrane with adaptable wettability for on-demand oil/water separation. Journal of Cleaner Production, 2020, 275, 124011.	4.6	40
975	Magnetic polyester bis-MPA dendron nanohybrid demulsifier can effectively break water-in-crude oil emulsions. Journal of Materials Research and Technology, 2020, 9, 13411-13424.	2.6	23
976	Synthesis of carbon nanotubes grafted with PEG and its efficiency for the removal of phenol from industrial wastewater. Environmental Nanotechnology, Monitoring and Management, 2020, 13, 100286.	1.7	29
977	The Synergistic Effect of Ionic Liquid-Modified Expandable Graphite and Intumescent Flame-Retardant on Flame-Retardant Rigid Polyurethane Foams. Materials, 2020, 13, 3095.	1.3	22
978	Great Enhancement of Selfâ€Powered Photoresponse Performance of C ₃ H ₈ NSiâ€TiO ₂ NRAs/nâ€Si Heterojunction by Buildâ€In and Buildâ€Out Electric Field Jointly Promoting Carrier Separation. Advanced Electronic Materials, 2020, 6, 2000501.	2.6	10
979	Preparation and Characterization of Furan–Matrix Composites Blended with Modified Hollow Glass Microsphere. Polymers, 2020, 12, 1480.	2.0	9
980	3D Printing for Hip Implant Applications: A Review. Polymers, 2020, 12, 2682.	2.0	45
981	Role of the Morphology of Sulfonic Resin Catalysts in the Etherification of Ethanol with iso-Butylene: A Review. Theoretical and Experimental Chemistry, 2020, 56, 309-328.	0.2	1

#	Article	IF	CITATIONS
982	Surface Amination of Silica Nanoparticles Using Tris(hydroxymethyl)aminomethane. Industrial & Engineering Chemistry Research, 2020, 59, 21383-21392.	1.8	10
983	Compatibilizing Immiscible Polymer Blends with Sparsely Grafted Nanoparticles. Macromolecules, 2020, 53, 10330-10338.	2.2	32
984	Microfluidic Isolation and Enrichment of Nanoparticles. ACS Nano, 2020, 14, 16220-16240.	7.3	59
985	Contribution of Ex-Situ and In-Situ X-ray Grazing Incidence Scattering Techniques to the Understanding of Quantum Dot Self-Assembly: A Review. Nanomaterials, 2020, 10, 2240.	1.9	8
986	SnO2 and Ni doped SnO2 /polythiophene nanocomposites for gas sensing applications. Solid State Electronics Letters, 2020, 2, 85-91.	1.0	13
987	Functional Polymer Hybrid Nanocomposites Based on Polyolefins: A Review. Processes, 2020, 8, 1475.	1.3	21
988	Construction of Double-Shell Hollow TiO ₂ toward Solvent-Free Polyurethane Films. Industrial & Engineering Chemistry Research, 2020, 59, 15271-15282.	1.8	2
989	Synthesis of BaTiO ₃ nanoparticles as shape modified filler for high dielectric constant ceramic–polymer composite. RSC Advances, 2020, 10, 29278-29286.	1.7	11
990	Flexible Vibrotactile Actuator Based on Soft PVC Gel Embedded Polyaniline/Silicon Dioxide Nanoparticles. IEEE Access, 2020, 8, 122057-122064.	2.6	4
991	Stealth Polymer-Coated Graphene Oxide Decorated Mesoporous Titania Nanoplatforms for In Vivo Chemo-Photodynamic Cancer Therapy. Pharmaceutical Research, 2020, 37, 162.	1.7	6
992	Precipitated droplets in-situ cross-linking polymerization and its applications. Polymer Testing, 2020, 91, 106756.	2.3	6
993	Stimuli-responsive polymer/nanomaterial hybrids for sensing applications. Analyst, The, 2020, 145, 5713-5724.	1.7	28
994	Stability appraisement of the alumina-brine nanofluid in the presence of ionic and non-ionic disparents on the alumina nanoparticles surface as heat transfer fluids: Quantum mechanical study and Taguchi-optimized experimental analysis. Journal of Molecular Liquids, 2020, 319, 113898.	2.3	8
995	Nanomaterials: Classification, properties, and environmental toxicities. Environmental Technology and Innovation, 2020, 20, 101067.	3.0	586
996	Flake-like glass nanoparticles reinforced natural polymeric scaffold as a promising substrate for bone regeneration. Journal of Polymer Research, 2020, 27, 1.	1.2	6
997	Rationally designed in-situ fabrication of thin film nanocomposite membranes with enhanced desalination and anti-biofouling performance. Journal of Membrane Science, 2020, 615, 118542.	4.1	40
998	Hydroxyapatite-dextran methacrylate core/shell hybrid nanocarriers for combinatorial drug therapy. Journal of Materials Research, 2020, 35, 2451-2465.	1.2	10
999	Waterborne modified-silica/acrylates hybrid nanocomposites as surface protective coatings for stone monuments. Progress in Organic Coatings, 2020, 149, 105897.	1.9	18

#	Article	IF	CITATIONS
1000	Study of thermomechanical properties of glycidoxypropyl trimethoxy silane functionalized nanosilica/amine terminated poly (butadiene-co-acrylonitrile) rubber modified novolac epoxy composites for high performance applications. Journal of Polymer Research, 2020, 27, 1.	1.2	4
1001	Preparation of terpyridine-functionalized paramagnetic nickel–zinc ferrite microspheres for adsorbing Pb(<scp>ii</scp>), Hg(<scp>ii</scp>), and Cd(<scp>ii</scp>) from water. RSC Advances, 2020, 10, 39468-39477.	1.7	5
1002	Electron Beam Induced Tailoring of Electrical Characteristics of Organic Semiconductor Films. Chemistry Africa, 2020, 3, 571-592.	1.2	3
1003	Quantum Dots: A Review from Concept to Clinic. Biotechnology Journal, 2020, 15, e2000117.	1.8	103
1004	Adsorption of U(VI) from sulfate solution using montmorillonite/polyamide and nano-titanium oxide/polyamide nanocomposites. Journal of Environmental Chemical Engineering, 2020, 8, 104427.	3.3	55
1005	Chirality enhancement in macro-chiral liquid crystal nanoparticles. Materials Horizons, 2020, 7, 3021-3027.	6.4	18
1006	Reprogramming of macrophages with macrophage cell membrane-derived nanoghosts. Nanoscale Advances, 2020, 2, 5254-5262.	2.2	17
1007	Functionalization of Silica Nanoparticles to Improve Crosslinking Degree, Insulation Performance and Space Charge Characteristics of UV-initiated XLPE. Molecules, 2020, 25, 3794.	1.7	7
1008	Interfacial Structure Control and Three-Dimensional X-ray Imaging of an Epoxy Monolith Bonding System with Surface Modification. Langmuir, 2020, 36, 10923-10932.	1.6	10
1009	Facile Route to Synthesize Pore Expanded Platelet SBA-15 for Enhanced Amidoxime-Functionalization and Efficient Extraction of U(VI) from Aqueous Solution. Journal of Ocean University of China, 2020, 19, 1103-1115.	0.6	0
1010	Amyloidâ€Mediated Fabrication of Organic–Inorganic Hybrid Materials and Their Biomedical Applications. Advanced Materials Interfaces, 2020, 7, 2001060.	1.9	26
1011	Surface Curvature and Aminated Side-Chain Partitioning Affect Structure of Poly(oxonorbornenes) Attached to Planar Surfaces and Nanoparticles of Gold. Langmuir, 2020, 36, 10412-10420.	1.6	0
1012	Bulk-Surface Modification of Nanoparticles for Developing Highly-Crosslinked Polymer Nanocomposites. Polymers, 2020, 12, 1820.	2.0	9
1013	Poly(acrylic acid) nanocomposites: Design of advanced materials. Journal of Plastic Film and Sheeting, 2021, 37, 409-428.	1.3	20
1014	Release mechanisms for PA6 nanocomposites under weathering conditions simulating their outdoor uses. NanoImpact, 2020, 20, 100260.	2.4	2
1015	Electroactive Manganese Oxide–Reduced Graphene Oxide Interfaced Electrochemical Detection of Urea. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	6
1016	Phase state and rheology of polyisobutylene blends with silicone resin. Rheologica Acta, 2020, 59, 375-386.	1.1	29
1017	Mesoporous Silica Nanoparticles with Dispersibility in Organic Solvents and Their Versatile Surface Modification. Langmuir, 2020, 36, 5571-5578.	1.6	14

#	Article	IF	CITATIONS
1018	Modification of nanosilica particles with hydrophobic modifier bis[3-(triethoxysilyl)propyl]tetrasulfide by using micro-injection in aqueous solutions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 599, 124852.	2.3	9
1019	Recent Advances in Metal Decorated Nanomaterials and Their Various Biological Applications: A Review. Frontiers in Chemistry, 2020, 8, 341.	1.8	391
1020	The search for enhanced dielectric strength of polymerâ€based dielectrics: A focused review on polymer nanocomposites. Journal of Applied Polymer Science, 2020, 137, 49379.	1.3	130
1021	Ferroelectric polymer/ceramic nanocomposites with low energy losses. Polymer Composites, 2020, 41, 3271-3281.	2.3	17
1022	Modification of carbon black pigment: Cotton fabric colouring and antiâ€bacterial finishing. Coloration Technology, 2020, 136, 370-380.	0.7	1
1023	Recent Advances of pHâ€Induced Chargeâ€Convertible Polymerâ€Mediated Inorganic Nanoparticles for Biomedical Applications. Macromolecular Rapid Communications, 2020, 41, e2000106.	2.0	25
1024	Electrochemical Evaluation of Folic Acid by Low Concentration of Methylene Blue Coated on a Greenâ \in Synthesized ZnO Nanoparticles Suspension Solution. ChemistrySelect, 2020, 5, 5146-5155.	0.7	0
1025	Effect of surface modification on Tb doped bismuth ferrite nanofiller in polyvinyl alcohol based composite films. Journal of Applied Physics, 2020, 127, .	1.1	4
1026	Environmentally benign production of cupric oxide nanoparticles and various utilizations of their polymeric hybrids in different technologies. Coordination Chemistry Reviews, 2020, 419, 213378.	9.5	60
1027	Efficient catalytic degradation of single and binary azo dyes by a novel triple nanocomposite of Mn ₃ O ₄ /Ag/SiO ₂ . Applied Organometallic Chemistry, 2020, 34, e5688.	1.7	10
1028	Process parameter effects on particle size reduction of sol-gel synthesized silica nanoparticles. Materials Today: Proceedings, 2020, 22, 1669-1675.	0.9	4
1029	Polymer/Inorganic nanocomposite coatings with superior corrosion protection performance: A review. Journal of Industrial and Engineering Chemistry, 2020, 88, 29-57.	2.9	147
1030	Improving the efficiency of Nafion-based proton exchange membranes embedded with magnetically aligned silica-coated Co3O4 nanoparticles. Solid State Ionics, 2020, 351, 115343.	1.3	18
1031	Mechanical properties of glassy polymers with controlled NP spatial organization. Polymer Testing, 2020, 90, 106640.	2.3	15
1032	Detection of Human p53 In-Vitro Expressed in a Transcription-Translation Cell-Free System by a Novel Conjugate Based on Cadmium Sulphide Nanoparticles. Nanomaterials, 2020, 10, 984.	1.9	6
1033	Superâ€crosslinked ionic liquidâ€intercalated montmorillonite/epoxy nanocomposites: Cure kinetics, viscoelastic behavior and thermal degradation mechanism. Polymer Engineering and Science, 2020, 60, 1940-1957.	1.5	37
1034	Influence of incorporating beta zeolite nanoparticles on water permeability and ion selectivity of polyamide nanofiltration membranes. Journal of Environmental Sciences, 2020, 98, 77-84.	3.2	38
1035	Investigating the growth of hyperbranched polymers by self-condensing vinyl RAFT copolymerization from the surface of upconversion nanoparticles. Polymer Chemistry, 2020, 11, 4313-4325.	1.9	6

#	Article	IF	CITATIONS
1036	Surface Modification of Luminescent Ln ^{III} Fluoride Core–Shell Nanoparticles with Acetylsalicylic acid (Aspirin): Synthesis, Spectroscopic and <i>in Vitro</i> Hemocompatibility Studies. ChemMedChem, 2020, 15, 1490-1496.	1.6	5
1037	Organic–Inorganic Hybrid Nanomaterials for Electrocatalytic CO ₂ Reduction. Small, 2020, 16, e2001847.	5.2	79
1038	Introduction to Active, Smart, and Intelligent Nanomaterials for Biomedical Application. , 2020, , 1-16.		3
1039	Surface Organic Modification of Nano-Sb ₂ O ₃ Particles with Silane Coupling Agent. Integrated Ferroelectrics, 2020, 208, 83-90.	0.3	5
1040	Transformation pathways and fate of engineered nanoparticles (ENPs) in distinct interactive environmental compartments: A review. Environment International, 2020, 138, 105646.	4.8	238
1041	Tumor-mediated shape-transformable nanogels with pH/redox/enzymatic-sensitivity for anticancer therapy. Journal of Materials Chemistry B, 2020, 8, 3801-3813.	2.9	16
1042	Underwater writable and heat-insulated paper with robust fluorine-free superhydrophobic coatings. Nanoscale, 2020, 12, 8536-8545.	2.8	24
1043	A state-of-the-art review of the application of nanotechnology in the oil and gas industry with a focus on drilling engineering. Journal of Petroleum Science and Engineering, 2020, 191, 107118.	2.1	68
1044	Colossal dielectric permittivity of Nylon-6 matrix-based composites with nano-TiO2 fillers. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	4
1045	The Construction of a Hydrophilic Inorganic Layer Enables Mechanochemically Robust Super Antifouling UHMWPE Composite Membrane Surfaces. Polymers, 2020, 12, 569.	2.0	10
1046	A new insight into the temperature induced molecular aggregations in tris(8-hydroxyquinoline) metals. Journal of Materials Research and Technology, 2020, 9, 4558-4565.	2.6	9
1047	Antibacterial efficiency assessment of polymer-nanoparticle composites using a high-throughput microfluidic platform. Materials Science and Engineering C, 2020, 111, 110754.	3.8	13
1048	Mechanochemical surface modification of nano-Sb ₂ O ₃ particles with a cationic surfactant. Inorganic and Nano-Metal Chemistry, 2020, 50, 515-520.	0.9	3
1049	Electrochemical impedance spectroscopic analysis of aluminum and gallium mixed matrix membranes. Journal of Solid State Electrochemistry, 2020, 24, 961-974.	1.2	2
1050	Visible light–driven perovskite-based photocatalyst for wastewater treatment. , 2020, , 265-302.		2
1051	From nanocomposites to nanostructured materials. , 2020, , 3-39.		2
1052	Aramid Nanofiber Templated In Situ S _N Ar Polymerization for Maximizing the Performance of All-Organic Nanocomposites. ACS Macro Letters, 2020, 9, 558-564.	2.3	25
1053	Nickel(II) Nanoparticles Immobilized on EDTA-Modified Fe ₃ O ₄ @SiO ₂ Nanospheres as Efficient and Recyclable Catalysts for Ligand-Free Suzuki–Miyaura Coupling of Aryl Carbamates and Sulfamates. ACS Omega, 2020, 5, 7406-7417.	1.6	38

#	Article	IF	CITATIONS
1054	Functionalization of Metal Surface via Thiol–Ene Click Chemistry: Synthesis, Adsorption Behavior, and Postfunctionalization of a Catechol- and Allyl-Containing Copolymer. ACS Omega, 2020, 5, 7488-7496.	1.6	15
1055	Silicon nanocrystal hybrid photovoltaic devices for indoor light energy harvesting. RSC Advances, 2020, 10, 12611-12618.	1.7	11
1056	Dielectric Relaxation in the Hybrid Epoxy/MWCNT/MnFe2O4 Composites. Polymers, 2020, 12, 697.	2.0	15
1057	Introducing deep eutectic solvents as flux boosting and surface cleaning agents for thin film composite polyamide membranes. Green Chemistry, 2020, 22, 2381-2387.	4.6	33
1058	Polymeric Membranes Incorporated With ZnO Nanoparticles for Membrane Fouling Mitigation: A Brief Review. Frontiers in Chemistry, 2020, 8, 224.	1.8	74
1059	Application of Organic Coagulants in Water and Wastewater Treatment. , 0, , .		22
1060	Chemical Surface Modification of Polymeric Biomaterials for Biomedical Applications. Macromolecular Rapid Communications, 2020, 41, e1900430.	2.0	86
1061	Effect of immobilization method and particle size on heavy metal ion recovery of thermoresponsive polymer/magnetic particle composites. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 590, 124499.	2.3	9
1062	Characterization of TiO2nanopaint for automotive application. IOP Conference Series: Materials Science and Engineering, 2020, 863, 012053.	0.3	2
1063	Fabrication of acrylic hydrogel incorporated with magnetic nanoparticles and its physical and thermal properties. AIP Conference Proceedings, 2020, , .	0.3	1
1064	Effect of synthesis variables on the characteristics of magnesium hydroxide nanoparticles and evaluation of the fluorescence of functionalised Mg(OH)2 nanoparticles. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2020, 11, 025008.	0.7	8
1065	Development and Characterization of Poly Ethylene-Co-Vinyl Acetate (PEVA) Hybrid Nanocomposite Encapsulates for Solar PV. , 0, , .		1
1066	Bottomâ€Up Design of Composite Supraparticles for Powderâ€Based Additive Manufacturing. Small, 2020, 16, e2002076.	5.2	22
1067	Biomedical applications of magnetic nanoparticles. , 2020, , 301-328.		7
1068	Radiation-induced synthesis of tween 80 stabilized silver nanoparticles for antibacterial applications. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2020, 55, 1210-1217.	0.9	24
1069	Synthesis and characterization of Fe3O4@polythionine-Au for the removal and pre-concentration of Cu(II) from marine samples. Journal of the Iranian Chemical Society, 2020, 17, 3327-3338.	1.2	1
1070	Simultaneous removal of harmful algal cells and toxins by a Ag2CO3-N:GO photocatalyst coating under visible light. Science of the Total Environment, 2020, 741, 140341.	3.9	38
1071	An updated review on the properties, fabrication and application of hybrid-nanofluids along with their environmental effects. Journal of Cleaner Production, 2020, 257, 120408.	4.6	173

#	Article	IF	Citations
1072	Drug delivery system of dual-responsive PF127 hydrogel with polysaccharide-based nano-conjugate for textile-based transdermal therapy. Carbohydrate Polymers, 2020, 236, 116074.	5.1	48
1073	A novel approach to fabricate polyacrylate modified graphene oxide for improving the corrosion resistance of epoxy coatings. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 593, 124627.	2.3	47
1074	Oral administration of protein nanoparticles: An emerging route to disease treatment. Pharmacological Research, 2020, 158, 104685.	3.1	44
1075	Development of high-performance mixed matrix reverse osmosis membranes by incorporating aminosilane-modified hydrotalcite. RSC Advances, 2020, 10, 5648-5655.	1.7	11
1076	Poly(p-xylylene) Nanotubes Decorated with Nonagglomerated Gold Nanoparticles for the Alcoholysis of Dimethylphenylsilane. ACS Applied Nano Materials, 2020, 3, 2766-2773.	2.4	4
1077	Protonation-dependent adsorption of polyarginine onto silver nanoparticles. Journal of Applied Physics, 2020, 127, 075502.	1.1	11
1078	Application of Organic-Inorganic Hybrids in Chemical Analysis, Bio- and Environmental Monitoring. Applied Sciences (Switzerland), 2020, 10, 1458.	1.3	19
1079	Magnetic field induced uniaxial alignment of the lyotropic liquid-crystalline PMMA-grafted Fe ₃ O ₄ nanoplates with controllable interparticle interaction. Nanoscale Advances, 2020, 2, 814-822.	2.2	6
1080	Thermal conductivity and mechanical properties of polyimide composites with mixed fillers of BN flakes and SiC @SiO 2 whiskers. Polymer Engineering and Science, 2020, 60, 1044-1053.	1.5	10
1081	Multilayer thin film structures for multifunctional glass: Self-cleaning, antireflective and energy-saving properties. Applied Energy, 2020, 264, 114697.	5.1	74
1082	Effect of lithium bis(trifluoromethane)sulfonimide treatment on titanium dioxide-based electron transporting layer of perovskite solar cells. Thin Solid Films, 2020, 700, 137888.	0.8	2
1083	Toward the development of polyethylene photocatalytic degradation. Journal of Polymer Engineering, 2020, 40, 181-191.	0.6	39
1084	Nanocatalysts and other nanomaterials for water remediation from organic pollutants. Coordination Chemistry Reviews, 2020, 408, 213180.	9.5	389
1085	Nano-Hydroxyapatite Particle Brushes via Direct Initiator Tethering and Surface-Initiated Atom Transfer Radical Polymerization for Dual Responsive Pickering Emulsion. Langmuir, 2020, 36, 1192-1200.	1.6	7
1086	Colorimetric sensing approaches of surface-modified gold and silver nanoparticles for detection of residual pesticides: a review. International Journal of Environmental Analytical Chemistry, 2021, 101, 3006-3022.	1.8	40
1087	Enhanced mechanical and biological characteristics of PLLA composites through surface grafting of oligolactide on magnesium hydroxide nanoparticles. Biomaterials Science, 2020, 8, 2018-2030.	2.6	20
1088	Functional properties of composites containing silver nanoparticles embedded in hyaluronan and hyaluronan lecithin matrix. International Journal of Biological Macromolecules, 2020, 149, 417-423.	3.6	20
1089	One-Component Nanocomposites Based on Polymer-Grafted Cellulose Nanocrystals. Macromolecules, 2020, 53, 821-834.	2.2	26

#	Article	IF	CITATIONS
1090	Design Principle of Reactive Components for Dimethacrylateâ€Terminated Quantum Dots: Preserved Photoluminescent Quantum Yield, Excellent Pattern Uniformity, and Suppression of Aggregation in the Matrix. Macromolecular Chemistry and Physics, 2020, 221, 1900488.	1.1	1
1091	Synthesis of Fe3O4@SiO2@PAMAM dendrimer@AgNP hybrid nanoparticles for the preparation of carrageenan-based functional nanocomposite film. Food Packaging and Shelf Life, 2020, 24, 100473.	3.3	36
1092	Dielectric properties of solution-processed BaTiO3–styrene butadiene styrene nanocomposite films. CrystEngComm, 2020, 22, 1261-1272.	1.3	7
1093	Metallic Nanoparticle-Based Optical Cell Chip for Nondestructive Monitoring of Intra/Extracellular Signals. Pharmaceutics, 2020, 12, 50.	2.0	1
1094	High-Repetition-Rate Femtosecond Laser Processing of Acrylic Intra-Ocular Lenses. Polymers, 2020, 12, 242.	2.0	8
1095	Degradation of Sesame Oil Phenolics Using Magnetic Immobilized Laccase. Catalysis Letters, 2020, 150, 3086-3095.	1.4	9
1096	Improved permeation, separation and antifouling performance of customized polyacrylonitrile ultrafiltration membranes. Chemical Engineering Research and Design, 2020, 159, 157-169.	2.7	17
1097	Preparation of Hybrid Chitosan/Silica Composites Via Ionotropic Gelation and Its Electrochemical Impedance Studies. Progress in Organic Coatings, 2020, 145, 105679.	1.9	12
1098	Preparation of nano - coating powder CaF2@Al(OH)3 and its application in Al2O3/Ti(C,N) self-lubricating ceramic tool materials. Ceramics International, 2020, 46, 15949-15957.	2.3	18
1099	Preparation of highly dispersible glass frit powders and its application in ink-jet printing ink. Journal of the European Ceramic Society, 2020, 40, 3489-3493.	2.8	9
1100	Potassium Ferrite as Heterogeneous Photo-Fenton Catalyst for Highly Efficient Dye Degradation. Catalysts, 2020, 10, 293.	1.6	16
1101	Ageing of Dental Composites Based on Methacrylate Resins—A Critical Review of the Causes and Method of Assessment. Polymers, 2020, 12, 882.	2.0	79
1102	Surface organic modified magnesium titanate particles with three coupling agents: Characterizations, properties and potential application areas. Applied Surface Science, 2020, 520, 146322.	3.1	13
1103	Preparation, Characterization, and Application of Polyacrylamideâ€Polystyrene/Bentonite Nanocomposite as an Effective Immobilizing Adsorbent for Remediation of Soil. ChemistrySelect, 2020, 5, 4538-4547.	0.7	9
1104	Synthesis route for the fabrication of nanocomposite membranes. , 2020, , 69-89.		7
1105	Application of functional single-element and double-element oxide nanoparticles for the development of nanocomposite membranes. , 2020, , 113-144.		2
1106	Excellent Mechanical and Transparency Properties of Cationic Waterborne Polyurethane Films Modified by Boehmite Sol. Macromolecular Materials and Engineering, 2020, 305, 2000021.	1.7	9
1107	Synthesis, characterization and absorption study of chitosan-g-poly(acrylamide-co-itaconic acid) hydrogel. Polymer Bulletin, 2021, 78, 1887-1907.	1.7	22

#	Article	IF	Citations
1108	Effects of nanobarium titanate on physical and mechanical properties of poly(methyl methacrylate) denture base nanocomposites. Polymers and Polymer Composites, 2021, 29, 484-496.	1.0	8
1109	Analysis of optical linearity and nonlinearity of Fe3+- doped PMMA/FTO polymeric films: New trend for optoelectronic polymeric devices. Physica B: Condensed Matter, 2021, 601, 412628.	1.3	10
1110	Solvent accommodation effect on dispersibility of metal oxide nanoparticle with chemisorbed organic shell. Journal of Colloid and Interface Science, 2021, 587, 574-580.	5.0	19
1111	Condensation Enhancement on Hydrophobic Surfaces Using Electrophoretic Method and Hybrid Paint Coating. Heat Transfer Engineering, 2021, 42, 1557-1572.	1.2	4
1112	Sonochemical synthesis of aluminium and aluminium hybrids for remediation of toxic metals. Ultrasonics Sonochemistry, 2021, 70, 105299.	3.8	6
1113	Facile construction for new core-shell Z-scheme photocatalyst GO/AgI/Bi2O3 with enhanced visible-light photocatalytic activity. Journal of Colloid and Interface Science, 2021, 581, 148-158.	5.0	57
1114	Synthesis, Characterization, Thermal Properties and Temperature-Dependent AC Conductivity Studies of Poly (Butyl Methacrylate)/Neodymium Oxide Nanocomposites. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 365-374.	1.9	12
1115	Organic and inorganic antibacterial approaches in combating bacterial infection for biomedical application. Materials Science and Engineering C, 2021, 118, 111382.	3.8	143
1116	Effects of functionalized fumed-silica on the three-point bending and sliding wear properties of woven basalt fabric-epoxy composites. Journal of the Textile Institute, 2021, 112, 1491-1499.	1.0	3
1117	Fabrication and study of thermal and combustion resistance of <scp>DOPO</scp> â€functionalized polyamide reinforced with organoâ€modified Mg(<scp>OH</scp>) ₂ nanoparticles. Polymer International, 2021, 70, 317-330.	1.6	16
1118	The influence of nanoparticles on phase formation and stability of liquid crystals and liquid crystals and liquid crystalline polymers. Journal of Molecular Liquids, 2021, 321, 114849.	2.3	34
1119	Preparation of novel fluorescence nanosensor κC - CdTe/ZnS quantum dots for high accurate detection of Epirubicin. Materials Today Communications, 2021, 26, 101874.	0.9	4
1120	Hierarchical Incorporation of Surface-Functionalized Laponite Clay Nanoplatelets with Type I Collagen Matrix. Biomacromolecules, 2021, 22, 504-513.	2.6	8
1121	Current applications of drug delivery nanosystems associated with antimicrobial photodynamic therapy for oral infections. International Journal of Pharmaceutics, 2021, 592, 120078.	2.6	21
1122	Aqueous solution-processed MXene (Ti3C2Tx) for non-hydrophilic epoxy resin-based composites with enhanced mechanical and physical properties. Materials and Design, 2021, 197, 109276.	3.3	50
1123	Suppression of different functional group modified powders on 9.5% CH4-air explosion and molecular simulation mechanism. Journal of Loss Prevention in the Process Industries, 2021, 69, 104344.	1.7	11
1124	Applications of Surface Modification Technologies in Nanomedicine for Deep Tumor Penetration. Advanced Science, 2021, 8, 2002589.	5.6	124
1125	Synthesis of polyamide 6/nano-hydroxyapatite hybrid (PA6/n-HAp) for the sorption of rare earth elements and uranium. Journal of Environmental Chemical Engineering, 2021, 9, 104731.	3.3	24

#	Article	IF	CITATIONS
1126	Investigation on mechanical and thermo-mechanical properties of injection molded PP-TiO2 composites. Materials Today: Proceedings, 2021, 44, 4607-4611.	0.9	3
1127	Modification of macromolecular dynamics in polyacrylic hybrid nanocomposite with un-treated SiO2 nanoparticles. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 265, 114976.	1.7	1
1128	Highly efficient synthesis of silica oated magnetic nanoparticles modified with iminodiacetic acid applied to synthesis of 1,2,3â€ŧriazoles. Applied Organometallic Chemistry, 2021, 35, e6132.	1.7	12
1129	Development of dispersible radioluminescent silicate nanoparticles through a sacrificial layer approach. Journal of Colloid and Interface Science, 2021, 582, 1128-1135.	5.0	3
1130	Highly porous nanocoatings tailored for inverse nanoparticleâ€polymer composites. Nano Select, 2021, 2, 271-292.	1.9	3
1131	Chitosan-coated hydroxyapatite and drug-loaded polytrimethylene carbonate/polylactic acid scaffold for enhancing bone regeneration. Carbohydrate Polymers, 2021, 253, 117198.	5.1	48
1132	Flammability, thermal stability, and mechanical properties of ethyleneâ€propyleneâ€diene monomer/polypropylene composites filled with intumescent flame retardant and inorganic synergists. Journal of Applied Polymer Science, 2021, 138, 50116.	1.3	9
1133	Gellan gel comprising short PVDF based-nanofibers: The effect of piezoelectric nanofiber on the mechanical and electrical behavior. Materials Today Communications, 2021, 26, 101785.	0.9	6
1134	Engineering Biofunctional Enzymeâ€Mimics for Catalytic Therapeutics and Diagnostics. Advanced Functional Materials, 2021, 31, 2007475.	7.8	47
1135	Imidazole-functionalized nitrogen-rich Mg-Al-CO3 layered double hydroxide for developing highly crosslinkable epoxy with high thermal and mechanical properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 611, 125826.	2.3	22
1136	Enhancement of flexural strength of glass-nylon fibre hybrid composites using alumina nano filler. Materials Research Innovations, 2021, 25, 338-341.	1.0	2
1137	Surface engineering of nanoparticles for highly efficient <scp>UV</scp> â€shielding composites. Polymers for Advanced Technologies, 2021, 32, 6-16.	1.6	18
1138	Efficient Nanocomposite Catalysts for Sustainable Production of Biofuels and Chemicals from Furanics. , 2021, , 625-668.		0
1139	Chem-inspired hollow ceria nanozymes with lysosome-targeting for tumor synergistic phototherapy. Journal of Materials Chemistry B, 2021, 9, 2515-2523.	2.9	6
1140	Evaluation of the formation and antifouling properties of a novel adsorptive homogeneous mixed matrix membrane with <i>in situ</i> generated Zr-based nanoparticles. RSC Advances, 2021, 11, 8491-8504.	1.7	4
1141	Hybrid Metal-Polymer Nanocomposites: Synthesis, Characterization, and Applications. , 2021, , 1-36.		1
1142	TEMPO driven thiol–ene reaction for the preparation of polymer functionalized silicon wafers. New Journal of Chemistry, 2021, 45, 9118-9129.	1.4	3
1143	Nanoparticles as delivery vehicles for antiviral therapeutic drugs. Engineered Regeneration, 2021, 2, 31-46.	3.0	29

#	ARTICLE Polvamide/nanosilica nanocomposite: a chronicle of design and high-tech progressions. Materials	IF	CITATIONS
1144	Research Innovations, O, , 1-12.	1.0	3
1145	Polymer–Inorganic Colloidal Nanocomposites. RSC Nanoscience and Nanotechnology, 2021, , 123-160.	0.2	Ο
1146	The Chemistry in Surface Functionalization of Nanoparticles for Molecular Imaging. , 2021, , 493-516.		4
1147	Recent Developments of Epoxy Nanocomposites Used for Aerospace and Automotive Application. , 2021, , 1295-1318.		0
1148	Eco-friendly supramolecular systems. , 2021, , 121-139.		1
1149	Electrospun composite nanofibers as sensors for food analysis. , 2021, , 261-286.		5
1150	Synthesis of hybrid materials: methods and classification. , 2021, , 177-212.		1
1151	Removal of cadmium by in-situ Cu nanoparticle enhanced ceramic-supported-polymeric composite NF membrane. Materials Today: Proceedings, 2021, 47, 1496-1499.	0.9	4
1152	Atomically precise vanadium-oxide clusters. Nanoscale Advances, 2021, 3, 1293-1318.	2.2	37
1153	Dispersibility of Poly(vinyl acetate) Modified Silica Nanoparticles in Carbon Dioxide with Several Cosolvents. Langmuir, 2021, 37, 655-665.	1.6	3
1154	Nanomaterials, nanofillers, and nanocomposites: types and properties. , 2021, , 3-37.		9
1155	Recent advances in the synthesis of smart hydrogels. Materials Advances, 2021, 2, 4532-4573.	2.6	85
1156	Nanofertilizers and nanopesticides: Future of plant protection. , 2021, , 57-84.		6
1157	Polymer Matrix-Based Nanocomposites: Preparation and Properties. , 2021, , 317-331.		1
1158	ZnO nanofillers–based polymer and polymer blend nanocomposites. , 2021, , 157-186.		0
1159	Recent Advances in the Rejection of Endocrine-Disrupting Compounds from Water Using Membrane and Membrane Bioreactor Technologies: A Review. Polymers, 2021, 13, 392.	2.0	38
1160	Essence of nanoparticles and functional nanofillers for conducting polymers. , 2021, , 57-76.		0
1161	Nanomaterial-Incorporated Polymer Composites for Industrial Effluent: From Synthesis to Application. , 2021, , 998-1012.		0

#	Article	IF	CITATIONS
1162	Molecular dynamics insight into viscosity reduction of hydrolysed polyacrylamide by using carbon quantum dots. RSC Advances, 2021, 11, 26037-26048.	1.7	4
1163	Crosslinked dielectric materials for high-temperature capacitive energy storage. Journal of Materials Chemistry A, 2021, 9, 10000-10011.	5.2	63
1164	Iron Oxidation in a Mixture with Polycarbonate after Plastic Deformation under High Pressure. Protection of Metals and Physical Chemistry of Surfaces, 2021, 57, 52-58.	0.3	4
1165	Amino-modified hollow alumina spheres: effective adsorbent for Cd2+, Pb2+, As(V), and diclofenac removal. Environmental Science and Pollution Research, 2021, 28, 27174-27192.	2.7	7
1166	Nanoparticle-Catalyzed Green Chemistry Synthesis of Polybenzoxazole. Journal of the American Chemical Society, 2021, 143, 2115-2122.	6.6	20
1167	Progress in Biodegradable Flame Retardant Nano-Biocomposites. Polymers, 2021, 13, 741.	2.0	35
1168	Functionalization of Magnetic Nanoparticles with Organic Ligands toward Biomedical Applications. Advanced NanoBiomed Research, 2021, 1, 2000043.	1.7	12
1169	The Adhesion of Plasma Nanocoatings Controls the Shear Properties of GF/Polyester Composite. Polymers, 2021, 13, 593.	2.0	8
1170	Modified Nanofibrous Filters with Durable Antibacterial Properties. Molecules, 2021, 26, 1255.	1.7	7
1171	Antimicrobial Active Bioplastics Using Triangular Silver Nanoplate Integrated Polycaprolactone and Polylactic Acid Films. Materials, 2021, 14, 1132.	1.3	2
1172	Nanoencapsulation of Permethrin in Polylactic Acid to Enhance Insecticide Persistence for Scolytinae Pest Control. Journal of Nano Research, 0, 66, 143-152.	0.8	0
1173	A Review on Polymer Nanocomposites and Their Effective Applications in Membranes and Adsorbents for Water Treatment and Gas Separation. Membranes, 2021, 11, 139.	1.4	89
1174	Ameliorated Electrical-Tree Resistant Characteristics of UV-Initiated Cross-Linked Polyethylene Nanocomposites with Surface-Functionalized Nanosilica. Processes, 2021, 9, 313.	1.3	6
1175	Designer Core–Shell Nanoparticles as Polymer Foam Cell Nucleating Agents: The Impact of Molecularly Engineered Interfaces. ACS Applied Materials & Interfaces, 2021, 13, 17034-17045.	4.0	12
1177	Biological and Medical Applications of Calcium Phosphate Nanoparticles. Chemistry - A European Journal, 2021, 27, 7471-7488.	1.7	57
1178	Alkynyl-functionalization of carbon nanotubes to promote anchoring potential in glycidyl azide polymer-based binders via Huisgen reaction for solid propellant application. Journal of Polymer Research, 2021, 28, 1.	1.2	3
1179	Polystyrene brushes/TiO2 nanoparticles prepared via SI-ATRP on polypropylene and its superhydrophobicity. Journal of Polymer Research, 2021, 28, 1.	1.2	5
1180	Polymer nanocomposites with aligned two-dimensional materials. Progress in Polymer Science, 2021, 114, 101360.	11.8	39

#	Article	IF	CITATIONS
1181	Polyethylene-BN nanosheets nanocomposites with enhanced thermal and mechanical properties. Composites Science and Technology, 2021, 204, 108631.	3.8	25
1182	Magneto-responsive photochromic acrylic copolymer nanoparticles: An investigation into the mutual interactions and photoisomerization kinetics. Polymer, 2021, 218, 123524.	1.8	2
1183	Novel magnetic polyaniline nanocomposites based on as-synthesized and surface modified Co-doped ZnO diluted magnetic oxide (DMO) nanoparticles. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 265, 115032.	1.7	11
1184	Innovative Polymeric Hybrid Nanocomposites for Application in Photocatalysis. Polymers, 2021, 13, 1184.	2.0	7
1185	The research progress in recording layer of the inkjet printing materials. Journal of Applied Polymer Science, 2021, 138, 50894.	1.3	5
1186	Toughening and polymerization stress control in composites using thiourethane-treated fillers. Scientific Reports, 2021, 11, 7638.	1.6	7
1187	Efficient Energy Funneling in Spatially Tailored Segmented Conjugated Block Copolymer Nanofiber–Quantum Dot or Rod Conjugates. Journal of the American Chemical Society, 2021, 143, 7032-7041.	6.6	25
1188	pH/Thermo-Responsive Grafted Alginate-Based SiO2 Hybrid Nanocarrier/Hydrogel Drug Delivery Systems. Polymers, 2021, 13, 1228.	2.0	14
1189	Polydopamine-Assisted Modification of Anion-Exchange Membranes with Nanomaterials for Improved Biofouling Resistance and Electrodialysis Performance. ACS ES&T Engineering, 2021, 1, 1009-1020.	3.7	6
1190	In situ deposition of silver nanoparticles on polydopamineâ€coated manganese ferrite nanoparticles: Synthesis, characterization, and application to the degradation of organic dye pollutants as an efficient magnetically recyclable nanocatalyst. Applied Organometallic Chemistry, 2021, 35, e6284.	1.7	16
1191	New Light in Polymer Science: Photoinduced Reversible Addition-Fragmentation Chain Transfer Polymerization (PET-RAFT) as Innovative Strategy for the Synthesis of Advanced Materials. Polymers, 2021, 13, 1119.	2.0	29
1192	Mesoporous Silica Nanoparticles: Properties and Strategies for Enhancing Clinical Effect. Pharmaceutics, 2021, 13, 570.	2.0	47
1193	Ferrite-based polymer nanocomposites as shielding materials: a review. Chemical Papers, 2021, 75, 3697-3710.	1.0	25
1194	Antimicrobial and barrier properties of polyacrylic acid/GO hybrid nanocomposites for packaging application. Nano Structures Nano Objects, 2021, 26, 100747.	1.9	19
1195	Engineering the Interface between Inorganic Nanoparticles and Biological Systems through Ligand Design. Nanomaterials, 2021, 11, 1001.	1.9	13
1196	pH-Responsive Coating of Silver Nanoparticles with Poly(2-(<i>N</i> , <i>N</i> -dimethylamino)ethyl) Tj ETQq1 1 C 2021, 125, 12118-12130.	.784314 r 1.5	gBT /Overloc 5
1197	Stable and Highly Efficient Antibody–Nanoparticles Conjugation. Bioconjugate Chemistry, 2021, 32, 1146-1155.	1.8	13
1198	Synthesis, Characterization, and Functional Properties of ZnO-based Polyurethane Nanocomposite for Textile Applications. Fibers and Polymers, 2021, 22, 2227-2237.	1.1	10

#	Article	IF	Citations
1199	Preparation and non-isothermal cure kinetics study of epoxy resin nanocomposites with amine and epoxy functionalized magnetic nanoparticles. High Performance Polymers, 2021, 33, 1025-1034.	0.8	3
1200	Physico-Chemical Challenges in 3D Printing of Polymeric Nanocomposites and Hydrogels for Biomedical Applications. Journal of Nanoscience and Nanotechnology, 2021, 21, 2778-2792.	0.9	4
1201	Interaction of Poly L-Lactide and Tungsten Disulfide Nanotubes Studied by In Situ X-ray Scattering during Expansion of PLLA/WS2NT Nanocomposite Tubes. Polymers, 2021, 13, 1764.	2.0	6
1202	Preparation and properties of LLDPE/LLDPE- <i>g</i> -PS/MgO@PS Nanocomposites. Polymer-Plastics Technology and Materials, 0, , 1-9.	0.6	1
1203	Nanocarrier-based drug delivery systems for bone cancer therapy: a review. Biomedical Materials (Bristol), 2021, 16, 044107.	1.7	15
1204	Polysaccharide-Based Packaging Functionalized with Inorganic Nanoparticles for Food Preservation. Polysaccharides, 2021, 2, 400-428.	2.1	12
1205	Metalâ€free multicomponent synthesis and in vitro antioxidant activity of indolylpyrazolopyrimidines. Journal of Heterocyclic Chemistry, 2021, 58, 1472-1483.	1.4	0
1206	Interdependency of influential parameters in therapeutic nanomedicine. Expert Opinion on Drug Delivery, 2021, 18, 1379-1394.	2.4	8
1207	Preparation and Characterization of Polystyrene Hybrid Composites Reinforced with 2D and 3D Inorganic Fillers. Micro, 2021, 1, 3-14.	0.9	3
1208	Sulfonated polyethersulfone membrane doped with ZnO-APTES nanoparticles with antimicrobial properties. Reactive and Functional Polymers, 2021, 162, 104872.	2.0	9
1209	Structural, thermal, and mechanical properties of silanized boron carbide doped epoxy nanocomposites. Journal of Applied Polymer Science, 2021, 138, 51244.	1.3	11
1210	METAL-ORGANIC FRAMEWORK: A SMART REPLACEMENT FOR CONVENTIONAL NANOFILLERS FOR THE ENHANCEMENT OF MECHANICAL PROPERTIES AND THERMAL STABILITY OF SBR NANOCOMPOSITE. Rubber Chemistry and Technology, 2021, 94, 515-532.	0.6	3
1211	Impact of metal oxide nanoparticles on cotton (Gossypium hirsutum L.): a physiological perspective. Journal of Cotton Research, 2021, 4, .	1.0	9
1212	Thermal degradation mechanism and thermal life of PMMA/hydroxylated MWCNT nanocomposites. Plastics, Rubber and Composites, 2022, 51, 98-108.	0.9	2
1213	Optimized Synthesis of Biopolymer-Based Zinc Oxide Nanoparticles and Evaluation of Their Antibacterial Activity. Egyptian Journal of Chemistry, 2021, .	0.1	2
1214	Polyethyleneimine (PEI) grafted silica nanoparticles for polyethersulfone membranes modification and their outlooks for wastewater treatment - a review. International Journal of Environmental Analytical Chemistry, 2023, 103, 4752-4776.	1.8	10
1215	Plasma & Microwaves as Greener Options for Nanodiamond Purification: Insight Into Cytocompatibility. Frontiers in Bioengineering and Biotechnology, 2021, 9, 637587.	2.0	4
1216	Virus-inspired strategies for cancer therapy. Seminars in Cancer Biology, 2022, 86, 1143-1157.	4.3	15

#	Article	IF	CITATIONS
1217	Bioinspired antibacterial PVA/Melanin-TiO2 hybrid nanoparticles: the role of poly-vinyl-alcohol on their self-assembly and biocide activity. Colloids and Surfaces B: Biointerfaces, 2021, 202, 111671.	2.5	20
1220	Study on the Thermal Stability of Ureaâ€Formaldehyde Resin Microcapsules with Nanosilica Incorporation by Molecular Dynamics Simulation and Experiments. Macromolecular Theory and Simulations, 2021, 30, 2100009.	0.6	2
1221	Effect of interfacial area on the dielectric properties of ceramic-polymer nanocomposites using coupling agent blended matrix. Journal of Materials Science: Materials in Electronics, 2021, 32, 17568-17579.	1.1	3
1222	Transition metal oxides in electrochemical and bio sensing: A state-of-art review. Applied Surface Science Advances, 2021, 4, 100072.	2.9	124
1223	Recent progress in the optical detection of pathogenic bacteria based on noble metal nanoparticles. Mikrochimica Acta, 2021, 188, 258.	2.5	24
1224	Synthesis, electrical, and dielectric properties of novel polyaniline/strontium diâ€nitrate composites. Polymer Composites, 2021, 42, 5125-5133.	2.3	6
1225	Facile in situ fabrication of ZnO-embedded cellulose nanocomposite films with antibacterial properties and enhanced mechanical strength via hydrogen bonding interactions. International Journal of Biological Macromolecules, 2021, 183, 760-771.	3.6	26
1226	Oil Displacement Efficiency of a Silica/HPAM Nanohybrid. Energy & Fuels, 2021, 35, 13077-13085.	2.5	6
1227	Silane treatment of drop-on glass-beads and their performance in two-component traffic paints. Progress in Organic Coatings, 2021, 156, 106235.	1.9	8
1228	Mixed-Matrix Membrane Fabrication for Water Treatment. Membranes, 2021, 11, 557.	1.4	27
1229	Surface organic modification of SrAl2O4: Eu2+, Dy3+ via coupling agents to enhance hydrolysis resistance. Journal of Materials Science: Materials in Electronics, 2021, 32, 20804-20816.	1.1	7
1230	Catechol End-Capped Poly(arylene sulfide) as a High-Refractive-Index "TiO ₂ /ZrO ₂ -Nanodispersible―Polymer. ACS Applied Polymer Materials, 2021, 3, 4495-4503.	2.0	12
1231	Effect of regular and core shell nanoparticles on tuning the electrical properties of polypropylene for high voltage insulation. Japanese Journal of Applied Physics, 2021, 60, 095001.	0.8	3
1233	Epoxy/Ionic Liquid-Modified Mica Nanocomposites: Network Formation–Network Degradation Correlation. Nanomaterials, 2021, 11, 1990.	1.9	9
1234	Surface control of layered double hydroxides by in-situ initiating & terminating polymerization. Nano Research, 2022, 15, 1538-1546.	5.8	3
1235	Glucose-Targeted Hydroxyapatite/Indocyanine Green Hybrid Nanoparticles for Collaborative Tumor Therapy. ACS Applied Materials & Interfaces, 2021, 13, 37665-37679.	4.0	12
1236	Ultralow loading mussel-inspired conductive hybrid as highly effective modifier for function-engineered poly(lactic acid) composites. International Journal of Biological Macromolecules, 2021, 185, 513-524.	3.6	6
1237	Inorganic–organic interfaces in hybrid solar cells. Electronic Structure, 2021, 3, 033002.	1.0	20

#	Article	IF	Citations
1238	Development of Waste Polystyrene-Based Copper Oxide/Reduced Graphene Oxide Composites and Their Mechanical, Electrical and Thermal Properties. Nanomaterials, 2021, 11, 2372.	1.9	13
1239	Efficient prediction of the packing density of inorganic fillers in dental resin composites for excellent properties. Dental Materials, 2021, 37, 1806-1818.	1.6	3
1240	Overview on toxicity of nanoparticles, it's mechanism, models used in toxicity studies and disposal methods – A review. Biocatalysis and Agricultural Biotechnology, 2021, 36, 102117.	1.5	35
1241	Low-Cost Synthesis of Alumina Nanoparticles and Their Usage for Bisphenol-A Removal from Aqueous Solutions. Processes, 2021, 9, 1709.	1.3	2
1242	Mechanical properties and fracture toughness of fumed silica epoxy composites containing glycidyl terminated polysiloxanes. Ceramics International, 2021, 47, 25738-25743.	2.3	14
1244	Water based quad acrylic copolymer/cloisite 30B nanocomposite heat resistant adhesive: thermal and rheological properties. Journal of Adhesion Science and Technology, 2022, 36, 1541-1556.	1.4	2
1245	High-hydrophobic ZIF-8@PLA composite aerogel and application for oil-water separation. Separation and Purification Technology, 2021, 270, 118794.	3.9	78
1246	Translational considerations for the design of untethered nanomaterials in human neural stimulation. Brain Stimulation, 2021, 14, 1285-1297.	0.7	7
1247	Biodiesel production through transesterification of Chlorella vulgaris: Synthesis and characterization of CaO nanocatalyst. Fuel, 2021, 300, 121018.	3.4	56
1248	Layered double hydroxides as thermal stabilizers for Poly(vinyl chloride): A review. Applied Clay Science, 2021, 211, 106198.	2.6	26
1249	Influence of Hybrid Sol-Gel Crosslinker on Self-Healing Properties for Multifunctional Coatings. Materials, 2021, 14, 5382.	1.3	6
1250	Stepwise surface modification of mesoporous silica and its use in poly(urethaneâ€urea) composite films. Polymer International, 2022, 71, 107-116.	1.6	3
1251	Current Status of Research on the Modification of Thermal Properties of Epoxy Resin-Based Syntactic Foam Insulation Materials. Polymers, 2021, 13, 3185.	2.0	5
1252	Visible-Light-Sensitive Triazine-Coated Silica Nanoparticles: A Dual Role Approach to Polymer Nanocomposite Materials with Enhanced Properties. ACS Applied Materials & Interfaces, 2021, 13, 46033-46042.	4.0	9
1253	Comparison Study of Cytotoxicity of Bare and Functionalized Zinc Oxide Nanoparticles. International Journal of Molecular Sciences, 2021, 22, 9529.	1.8	9
1254	Nanoparticles: Properties and its 3D printing applications. Materials Today: Proceedings, 2021, , .	0.9	0
1255	Size-dependent Effect of MgAl-Layered Double Hydroxides Derived from Mg(OH)2 on Thermal Stability of Poly(vinyl chloride). Materials Today Communications, 2021, , 102851.	0.9	5
1256	Macromolecular strategies for transporting electrons and excitation energy in ordered polymer layers. Progress in Polymer Science, 2021, 121, 101433.	11.8	16

#	ARTICLE Semi-transparent regenerated cellulose/ZnONP nanocomposite film as a potential antimicrobial food	IF 2.7	CITATIONS
1257	packaging material. Journal of Food Engineering, 2021, 307, 110665. Investigating NaIO3 doped PVA polymeric nanocomposites via the structural morphology and linear and nonlinear optical analysis: For optoelectronic systems. Optik, 2021, 245, 167724.	1.4	17
1259	Nutrients and solids removal in bioretention columns using recycled materials under intermittent and frequent flow operations. Journal of Environmental Management, 2021, 297, 113321.	3.8	5
1260	Overall water splitting on surface-polarized Sn3O4 through weakening the trap of Sn(II) to holes. Applied Catalysis B: Environmental, 2021, 299, 120689.	10.8	17
1261	In situ conversion from crew-cut to hairy micelles by surface-initiated polymerization. Journal of Colloid and Interface Science, 2021, 603, 468-477.	5.0	0
1262	Incorporation of barium titanate nanoparticles in piezoelectric PVDF membrane. Journal of Membrane Science, 2021, 640, 119861.	4.1	32
1263	Modification of CaCO3 nanoparticle by styrene-acrylic polymer emulsion spraying and its application in polypropylene material. Powder Technology, 2021, 394, 83-91.	2.1	9
1264	Modeling transport, fate, and removal kinetics of nitrate and orthophosphate using recycled adsorbents for high and low-flow stormwater runoff treatment. Chemosphere, 2022, 287, 132152.	4.2	5
1265	Synthesis and characterization of silicon-based hybrid nanoparticles. , 2022, , 11-43.		3
1266	Thermal Properties of Boehmite-Epoxy Nanocomposites. Research Topics in Aerospace, 2021, , 301-324.	0.6	0
1267	Hybrid Metal-Polymer Nanocomposites: Synthesis, Characterization, and Applications. , 2021, , 565-600.		0
1268	Magnetic nanoparticle-polymer hybrid materials. , 2021, , 139-182.		1
1269	Hybrid silica micro-particles with light-responsive surface properties and Janus-like character. Polymer Chemistry, 2021, 12, 3925-3938.	1.9	2
1270	Mechanisms of the surface reaction and crystal growth of cerium oxide by supercritical hydrothermal treatment with carboxylic acids. CrystEngComm, 2021, 23, 5353-5361.	1.3	7
1271	MnO ₂ -based nanostructured materials for various energy applications. Materials Chemistry Frontiers, 2021, 5, 3549-3575.	3.2	32
1272	Well-Dispersed Nanocomposites Using Covalently Modified, Multilayer, 2D Titanium Carbide (MXene) and In-Situ "Click―Polymerization. Chemistry of Materials, 2021, 33, 1648-1656.	3.2	37
1273	Effect of Epoxy Latexes on the Mechanical Behavior and Porosity Property of Cement Mortar with Different Degrees of Hydration and Polymerization. Materials, 2021, 14, 517.	1.3	20
1274	Silica hairy nanoparticles: a promising material for self-assembling processes. Soft Matter, 2021, 17, 9434-9446.	1.2	7

#	Article	IF	Citations
1275	Amino Acids Functionalized Inorganic Metal Nanoparticles: Synthetic Nanozymes for Target Specific Binding, Sensing and Catalytic Applications. Environmental Chemistry for A Sustainable World, 2021, , 1-33.	0.3	2
1276	Surface-Modified Noble Metal Nanoparticles as Antimicrobial Agents: Biochemical, Molecular and Therapeutic Perspectives. Environmental and Microbial Biotechnology, 2021, , 165-205.	0.4	4
1277	Emerging hybrids derived from polythiophene and graphene. , 2021, , 129-156.		0
1278	Industrial and Commercial Importance of XLPE. Materials Horizons, 2021, , 379-412.	0.3	1
1279	Composite Scintillators. Topics in Applied Physics, 2021, , 201-222.	0.4	1
1280	Investigation of anti-aging of SBS modified bitumen containing surface organic layered double hydroxide. RSC Advances, 2021, 11, 22131-22139.	1.7	6
1281	Metal oxide nanofillers introduced polymer-based composites with advanced optical, optoelectronic, and electrical energy storage functionalities. , 2021, , 51-89.		3
1282	Properties Enhancement of Polymer/Ceramic Nanocomposites. , 2021, , 613-635.		0
1283	Green synthesis of nano-Al ₂ O ₃ , recent functionalization, and fabrication of synthetic or natural polymer nanocomposites: various technological applications. New Journal of Chemistry, 2021, 45, 4885-4920.	1.4	10
1284	Nanometal Thermocatalysts: Transformations, Deactivation, and Mitigation. Small, 2021, 17, e2005771.	5.2	6
1285	Physicochemical aspects of inorganic nanoparticles stabilized in <i>N</i> -vinyl caprolactam based microgels for various applications. RSC Advances, 2021, 11, 978-995.	1.7	4
1286	Modeling and Simulation of Nanocomposites and Their Manufacturing Processes. Research Topics in Aerospace, 2021, , 27-54.	0.6	Ο
1287	The effects of long and bulky aromatic pendent groups with flexible linkages on the thermal, mechanical and electrical properties of the polyimides and their nanocomposites with functionalized silica. RSC Advances, 2021, 11, 16645-16660.	1.7	6
1288	Sol–Gel Nanocomposites. , 2016, , 1-23.		4
1289	Sol-Gel Nanocomposites. , 2018, , 3041-3063.		4
1290	Synthesis and Application of Silica Nanoparticles-Based Biohybrid Sorbents. Springer Series on Polymer and Composite Materials, 2018, , 161-182.	0.5	2
1291	Organic-Inorganic Hybrid Materials. , 2019, , 213-233.		1
1292	Controlled synthesis of modified polyacrylamide grafted nano-sized silica supported Pd nanoparticles via RAFT polymerization through "grafting to―approach: application to the Heck reaction. Colloid and Polymer Science, 2018, 296, 1323-1332.	1.0	14

ARTICLE IF CITATIONS Naturally derived pyroxene nanomaterials: an ore for wide applications. , 2020, , 731-774. 1293 1 Cellular interaction and toxicity of nanostructures., 2020, , 193-243. 1294 Effects of content and surface hydrophobic modification of BaTiO3 on the cooling properties of ASA 1295 3.1 22 (acrylonitrile-styrene-acrylate copolymer). Applied Surface Science, 2018, 427, 654-661. Visible light photo-Fenton catalytic properties of starch functionalized iron oxyhydroxide 1296 nanocomposites. Environmental Nanotechnology, Monitoring and Management, 2020, 14, 100311. Flexible dopamine-functionalized BaTiO3/BaTiZrO3/BaZrO3-PVDF ferroelectric nanofibers for 1297 2.8 47 electrical energy storage. Journal of Alloys and Compounds, 2020, 837, 155492. Advanced hybrid nanomaterials for biomedical applications. Progress in Materials Science, 2020, 114, 1298 16.0 100686. Thermotriggered Catalyst-Free Modification of a Glass Surface with an Orthogonal Agent Possessing 1299 1.6 16 Nitrile <i>N</i>-Oxide and Masked Ketene Functions. Langmuir, 2016, 32, 309-315. Organic-inorganic hybrid corrosion protection coating materials for offshore wind power devices: a 1300 0.4 mini-review and perspective. Molecular Crystals and Liquid Crystals, 2020, 710, 74-89. Recent Progress of Doxorubicin Nanomedicine in Hematologic Malignancies. Nanoscience and 1302 0.4 2 Nanotechnology Letters, 2017, 9, 1861-1874. Transparent ultraviolet-shielding composite films made from dispersing pristine zinc oxide 2.6 nanoparticles in low-density polyethylene. Nanotechnology Reviews, 2020, 9, 1368-1380. Modification of TiO2 nanoparticles through lanthanum doping and peg templating. Processing and 1304 12 0.4 Application of Ceramics, 2014, 8, 195-202. Silver/Polyethylene Glycol Nanocomposite Thin Films and its Biological Applications. Journal of 0.1 Advances in Chemistry, 2015, 11, 3597-3608. High performances unsaturated polyester based nanocomposites: Effect of vinyl modified nanosilica 1306 1.1 49 on mechanical properties. EXPRESS Polymer Letters, 2016, 10, 139-159. Starch based nanocomposites as sensors for heavy metals $\hat{a} \in \hat{a}$ detection of Cu2+ and Pb2+ ions. International Agrophysics, 2019, 33, 121-126. 24 Recent Developments of Epoxy Nanocomposites Used for Aerospace and Automotive Application. 1308 1.0 3 Advances in Mechatronics and Mechanical Engineering, 2020, , 162-190. Nanoparticles Synthesis and Modification using Solution Plasma Process. Applied Science and 1309 Convergence Technology, 2017, 26, 164-173. Manufacture and Physicochemical Properties of Chitosan Oligosaccharide/A2 Î²-Casein Nano-Delivery 1310 1.7 7 System Entrapped with Resveratrol. Food Science of Animal Resources, 2019, 39, 831-843. Alkyd nanocomposite coatings based on waste pet glicolyzates and modified silica nanoparticles. 0.1 Materials Protection, 2016, 57, 47-54.
#	Article	IF	CITATIONS
1312	Unsaturated Polyesters / Layered Silicate Nanocomposites: Synthesis and Characterization. IOSR Journal of Applied Chemistry, 2014, 7, 34-43.	0.2	7
1313	Surface modification of nanoâ€drug delivery systems for enhancing antibiotic delivery and activity. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2022, 14, e1758.	3.3	38
1314	Composite Films of HDPE with SiO2 and ZrO2 Nanoparticles: The Structure and Interfacial Effects. Nanomaterials, 2021, 11, 2673.	1.9	4
1315	Modified Nanopolystyrene as a Plugging Agent for Oil-Based Drilling Fluids Applied in Shale Formation. Energy & amp; Fuels, 2021, 35, 16543-16552.	2.5	18
1316	Self-assembly of gradient copolymers in a selective solvent. New structures and comparison with diblock and statistical copolymers. Polymer, 2021, 235, 124288.	1.8	8
1317	A surface-modified silicon carbide nanoparticles based electrochemical sensor for free interferences determination of caffeine in tea and coffee. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 274, 115473.	1.7	7
1318	Investigation of Interfacial Adhesion of Different Shapes of Nano Carbon Fillers Reinforced Glass Fiber/Epoxy Composites by Spray Coating. Composites Research, 2014, 27, 109-114.	0.1	2
1319	Efecto de la Ingesta de Nanoestructuras en el Organismo. , 2015, , 255-287.		1
1320	The viscoelastic properties of the organic-inorganic IPN based on polyurethane, poly(hydroxyethyl) Tj ETQq0 0 0 r	gBT /Over	lock 10 Tf 50
1322	Biological and mechanical degradation affecting the surface properties of aesthetic restorative. Brazilian Journal of Oral Sciences, 0, 16, 1-10.	0.1	0
1323	A Review of Chemical Treatments on Natural Fibers-Based Hybrid Composites for Engineering Applications. Advances in Chemical and Materials Engineering Book Series, 2018, , 16-37.	0.2	0

1324	Effect of AL2O3 particles on the toughness of hybrid composite with EVA matrix and UHMWPE fibersas reinforcement. Tehnika, 2018, 73, 319-324.	0.0	0
1326	Studying the physico-mechanical and electrical properties of polypropylene / nano copper composites for industrial applications. Egyptian Journal of Chemistry, 2018, .	0.1	1
1327	Preparation of Element-Block Materials Using Inorganic Nanostructures and Their Applications. , 2019, , 219-241.		0
1328	Biocompatible Polymer Based Nanofibers for Tissue Engineering. Materials Horizons, 2019, , 43-66.	0.3	0
1329	Effect of Different Salinization Methods of Silica Filler on Rubber Reinforcement. Journal of Engineering Science, 2019, 15, 71-81.	0.4	1
1330	Enhancement of thermal and insulation properties of αAl2O3/PAI hybrid materials prepared by surface-modified α-Al2O3. Journal of Ceramic Processing Research, 2019, 20, 92-99.	0.4	0
1331	Facile synthesis of mesoporous alumina using hexadecyltrimethylammonium bromide (HTAB) as template: simplified solâ€gel approach. IET Nanobiotechnology, 2019, 13, 834-841.	1.9	2

#	Article	IF	CITATIONS
1332	Ooptical limiting properties of polymer-dye nanohybrids: a comparison between polylactide and PMMA hosts. , 2019, , .		0
1333	The Study on Surface Properties of Nanoparticle-Modified Microcapsules. Lecture Notes in Electrical Engineering, 2020, , 420-429.	0.3	0
1334	Extending Shelf Life of Pasteurized Milk via Chitosan Nanoparticles. Journal of Pure and Applied Microbiology, 2019, 13, 2471-2478.	0.3	5
1335	Cross-Linkable Bio and Mineral Fillers for Reactive Polymer Composites: Processing and Characterization. , 2020, , 135-163.		1
1336	Tb3+ ile Aktive Edilmiş TiO2 Fotolüminesans Nanomalzemelerin Sentezi ve Karakterizasyonu. Deu Muhendislik Fakultesi Fen Ve Muhendislik, 2020, 22, 325-330.	0.1	0
1337	Photoelectric Characteristics of Reduced Graphene Oxide/Silver Nanoparticles Multilayer Films via Spin-Coating and Self-Assembly. Materials Transactions, 2020, 61, 1205-1209.	0.4	1
1338	Wearable membranes from zirconium-oxo clusters cross-linked polymer networks for ultrafast chemical warfare agents decontamination. Chinese Chemical Letters, 2022, 33, 3241-3244.	4.8	6
1339	Simultaneous improvements in antibacterial and flame retardant properties of PET by use of bio-nanotechnology for fabrication of high performance PET bionanocomposites. Environmental Research, 2022, 206, 112281.	3.7	14
1341	Recent progress of thermal conductive ploymer composites: Al2O3 fillers, properties and applications. Composites Part A: Applied Science and Manufacturing, 2022, 152, 106685.	3.8	86
1342	Magnetic Nanoparticles and Their Biomedical Applications. Hacettepe Journal of Biology and Chemistry, 0, , 143-152.	0.3	2
1343	Functionalized nanomaterials for electronics and electrical and energy industries. , 2020, , 269-296.		2
1344	Polymer Matrix Based Nanocomposites: Preparation and Properties. , 2020, , 1-15.		0
1345	Synthesis and Characterization of Core/Shell Titanium Dioxide Nanoparticle/Polyacrylamide Nanocomposite. , 2020, , 422-425.		0
1346	Inhibition of Flame Propagation in Nanocomposites with Expanded Polystyrene Recycled Clay, Gypsum, and Titanium Dioxide. Minerals, Metals and Materials Series, 2020, , 609-618.	0.3	0
1347	Synthesis of Novel Macromolecular Coupling Agent and its Application in Nano-Copper Lubricating Oil. Current Nanoscience, 2020, 16, 253-258.	0.7	1
1348	Progress on Polymer Composites With Low Dielectric Constant and Low Dielectric Loss for High-Frequency Signal Transmission. Frontiers in Materials, 2021, 8, .	1.2	58
1349	Engineered Magnetic Nanocomposites to Modulate Cellular Function. Small, 2022, 18, e2104079.	5.2	16
1350	Effect of Nanoparticles Surface Bonding and Aspect Ratio on Mechanical Properties of Highly Cross-Linked Epoxy Nanocomposites: Mesoscopic Simulations. Materials, 2021, 14, 6637.	1.3	3

#	Article	IF	CITATIONS
1351	Recovery of Vanadium (V) Oxyanions by a Magnetic Macroporous Copolymer Nanocomposite Sorbent. Metals, 2021, 11, 1777.	1.0	8
1352	High Photoluminescence Quantum Yield Perovskite/Polymer Nanocomposites for High Contrast X-ray Imaging. ACS Applied Materials & Interfaces, 2021, 13, 54348-54353.	4.0	17
1353	Synthesis, Characterization and Biological Activities of new Nano Schiff bases Composites. Ibn Al-Haitham Journal for Pure and Applied Sciences, 2020, 33, 55.	0.1	1
1354	Properties Enhancement of Polymer/Ceramic Nanocomposites. Advances in Chemical and Materials Engineering Book Series, 0, , 99-121.	0.2	1
1355	Thepeculiaritiesofformation of cross-linked poly(2-ethyl-2-oxazoline) filmsand nanocompositeson theirbase. Chemistry Technology and Application of Substances, 2020, 3, 180-186.	0.2	1
1356	Sustainable kenaf/bamboo fibers/clay hybrid nanocomposites: properties, environmental aspects and applications. Journal of Cleaner Production, 2022, 330, 129938.	4.6	40
1357	Advances in anti-corrosive coatings of polymer/graphene nanocomposites. , 2022, , 145-172.		0
1358	Role of metal oxide nanofibers in water purification. , 2022, , 173-190.		Ο
1359	Detection and remediation of mercury contaminated environment by nanotechnology: Progress and challenges. Environmental Pollution, 2022, 293, 118557.	3.7	17
1360	Current progress in organic–inorganic hetero-nano-interfaces based electrochemical biosensors for healthcare monitoring. Coordination Chemistry Reviews, 2022, 452, 214282.	9.5	57
1361	Characterization of the selective binding of modified chitosan nanoparticles to Gram-negative bacteria strains. International Journal of Biological Macromolecules, 2022, 194, 666-675.	3.6	10
1362	Hybrid organicâ€inorganic acid catalysts: The effect of active sites localization on catalytic characteristics in the processes of alcohols' etherification. A review. Journal of Applied Polymer Science, 2022, 139, 51926.	1.3	Ο
1363	Additive manufacturing of antibacterial PLA-ZnO nanocomposites: Benefits, limitations and open challenges. Journal of Materials Science and Technology, 2022, 111, 120-151.	5.6	53
1364	Improvement in antibacterial activity of Poly Vinyl Pyrrolidone/Chitosan incorporated by graphene oxide NPs via laser ablation. Journal of Polymer Research, 2021, 28, 1.	1.2	19
1365	Synthesis of water dispersible and biocompatible nanodiamond composite via photocatalytic surface grafting of zwitterionic polymers for intracellular delivery of DOX. Materials Today Communications, 2022, 30, 103010.	0.9	8
1366	Epoxy/Silicone Blend Loaded with N-Doped CNT Composites: Study on the Optoelectronic Properties. International Journal of Photoenergy, 2021, 2021, 1-11.	1.4	6
1367	Preparation of Fluorine- and Nanoparticle-Free Superwetting Cellulose Composites Via Modifying with Main-Chain-Type Furan-Based Polybenzoxazines for Efficient Oil/Water Separations. SSRN Electronic Journal, 0, , .	0.4	0
1368	Unique stiffness-deformability features of dendrimeric silica reinforced HDPE nanocomposites obtained by an innovative route. Microporous and Mesoporous Materials, 2022, 331, 111619.	2.2	3

#		IE	CITATIONS
#	A hybrid bionanocomposite for Pb (II) ion removal from water: synthesis, characterization and	IF	CHATIONS
1369	adsorption kinetics studies. Polymer Bulletin, 2022, 79, 10675-10706.	1.7	4
1370	A protocol to further improve the thermal conductivity of silicone-matrix thermal interface material with nano-fillers. Thermochimica Acta, 2022, 708, 179136.	1.2	7
1371	Thermal properties of surface-modified nano-Al2O3/Kevlar fiber/epoxy composites. Materials Chemistry and Physics, 2022, 278, 125689.	2.0	40
1372	Hyperbranched epoxy resin-grafted graphene oxide for efficient and all-purpose epoxy resin modification. Journal of Colloid and Interface Science, 2022, 611, 105-117.	5.0	36
1373	Modification effect of macroporous comb-like polymeric pour point depressants on the flow behavior of model waxy oils. Fuel, 2022, 314, 123113.	3.4	18
1374	Nanoparticles Filled Polymer Nanocomposites: A Technological Review. Cogent Engineering, 2021, 8, .	1.1	26
1376	Toxicity of inorganic nanoparticles. Comprehensive Analytical Chemistry, 2022, , 25-85.	0.7	3
1377	Biological agents for synthesis of nanoparticles and their applications. Journal of King Saud University - Science, 2022, 34, 101869.	1.6	143
1378	Characteristic properties of base coat of automobile paint: enhancement in scratch and abrasion resistance by nanoscale reinforcement $\hat{a} \in $ "a review. Polymer Bulletin, 0, , 1.	1.7	1
1379	Water Temperature Effect on Hardness and Flexural Strength of (PMMA/TiO2 NPs) for Dental Applications. Baghdad Science Journal, 2022, 19, 0922.	0.4	5
1380	Photodynamic inactivation (PDI) as a promising alternative to current pharmaceuticals for the treatment of resistant microorganisms. Advances in Inorganic Chemistry, 2022, , 65-108.	0.4	21
1381	<i>In situ</i> controlled and conformal coating of polydimethylsiloxane foams with silver nanoparticle networks with tunable piezo-resistive properties. Nanoscale Horizons, 2022, 7, 425-436.	4.1	18
1382	Emerging 2D materials for antimicrobial applications in the pre- and post-pandemic era. Nanoscale, 2022, 14, 239-249.	2.8	34
1383	Applications of Metal and Metal Oxide-Based Nanomaterials in Medical and Biological Activities. Advances in Chemical and Materials Engineering Book Series, 2022, , 312-337.	0.2	0
1384	Fate and transport of engineered nanoparticles in soils and groundwater. , 2022, , 205-251.		2
1385	Polymerâ€Inorganic Crystalline Nanocomposite Materials via Nanoparticle Occlusion. Macromolecular Rapid Communications, 2022, 43, e2100793.	2.0	11
1386	Hydrogen bonding interactions in polymer/polyhedral oligomeric silsesquioxane nanomaterials. Journal of Polymer Research, 2022, 29, .	1.2	29
1387	Superior barrier, hydrophobic and mechanical properties of multifunctional nanocomposite coatings on brass in marine environment. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 278, 115637.	1.7	11

# 1388	ARTICLE Incorporation of Metallic Nanoparticles Into Alkyd Resin: A Review of Their Coating Performance. Minerals, Metals and Materials Series, 2022, , 338-349.	IF 0.3	Citations 24
1389	Recent advances and future prospective of hybrid drug delivery systems. , 2022, , 357-374.		1
1390	Hybrid protein-inorganic nanoparticles for drug delivery in cancer therapy. , 2022, , 187-225.		0
1391	Adsorption of heavy metal ions in water by surface functionalized magnetic composites: a review. Environmental Science: Water Research and Technology, 2022, 8, 907-925.	1.2	14
1392	Quantum dots hybrid systems for drug delivery. , 2022, , 323-338.		1
1393	Nanosorbents for heavy metals removal. , 2022, , 163-186.		0
1394	Synthesis of Spherical Nanoparticle Hybrids via Aerosol Thiol-Ene Photopolymerization and Their Bioconjugation. Nanomaterials, 2022, 12, 577.	1.9	4
1395	Synthesis of polyamide grafted on biosupport as polymeric adsorbents for the removal of dye and metal ions. Biomass Conversion and Biorefinery, 2024, 14, 2439-2452.	2.9	35
1396	Estimation of IZOD impact strength between different concentrations of chitosan-reinforced denture base resins. Indian Journal of Dental Research, 2021, 32, 380.	0.1	0
1397	Green synthesis, characterization, cytotoxicity, and antimicrobial activity of iron oxide nanoparticles using <i>Nigella sativa</i> seed extract. Green Processing and Synthesis, 2022, 11, 254-265.	1.3	22
1398	High performance low dielectric polybenzocyclobutene nanocomposites with organic–inorganic hybrid silicon nanoparticles. Physical Chemistry Chemical Physics, 2022, 24, 6570-6579.	1.3	4
1399	Design and synthesis of metal oxide–polymer composites. , 2022, , 101-128.		1
1400	Development of Biomimetic Hydroxyapatite Containing Dental Restorative Composites. Arabian Journal for Science and Engineering, 0, , 1.	1.7	0
1401	Metal–Organic-Framework-Decorated Carbon Nanofibers with Enhanced Gas Sensitivity When Incorporated into an Organic Semiconductor-Based Gas Sensor. ACS Applied Materials & Interfaces, 2022, 14, 10637-10647.	4.0	18
1402	Synthesis and characterization of polybenzoxazine/silicaâ€based hybrid nanostructures for flame retardancy applications. Polymer Engineering and Science, 2022, 62, 1386-1398.	1.5	7
1403	Tuning Interparticle Contacts and Transport Properties of Maghemite–Thermoset Nanocomposites by Applying Oscillating Magnetic Fields. ACS Applied Materials & Interfaces, 2022, 14, 16601-16610.	4.0	5
1405	Enhanced mechanical properties of epoxy composites embedded with MF/TiO2 hybrid shell microcapsules containing n-octadecane. Journal of Industrial and Engineering Chemistry, 2022, 110, 414-423.	2.9	39
1406	Improved breakdown strength and energy storage performances of PEI-based nanocomposite with core-shell structured PI@BaTiO3 nanofillers. Ceramics International, 2022, 48, 20526-20533.	2.3	17

#	Article	IF	CITATIONS
1407	Fabrication and Phase Behavior of Thermo- and/or pH-Responsive Polymer-Grafted SiO2 Nanoparticles. Applied Sciences (Switzerland), 2022, 12, 3799.	1.3	0
1408	Enhanced damping and thermal conductivity of hBN/silicone rubber composites via strong interfacial action. Materials Research Express, 2022, 9, 046303.	0.8	0
1409	Performance improvement of Ethyleneâ^'Vinyl Acetate Copolymer Pour Point Depressant (EVA PPD) by adding small dosages of Laurylamine (LA). Petroleum Science, 2022, 19, 2472-2482.	2.4	9
1410	Crystallization kinetics and nanoparticle ordering in semicrystalline polymer nanocomposites. Progress in Polymer Science, 2022, 128, 101527.	11.8	21
1411	Preparation of fluorine- and nanoparticle-free superwetting polybenzoxazine/cellulose composites for efficient oil/water separations. Separation and Purification Technology, 2022, 288, 120675.	3.9	10
1412	Conversion from bamboo waste derived biochar to cleaner composites: Synergistic effects of aramid fiber and silica. Journal of Cleaner Production, 2022, 347, 131336.	4.6	12
1413	Review on arsenic removal using biochar-based materials. Groundwater for Sustainable Development, 2022, 17, 100740.	2.3	26
1414	Tannin-reinforced iron substituted hydroxyapatite nanorods functionalized collagen-based composite nanofibrous coating as a cell-instructive bone-implant interface scaffold. Chemical Engineering Journal, 2022, 438, 135611.	6.6	28
1415	Friction and transfer behavior of alumina nanoparticle-reinforced carbon fiber/polyoxymethylene composites in the deep sea environment. Tribology International, 2022, 170, 107516.	3.0	4
1416	Epoxy resin/TiO2 nanocomposites prepared by the Reactive Suspension Method: Dynamic-mechanical properties and their prediction by theoretical models. Materials Today Communications, 2022, 31, 103347.	0.9	3
1417	Structural and Thermal Properties of Polycaprolactone/PEG-Coated Zinc Oxide Nanocomposites. Polymer Science - Series A, 2021, 63, 855-864.	0.4	1
1418	Molecular-sized outward-swinging gate: Experiment and theoretical analysis of a locally nonchaotic barrier. Physical Review E, 2021, 104, 064133.	0.8	2
1419	Formation of Metal–Phytic Acid Surface Coatings via Oxidation-Mediated Coordination Assembly. ACS Applied Polymer Materials, 2022, 4, 546-555.	2.0	18
1420	Nanotechnology for Food Safety and Security: A Comprehensive Review. Food Reviews International, 2023, 39, 3858-3878.	4.3	3
1421	Impact of the Backbone Structure on the Rheological and Thermal Properties of Preceramic Polymer-Grafted Nanoparticles and Derived Ceramics. ACS Applied Nano Materials, 2022, 5, 446-454.	2.4	4
1422	Hyaluronic Acid-Silver Nanocomposites and Their Biomedical Applications: A Review. Materials, 2022, 15, 234.	1.3	17
1423	The Influence of Silica Nanoparticles on the Thermal and Mechanical Properties of Crosslinked Hybrid Composites. Materials, 2021, 14, 7431.	1.3	3
1424	Magnetic Silica-Coated Picolylamine Copper Complex [Fe ₃ O ₄ @SiO ₂ @GP/Picolylamine-Cu(II)]-Catalyzed Biginelli Annulation Reaction. Inorganic Chemistry, 2022, 61, 992-1010.	1.9	51

#	Article	IF	CITATIONS
1426	Preparation of Hybrid Microspheres with Homogeneously Dispersed Nanosilica Using In-situ Sol-Gel Reaction inside a Polystyrene Matrix. Chemistry Letters, 2022, 51, 639-642.	0.7	1
1427	Hybrid Materials Based on Nanoparticles Functionalized with Alkylsilanes Covalently Anchored to Epoxy Matrices. Polymers, 2022, 14, 1579.	2.0	2
1428	Design and Preparation of Copper(II)–Mesalamine Complex Functionalized on Silica-Coated Magnetite Nanoparticles and Study of Its Catalytic Properties for Green and Multicomponent Synthesis of Highly Substituted 4 <i>H</i> -Chromenes and Pyridines. ACS Omega, 2022, 7, 14972-14984.	1.6	7
1429	Beta-FeOOH/polyamide nanocomposites for the remediation of 4-chlorophenol from contaminated waters. Journal of Polymer Research, 2022, 29, 1.	1.2	3
1430	Direct Quantification of Proteins Modified on a Polystyrene Microparticle Surface Based on ζ Potential Change. Analytical Chemistry, 2022, 94, 6304-6310.	3.2	8
1433	Synthesis of highly stable double-coated Zn-doped cesium lead bromide nanocrystals for indium ion detection in water. Materials Advances, 2022, 3, 4684-4692.	2.6	9
1434	1D Colloidal chains: recent progress from formation to emergent properties and applications. Chemical Society Reviews, 2022, 51, 4023-4074.	18.7	15
1435	Hydrophobically Modified Phosphogypsum and its Application in Pp Composites. SSRN Electronic Journal, 0, , .	0.4	0
1436	Constructing the high-areal-capacity, solid-state Li polymer battery via the multiscale ion transport pathway design. Materials Today, 2022, 56, 53-65.	8.3	10
1437	Desenvolvimento e Otimização da Formulação de NanopartÃculas de Polimetil Metacrilato Para Entrega Veterinária de Progesterona e Ivermectina. , 2022, 1, e022002.		0
1438	Pd-containing magnetic periodic mesoporous organosilica nanocomposite as an efficient and highly recoverable catalyst. Scientific Reports, 2022, 12, 7970.	1.6	6
1439	Recent advances in epoxy coatings for corrosion protection of steel: Experimental and modelling approach-A review. Materials Today: Proceedings, 2022, 62, 1658-1663.	0.9	9
1440	Durable superhydrophobic EVA cellular material spin-coated by SiO2/SEBS-g-MAH toward self-cleaning roofs. Progress in Organic Coatings, 2022, 168, 106896.	1.9	6
1441	Room temperature ferromagnetism in Fe3O4 nanoparticle-embedded polymer semiconductors. Journal of Physics and Chemistry of Solids, 2022, 167, 110750.	1.9	4
1442	Removal of Pb2+, Cr3+ and Hg2+ ions from aqueous solutions using SiO2 and amino-functionalized SiO2 particles. Journal of Sol-Gel Science and Technology, 2022, 103, 290-308.	1.1	7
1443	Optical properties of polymer nanocomposites. , 2022, , 91-98.		1
1444	SMN-based catalytic membranes for environmental catalysis. , 2022, , 171-196.		0
1445	Future of SMNs catalysts for industry applications. , 2022, , 319-346.		0

#	Article	IF	CITATIONS
1446	Interface coupling and energy storage of inorganic–organic nanocomposites. Journal of Materials Chemistry A, 2022, 10, 14187-14220.	5.2	10
1447	Enhancing the Performance of Ceramic-Rich Polymer Composite Electrolytes Using Polymer Grafted LLZO. Inorganics, 2022, 10, 81.	1.2	4
1448	Poly(amide-imide)/modified-TiO ₂ nanocomposites containing laterally-attached benzimidazole moieties: preparation, morphological, and thermal characterization. Composite Interfaces, 2023, 30, 187-199.	1.3	4
1449	Application of Dual Silane Coupling Agent-Assisted Surface-Modified Quartz Powder in Epoxy Matrix for Performance Enhancement. Minerals (Basel, Switzerland), 2022, 12, 784.	0.8	1
1450	Growing Bacterial Cellulose-Based Sustainable Functional Bulk Nanocomposites by Biosynthesis: Recent Advances and Perspectives. Accounts of Materials Research, 2022, 3, 608-619.	5.9	7
1451	Adsorption configuration of stearic acid onto calcium sulfate whisker. Colloid and Polymer Science, 0, , .	1.0	0
1452	Nanomaterials-Based Combinatorial Therapy as a Strategy to Combat Antibiotic Resistance. Antibiotics, 2022, 11, 794.	1.5	7
1453	Polyethylene grafted silica nanoparticles via surface-initiated polyhomologation: A novel filler for polyolefin nanocomposite. Polymer, 2022, 254, 125029.	1.8	3
1454	Photocatalysis vs adsorption by metal oxide nanoparticles. Journal of Materials Science and Technology, 2022, 131, 122-166.	5.6	68
1455	Post-synthetic modification of Prussian blue type nanoparticles: tailoring the chemical and physical properties. Inorganic Chemistry Frontiers, 2022, 9, 3943-3971.	3.0	5
1457	A novel high-efficient P/N/Si-containing APP-based flame retardant with a silane coupling agent in its molecular structure for epoxy resin. Chinese Journal of Chemical Engineering, 2023, 55, 137-147.	1.7	11
1458	Preparation and shape change of silver nanoparticles (AgNPs) loaded on the dialdehyde cellulose by in-situ synthesis method. Cellulose, 2022, 29, 6831-6843.	2.4	8
1459	Bio-Inspired Surface Modification of Magnetite Nanoparticles with Dopamine Conjugates. Nanomaterials, 2022, 12, 2230.	1.9	7
1460	Effect of Hydrophilic/Hydrophobic Nanostructured TiO2 on Space Charge and Breakdown Properties of Polypropylene. Polymers, 2022, 14, 2762.	2.0	5
1461	Fabrication of polysulfone mixed matrix membrane for wastewater treatment. Journal of Environmental Health Science & Engineering, 0, , .	1.4	1
1462	Artificial neural network prediction of thermal and mechanical properties for <scp> Bi ₂ O ₃ â€polybenzoxazine </scp> nanocomposites. Journal of Applied Polymer Science, 2022, 139,	1.3	4
1463	Tailoring nanocomposite membranes of cellulose acetate/silica nanoparticles for desalination. Journal of Materiomics, 2022, 8, 1122-1130.	2.8	1
1464	Gas Cluster Ion Beams as a Versatile Soft-Landing Tool for the Controlled Construction of Thin (Bio)Films. ACS Applied Bio Materials, 2022, 5, 3180-3192.	2.3	8

#	Article	IF	Citations
1465	Surface modification of glass fiber membrane via insertion of a bis(diarylcarbene) assisted with polymerization and cross-linking reactions. Surfaces and Interfaces, 2022, 32, 102155.	1.5	2
1466	CeO2-encapsulated metal nanoparticles: Synthesis, properties and catalytic applications. Inorganic Chemistry Communication, 2022, 143, 109739.	1.8	11
1467	Surface modification of hydroxyapatite with enzyme-catalyzed reaction: Computation-supported experimental studies. Materials Chemistry and Physics, 2022, 289, 126448.	2.0	6
1468	Optimum chemical states and localized electronic states of SnO2 integrated PTh– SnO2 nanocomposites as excelling emissive layer (EML). Optical Materials, 2022, 131, 112736.	1.7	10
1469	Near-infrared emissive AIE nanoparticles for biomedical applications: From the perspective of different nanocarriers. Particuology, 2023, 74, 103-118.	2.0	9
1470	Processing of Graphene/Elastomer Nanocomposites: A Minireview. , 0, , .		0
1471	Recent advances in the breakdown of microplastics: strategies and future prospectives. Environmental Science and Pollution Research, 2022, 29, 65887-65903.	2.7	24
1472	Synthesis, structural and optical properties of Fungal biosynthesized Cu2O nanoparticles doped Poly methyl methacrylate -co- Acrylonitrile copolymer nanocomposite films using experimental data and TD-DFT/DMOI3 computations. Journal of Molecular Structure, 2022, 1269, 133776.	1.8	18
1473	Elimination of unexpected destruction on CsPbBrxl3-x nanocrystals arising from polymer matrix. Journal of Luminescence, 2022, 251, 119147.	1.5	2
1474	Metal-organic frameworks as advanced sorbents for oil/water separation. Journal of Molecular Liquids, 2022, 363, 119900.	2.3	11
1475	Hydrophobically modified phosphogypsum and its application in polypropylene composites. Construction and Building Materials, 2022, 347, 128500.	3.2	12
1477	Polymer-Derived Janus Particles at Multiple Length Scales. Macromolecules, 2022, 55, 6297-6310.	2.2	8
1478	Sustainable functionalization and modification of materials via multicomponent reactions in water. Frontiers of Chemical Science and Engineering, 0, , .	2.3	2
1479	Hydrophilic Nanocomposite Films with a Fence-Structure-Induced Labyrinth Effect for Greenhouse Cooling and Light Enhancement. Langmuir, 2022, 38, 10679-10689.	1.6	0
1480	Insights on the advanced separation processes in water pollution analyses and wastewater treatment – A review. South African Journal of Chemical Engineering, 2022, 42, 188-200.	1.2	9
1481	Catalytic Applications of Heteropoly acid-Supported Nanomaterials in Synthetic Transformations and Environmental Remediation. Comments on Inorganic Chemistry, 0, , 1-48.	3.0	3
1482	Mortar–Pestle Grinding Technique as an Efficient and Green Method Accelerates the Tandem Knoevenagel–Michael Cyclocondensation Reaction in the Presence of Ethylenediamine Immobilized on the Magnetite Nanoparticles. Polycyclic Aromatic Compounds, 2023, 43, 5869-5891.	1.4	9
1483	Toward an Understanding of the Role of Fabrication Conditions During Polymeric Membranes Modification: A Review of the Effect of Titanium, Aluminum, and Silica Nanoparticles on Performance. Arabian Journal for Science and Engineeri <u>ng, 2023, 48, 8253-8285</u> .	1.7	0

#	Article	IF	CITATIONS
1484	Transparent Composite Films Showing Durable Antifogging and Repeatable Self-Healing Properties Based on an Integral Blend Method. Langmuir, 2022, 38, 9874-9883.	1.6	5
1485	Electrochemical Evaluation of Vitamin B2 through a Portable Electrochemical Sensor Based on Binary Transition Metal Oxide in Various Biological and Vegetable Samples. Journal of the Electrochemical Society, 0, , .	1.3	5
1486	Monodispersed zinc oxide nanoparticles as multifunctional additives for polycarbonate thermoplastic with high transparency and excellent comprehensive performance. Advanced Composites and Hybrid Materials, 2022, 5, 2936-2947.	9.9	5
1487	Progress in polymer single-chain based hybrid nanoparticles. Progress in Polymer Science, 2022, 133, 101593.	11.8	17
1488	Synthesis of methyltriethoxysilane-modified calcium zinc phosphate nanopigments toward epoxy nanocomposite coatings: Exploring rheological, mechanical, and anti-corrosion properties. Progress in Organic Coatings, 2022, 171, 107055.	1.9	4
1489	Surface modification of silica powder by mild ball milling. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 652, 129828.	2.3	3
1490	A review on advanced nanoparticle-induced polymer flooding for enhanced oil recovery. Chemical Engineering Science, 2022, 262, 117994.	1.9	25
1491	High-performance electrospun particulate matter (PM) filters embedded with self-polarizable tetragonal BaTiO3 nanoparticles. Chemical Engineering Journal, 2022, 450, 138340.	6.6	0
1492	Ionic poly(dimethylsiloxane)–silica nanocomposites: Dispersion and self-healing. MRS Bulletin, 0, , .	1.7	3
1493	Graphene-based anti-corrosive coating on steel for reinforced concrete infrastructure applications: Challenges and potential. Construction and Building Materials, 2022, 351, 128947.	3.2	21
1494	Synthesis and application of polyethyleneimine (PEI)â€based composite/nanocomposite material for heavy metals removal from wastewater: A critical review. Journal of Hazardous Materials Advances, 2022, 8, 100158.	1.2	10
1495	Nanoemulsion applications in photodynamic therapy. Journal of Controlled Release, 2022, 351, 164-173.	4.8	24
1496	Combination of carbon dots for the design of superhydrophobic fluorescent materials with bioinspired micro-nano multiscale hierarchical structure. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 654, 130063.	2.3	4
1497	Chimeric protein-mediated dual mineral formation on biopolymer: Non-segregated and well-distributed deposition of CaCO3 and silica particles. Colloids and Surfaces B: Biointerfaces, 2022, 219, 112808.	2.5	2
1498	Synthesis and characterization of aramid composites reinforced with silanized graphene platelets. RSC Advances, 2022, 12, 26753-26762.	1.7	0
1499	Optical Sources and Waveguides Based on Flexible 1D Nanomaterials. Advances in Material Research and Technology, 2022, , 1-19.	0.3	0
1500	Organic–Inorganic Nanohybrids in Flexible Electronic Devices. Materials Horizons, 2022, , 385-404.	0.3	0
1501	Antiviral behavior of metal oxide-reinforced polymer papocomposites 2022 439-467		0

#	Article	IF	CITATIONS
1502	Metal oxide nanocomposites: design and use in antimicrobial coatings. , 2022, , 549-599.		0
1503	Surface functionalization of nanoparticles: Structure determines function. , 2023, , 203-248.		1
1504	Competition of hydrolysis, self-polymerization and graft coupling for n-dodecyltrimethoxysilane modified Al2O3 under non-catalytic conditions. Applied Surface Science, 2023, 607, 154985.	3.1	7
1505	Tailoring Polymerâ€Based Nanoassemblies for Stimuliâ€Responsive Theranostic Applications. Macromolecular Bioscience, 2022, 22, .	2.1	5
1506	Enhanced Mechanical Properties and Anti–Inflammation of Poly(L–Lactic Acid) by Stereocomplexes of PLLA/PDLA and Surface–Modified Magnesium Hydroxide Nanoparticles. Polymers, 2022, 14, 3790.	2.0	10
1507	Effects of Nanofibers Orientation and Aspect Ratio on Dielectric Properties of Nanocomposites: A Phase-Field Simulation. ACS Applied Materials & Interfaces, 2022, 14, 42513-42521.	4.0	12
1508	Investigation of Fused Filament Fabrication-Based Manufacturing of ABS-Al Composite Structures: Prediction by Machine Learning and Optimization. Journal of Materials Engineering and Performance, 2023, 32, 4555-4574.	1.2	10
1510	Efficacy of Antimicrobial Photodynamic Therapy Mediated by Photosensitizers Conjugated with Inorganic Nanoparticles: Systematic Review and Meta-Analysis. Pharmaceutics, 2022, 14, 2050.	2.0	4
1511	Preparation, characterizations and investigation of properties of new poly(ether-imide) nanocomposite films reinforced with zinc oxide nanoparticles. Journal of Macromolecular Science - Pure and Applied Chemistry, 2022, 59, 731-738.	1.2	3
1512	Influence of Thermal Treatment on Preceramic Polymer Grafted Nanoparticle Network Formation: Implications for Thermal Protection Systems and Aerospace Propulsion Components. ACS Applied Nano Materials, 2022, 5, 15288-15297.	2.4	2
1513	Alginate-modified mesoporous bioactive glass and its drug delivery, bioactivity, and osteogenic properties. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	3
1514	A compendious review on clay modification techniques for wastewater remediation. , 2021, 90, .		0
1515	Environmental Applications of Magnetic Alloy Nanoparticles and Their Polymer Nanocomposites. , 2022, , 975-1006.		0
1516	Manufacturing Techniques of Magnetic Polymer Nanocomposites. , 2022, , 303-318.		0
1517	Influence of the Molecular Weight of Poly (Ethylene Glycol) on the Aqueous Dispersion State of Magnetic Nanoparticles: Experiments and Monte Carlo Simulation. Journal of Cluster Science, 0, , .	1.7	1
1518	Gold Nanoparticle-Incorporated Chitosan Nanogels as a Theranostic Nanoplatform for CT Imaging and Tumour Chemotherapy. International Journal of Nanomedicine, 0, Volume 17, 4757-4772.	3.3	4
1519	Recent Advances in Hybrid Materials of Metal Nanoparticles and Polyoxometalates. Angewandte Chemie, 2023, 135, .	1.6	1
1520	Recent Advances in Hybrid Materials of Metal Nanoparticles and Polyoxometalates. Angewandte Chemie - International Edition, 2023, 62, .	7.2	25

#	Article	IF	CITATIONS
1521	Multi-objective Optimization of PVA/TiO2/MMT Mixed Matrix Membrane for Food Packaging. Journal of Polymers and the Environment, 0, , .	2.4	2
1522	On the Use of Polymer-Based Composites for the Creation of Optical Sensors: A Review. Polymers, 2022, 14, 4448.	2.0	16
1524	Size-transformable gelatin/nanochitosan/doxorubicin nanoparticles with sequentially triggered drug release for anticancer therapy. Colloids and Surfaces B: Biointerfaces, 2022, 220, 112927.	2.5	7
1525	Synthesis and characterization of calix[4]arene diester-grafted-functionalized clay nanocomposites. Chemical Physics Letters, 2022, 809, 140153.	1.2	3
1526	Microbial cell factories for green synthesis metal sulfide nanoparticle: A sustainable approach for biomedical and agroecosystem applications. , 2023, , 257-288.		1
1527	Achieving excellent oxidation resistance and mechanical properties of TiB ₂ –B ₄ C/carbon aerogel composites by quick-gelation and mechanical mixing. Nanotechnology Reviews, 2022, 11, 3031-3041.	2.6	4
1528	Synthesis of TiO2, TiO2/PAni, TiO2/PAni/GO nanocomposites and photodegradation of anionic dyes Rose Bengal and thymol blue in visible light. Environmental Research, 2023, 216, 114741.	3.7	25
1529	Core/shell Nanostructure Fe3O4@SiO2@CPTMS/Schiff Base-Cu(II): A New and Recoverable Nanocatalyst for One-Pot Ecofriendly Synthesis of Knoevenagel Condensation and Polyhydroquinoline Derivatives. Silicon, 2023, 15, 2679-2692.	1.8	7
1530	Impact of γ-irradiation and SBR content in the compatibility of aminated (PVC/LLDPE)/ZnO for improving their AC conductivity and oil removal. Scientific Reports, 2022, 12, .	1.6	5
1531	Preparation and applications of polymer-modified lanthanide-doped upconversion nanoparticles. Giant, 2022, 12, 100130.	2.5	8
1532	Recent advances in dispersion and alignment of fillers in PVDF-based composites for high-performance dielectric energy storage. Materials Today Energy, 2023, 31, 101208.	2.5	10
1533	Hybrid platforms for drug delivery applications. , 2023, , 217-255.		Ο
1534	Water-Retentive/Lipophilic Amphiphilic Surface Properties Attained by Hygroscopic Polysiloxane Ultrathin Films. Journal of Fiber Science and Technology, 2022, 78, 169-177.	0.2	1
1535	High-hydrophobic ZIF-67@PLA honeycomb aerogel for efficient oil–water separation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2023, 658, 130768.	2.3	10
1536	A novel approach for preparation of nanocomposites with an excellent rigidity/deformability balance based on reinforced HDPE with halloysite. European Polymer Journal, 2023, 184, 111765.	2.6	8
1537	State-of-the-Art Nanoclay Reinforcement in Green Polymeric Nanocomposite: From Design to New Opportunities. Minerals (Basel, Switzerland), 2022, 12, 1495.	0.8	10
1538	Potential of Surface Functionalized Nanomaterials in Innovative Drug Development: A Mini-review. Letters in Drug Design and Discovery, 2024, 21, 381-396.	0.4	0
1539	Essential oil-based green nano-insecticides: formulation, biological activity and application in ecofriendly pest control strategies. Acta Horticulturae, 2022, , 169-180.	0.1	1

#	Article	IF	CITATIONS
1540	All-organic modification coating prepared with large-scale atmospheric-pressure plasma for mitigating surface charge accumulation. Plasma Science and Technology, 2023, 25, 084001.	0.7	1
1541	High-Performance Corrosion-Resistant Polymer/Graphene Nanomaterials for Biomedical Relevance. Journal of Composites Science, 2022, 6, 362.	1.4	3
1542	Potential of Polymer/Fullerene Nanocomposites for Anticorrosion Applications in the Biomedical Field. Journal of Composites Science, 2022, 6, 394.	1.4	5
1543	Synthesis and characterization of PVA: CA/SnO2 polymer nanocomposites for flexible electrode applications—Investigation of structural and optical properties. Optical and Quantum Electronics, 2023, 55, .	1.5	2
1544	Role of Tau in Various Tauopathies, Treatment Approaches, and Emerging Role of Nanotechnology in Neurodegenerative Disorders. Molecular Neurobiology, 2023, 60, 1690-1720.	1.9	11
1545	A modular design approach to polymer-coated ZnO nanocrystals. IScience, 2023, 26, 105759.	1.9	2
1546	Rational Design of Mesoporous Silica (SBA-15)/PF (Phenolic Resin) Nanocomposites by Tuning the Pore Sizes of Mesoporous Silica. Materials, 2022, 15, 8879.	1.3	0
1547	Polymer/graphene nanocomposite for corrosion protection application: From design to technical trends. Polymer-Plastics Technology and Materials, 2022, 61, 1521-1543.	0.6	3
1549	Aminosilica-Functionalized Co ₃ O ₄ Nanostructures in Proton Exchange Mixed Matrix Membranes for Enhanced Separation Efficiency of Direct Methanol Fuel Cells. ACS Applied Nano Materials, 2023, 6, 296-304.	2.4	1
1550	Mechanical Reinforcement of Thermoplastic Polyurethane Nanocomposites by Surfaceâ€Modified Nanocellulose. Macromolecular Chemistry and Physics, 2023, 224, .	1.1	4
1551	Comprehensive study upon physicochemical properties of bio-ZnO NCs. Scientific Reports, 2023, 13, .	1.6	3
1552	Current and future prospects of "all-organic―nanoinsecticides for agricultural insect pest management. Frontiers in Nanotechnology, 0, 4, .	2.4	5
1553	A review on application of nanoparticles for EOR purposes: history and current challenges. Journal of Petroleum Exploration and Production, 2023, 13, 959-994.	1.2	18
1555	Avant-Garde Polymer/Graphene Nanocomposites for Corrosion Protection: Design, Features, and Performance. Corrosion and Materials Degradation, 2023, 4, 33-53.	1.0	2
1556	Fe3O4@Si-NH2 Magnetic Reinforcement of Novel Polybutadiene-Based Polyurea. Russian Journal of Applied Chemistry, 2022, 95, 1048-1057.	0.1	0
1557	Advances in nanocomposite material for Fused Filament Fabrication. Polymer-Plastics Technology and Materials, 2022, 61, 1617-1661.	0.6	3
1558	Incorporating Ethylene Oxide Functionalized Inorganic Particles to Solid Polymer Electrolytes for Enhanced Mechanical Stability and Electrochemical Performance. Advanced Energy and Sustainability Research, 2023, 4, .	2.8	0
1559	Anticorrosion applications of nanocomposites for aerospace. , 2023, , 211-243.		0

# 1560	ARTICLE Composite Proton Exchange Membrane for Hydrogen Fuel Cell. , 2023, , 103-165.	IF	Citations 0
1561	In-vivo processing of nanoassemblies: a neglected framework for recycling to bypass nanotoxicological therapeutics. Toxicology Research, 0, , .	0.9	0
1562	Emerging progress in montmorillonite rubber/polymer nanocomposites: a review. Journal of Materials Science, 2023, 58, 2396-2429.	1.7	15
1563	Advanced Polymeric Nanocomposite Membranes for Water and Wastewater Treatment: A Comprehensive Review. Polymers, 2023, 15, 540.	2.0	24
1564	Future and challenging attributes of aeronautical nanocomposites. , 2023, , 317-342.		1
1565	Modification of nanomaterials for nanostructured cement-based materials. , 2023, , 5-37.		0
1566	Thermal and Mechanical Properties (I): Optimum Predictive Thermal Conduction Model Development for Epoxy-Filled Copper Oxide Nanoparticles Composite Coatings on Spent Nuclear Fuel Steel Casks. , 2023, , 135-168.		0
1567	Toxicological effects of pure and amine-functionalized ZnO nanorods on <i>Daphnia magna</i> and <i>Lactuca sativa</i> . Environmental Science: Nano, 2023, 10, 1190-1207.	2.2	1
1568	Synthesis and Application of Fluorescent Polymer Micro―and Nanoparticles. Small, 2023, 19, .	5.2	9
1569	Inorganic salt-conditioning preparation of a copper (II) ions-doped thin film composite membrane with ridge-valley morphology for efficient organic solvent nanofiltration. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2023, 663, 131114.	2.3	1
1570	Dielectric properties OF 40SiO2–40P2O5–20ZrO2 /sulfonated styrene-ethylene-butylene-styrene hybrid membranes for proton exchange membrane fuel cells. Polymer, 2023, 271, 125814.	1.8	0
1571	Novel Hydrophobic Ultrafiltration Membranes for Treatment of Oil-Contaminated Wastewater. Membranes, 2023, 13, 402.	1.4	0
1572	Surface engineered mesoporous silica carriers for the controlled delivery of anticancer drug 5-fluorouracil: Computational approach for the drug-carrier interactions using density functional theory. Frontiers in Pharmacology, 0, 14, .	1.6	4
1573	A cellulose reinforced polymer composite electrolyte for the wide-temperature-range solid lithium batteries. Chemical Engineering Journal, 2023, 464, 142537.	6.6	9
1574	Tunning Silver@Gold core@shell incorporated in poly (vinyl alcohol) via laser ablation: Antibacterial activity and cell viability behavior for wound healing. Journal of Saudi Chemical Society, 2023, 27, 101637.	2.4	2
1575	Enhanced flowability and film properties of ultrafine powder coatings modulated by modified flow additive. Progress in Organic Coatings, 2023, 179, 107483.	1.9	1
1576	Multifunctional waterproof breathable coating on polyester-based woven protective clothing for healthcare application. Progress in Organic Coatings, 2023, 178, 107482.	1.9	1
1577	Improved field emission stability with a high current density of decorated CNTs for electron emission devices. Journal of Materials Science: Materials in Electronics, 2023, 34, .	1.1	3

#	Article	IF	CITATIONS
1578	The starting stoichiometry, keys parameter to enhance the intrinsic microstructural and functional properties of synthesized hybrid nanocomposites chitosan/Na-montmorillonite/ZnO nanoparticlest type. Applied Surface Science Advances, 2023, 13, 100369.	2.9	2
1579	Nanotechnology-enabled immunogenic cell death for improved cancer immunotherapy. International Journal of Pharmaceutics, 2023, 634, 122655.	2.6	8
1580	Fluorescence quantification of inorganic particle dispersity for anti-aging evaluation of polymer composites. Chemical Communications, 2023, 59, 2652-2655.	2.2	1
1581	Approaches to the Functionalization of Organosilicon Dendrones Based on Limonene. Applied Sciences (Switzerland), 2023, 13, 2121.	1.3	1
1582	Photodynamic therapy: Innovative approaches for antibacterial and anticancer treatments. Medicinal Research Reviews, 2023, 43, 717-774.	5.0	32
1583	Metal oxide/polymer nanocomposites: A review on recent advances in fabrication and applications. Polymer-Plastics Technology and Materials, 2023, 62, 655-700.	0.6	4
1584	Stability Study of Graphene Oxide-Bovine Serum Albumin Dispersions. Journal of Xenobiotics, 2023, 13, 90-101.	2.9	0
1585	Achieving toughening of PEEK via preparation of thermally stable and crystalline PEKEKK nanospheres by microemulsion method. Polymer, 2023, 270, 125809.	1.8	0
1586	Nanocomposites for the removal of pharmaceuticals in drinking water sources. , 2023, , 469-494.		0
1587	Antimicrobial and drug delivery aspect of environment-friendly polymer nanocomposites. , 2023, , 383-447.		1
1588	Preceramic Polymers Grafted to SiO ₂ Nanoparticles via Metal Coordination Pyrolyzing with High Ceramic Yields: Implications for Aerospace Propulsion and Biomedical Coatings. ACS Applied Nano Materials, 2023, 6, 3661-3674.	2.4	5
1589	Reinforcing Effect of Organosilane-Grafted CaCO3 Nanoparticles on Mechanical Performance of E-Glass Chopped Strand Mat/Epoxy Composites. Silicon, 0, , .	1.8	0
1590	Epoxy Resins for Flooring Applications, an Optimal Host for Recycling Deactivated Cement Asbestos. Polymers, 2023, 15, 1410.	2.0	2
1591	Advances in transparent polymer nanocomposites and their applications: A comprehensive review. Polymer-Plastics Technology and Materials, 2022, 61, 937-974.	0.6	4
1592	Potential progress in SnO2 nanostructures for enhancing photocatalytic degradation of organic pollutants. Catalysis Communications, 2023, 177, 106642.	1.6	20
1593	Application of nanochitosan for enhanced milk production. , 2023, , 203-212.		0
1594	Functional nanoparticles as novel emerging antiviral therapeutic agents. , 2023, , 171-193.		0
1595	Biodegradable Materials for Tissue Engineering: Development, Classification and Current Applications. Journal of Functional Biomaterials, 2023, 14, 159.	1.8	7

#	Article	IF	Citations
1596	CuInS2 Nanocrystals Embedded PMMA Composite Films: Adjustment of Polymer Molecule Weights and Application in Remote-Type White LEDs. Nanomaterials, 2023, 13, 1085.	1.9	2
1597	Novel MXene-Modified Polyphenyl Sulfone Membranes for Functional Nanofiltration of Heavy Metals-Containing Wastewater. Membranes, 2023, 13, 357.	1.4	2
1598	A review on magnetic polymeric nanocomposite materials: Emerging applications in biomedical field. Inorganic and Nano-Metal Chemistry, 0, , 1-25.	0.9	2
1600	Nanoparticles as Drug Delivery Systems: A Review of the Implication of Nanoparticles' Physicochemical Properties on Responses in Biological Systems. Polymers, 2023, 15, 1596.	2.0	58
1601	Electromagnetic Interference Shielding Effectiveness of Direct-Grown-Carbon Nanotubes/Carbon and Glass Fiber-Reinforced Epoxy Matrix Composites. Materials, 2023, 16, 2604.	1.3	3
1602	Silane functionalization of WS ₂ nanotubes for interaction with poly(lactic acid). Nanoscale, 0, , .	2.8	0
1603	Effect of <scp>CNTs</scp> / <scp>nanoâ€TiO₂</scp> hybrid system on the dropâ€weight impact response of Kevlar fiber/epoxy composites. Polymer Composites, 2023, 44, 3425-3434.	2.3	4
1604	Inorganic–inorganic mixed nanocomposites as anticorrosive coatings. , 2023, , 329-347.		0
1605	Poly(lactic acid)/Plasticizer/Nano-Silica Ternary Systems: Properties Evolution and Effects on Degradation Rate. Nanomaterials, 2023, 13, 1284.	1.9	0
1606	Potential Applications of Core-Shell Nanoparticles in Construction Industry Revisited. Applied Nano, 2023, 4, 75-114.	0.9	2
1607	Boosting Thermal and Mechanical Properties: Achieving Highâ€Safety Separator Chemically Bonded with Nano TiN Particles for High Performance Lithiumâ€Ion Batteries. Small, 2023, 19, .	5.2	7
1608	Gold Nanoparticles as Exquisite Colorimetric Transducers for Water Pollutant Detection. ACS Applied Materials & Interfaces, 2023, 15, 19785-19806.	4.0	12
1609	Shock Wave-Assisted Exfoliation of 2D-Material-Based Polymer Nanocomposites: A Breakthrough in Nanotechnology. Industrial & Engineering Chemistry Research, 2023, 62, 6584-6598.	1.8	6
1610	Recent trends on functionalized nanohybrids enhanced biosensors performances and their applications. , 2023, , 221-251.		3
1612	Toxic risks of nanomaterials used in analytical chemistry. , 2023, , 335-364.		0
1613	Role of nanoparticles and their applications in enhanced oil recovery. AIP Conference Proceedings, 2023, , .	0.3	0
1620	Modification Strategies of Titanium Dioxide. , 0, , .		0
1627	Nano-Level Modeling. Advances in Digital Crime, Forensics, and Cyber Terrorism, 2023, , 52-80.	0.4	0

#	Article	IF	CITATIONS
1636	Impact of metal oxide nanoparticles against salinity stress in plants. , 2023, , 141-163.		0
1652	Charge-based separation for coagulant recovery from water treatment residuals. , 2023, , 167-186.		Ο
1653	Surface-functionalized nanofillers-based fluoropolymer nanocomposites: synthesis, properties, and applications. , 2023, , 283-316.		0
1674	Recent advances in synthesis of water-stable metal halide perovskites and photocatalytic applications. Journal of Materials Chemistry A, 2023, 11, 22656-22687.	5.2	4
1675	Inorganic and organic hybrid composite nanomaterials. , 2023, , 89-110.		0
1687	Opportunities for ionic liquid-based electrolytes in rechargeable lithium batteries. Science China Chemistry, 2023, 66, 3443-3466.	4.2	0
1692	Nanoparticles and Nanocomposites for Heavy Metals Removal. Advances in Sustainability Science and Technology, 2023, , 139-161.	0.4	0
1696	Fungal Nanobionics: Principles and Applications in Environment. , 2023, , 777-797.		0
1702	Approaches for Sensor Surfaces Modification. , 2024, , 1-30.		0
1707	Selenium Nanomaterials: Contribution Toward Crop Development. Nanotechnology in the Life Sciences, 2024, , 317-342.	0.4	0
1714	Carbon Based Polymer Composites in Water Treatment and Filtration. , 2023, , 141-149.		0
1719	Review of Electrochemical Sensors and Biosensors Based on First-Row Transition Metals, Their Oxides, and Noble Metals Nanoparticles. Journal of Analysis and Testing, 0, , .	2.5	1
1723	Electrocatalysts in biosensors. Chemical Papers, 2024, 78, 2101-2122.	1.0	0
1731	Marine Microbial Cell Mediated Nanomaterials Synthesis: Prospectus, Current Development and Challenges. , 2023, , 117-139.		0
1735	Flame-retardant polymer nanocomposite films and coatings. , 2024, , 259-291.		0
1736	Application of nanoceramics in energy industries: present developments and future scopes. , 2024, , 279-292.		0
1737	Sustainable advances in the synthesis of waste-derived value-added metal nanoparticles and their applications. , 2024, , 17-33.		0
1738	Exploring the advancements in surface-modified bioactive glass: enhancing antibacterial activity, promoting angiogenesis, and modulating bioactivity. Journal of Nanoparticle Research, 2024, 26, .	0.8	0

#	Article	IF	CITATIONS
1749	Decontamination of Oily and Micro-pollutant Loaded Wastewater Using Metal Organic Framework. , 2024, , .		0
1757	Biodegradability, life cycle analysis, and biocompatibility of organic radicals. , 2024, , 1-19.		0