

Shadpour Mallakpour

List of Publications by Year in descending order

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Version: 2024-02-01

621
papers

13,450
citations

47409

49
h-index

84171

75
g-index

642
all docs

642
docs citations

642
times ranked

10459
citing authors

#	ARTICLE	IF	CITATIONS
1	Worldwide fight against COVID-19 using nanotechnology, polymer science, and 3D printing technology. <i>Polymer Bulletin</i> , 2023, 80, 165-183.	1.7	12
2	Potential of tragacanth gum in the industries: a short journey from past to the future. <i>Polymer Bulletin</i> , 2023, 80, 4643-4662.	1.7	5
3	Novel methodologies and materials for facile fabrication of nanofiltration membranes. <i>Emergent Materials</i> , 2022, 5, 1263-1288.	3.2	5
4	Alginate/TiO ₂ @LDH microspheres: A promising bioactive scaffold with cytocompatibility and antibacterial activity. <i>Ceramics International</i> , 2022, 48, 2045-2057.	2.3	4
5	Nanofiltration membranes for food and pharmaceutical industries. <i>Emergent Materials</i> , 2022, 5, 1329-1343.	3.2	11
6	Application of MOF materials as drug delivery systems for cancer therapy and dermal treatment. <i>Coordination Chemistry Reviews</i> , 2022, 451, 214262.	9.5	253
7	A new trend of using poly(vinyl alcohol) in 3D and 4D printing technologies: Process and applications. <i>Advances in Colloid and Interface Science</i> , 2022, 301, 102605.	7.0	23
8	Antibacterial nanocomposite films based on Poly(vinyl alcohol)/TiO ₂ -Folic acid: Study of physicochemical, optical, and thermal characteristics. <i>Materials Chemistry and Physics</i> , 2022, 281, 125809.	2.0	5
9	Development of sodium alginate-pectin/TiO ₂ nanocomposites: Antibacterial and bioactivity investigations. <i>Carbohydrate Polymers</i> , 2022, 285, 119226.	5.1	20
10	Removal of the Anionic Dye Congo Red from an Aqueous Solution Using a Crosslinked Poly(vinyl) Linear Forms of Isotherms and Kinetics. <i>Langmuir</i> , 2022, 38, 4065-4076.	1.6	8
11	Optimization of chitosan/tannic acid@ ZnFe layered double hydroxide bionanocomposite film for removal of reactive blue 4 using a response surface methodology. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 747-762.	3.6	11
12	Fabrication of air filters with advanced filtration performance for removal of viral aerosols and control the spread of COVID-19. <i>Advances in Colloid and Interface Science</i> , 2022, 303, 102653.	7.0	28
13	Single-Atoms on Covalent or Metal-Organic Frameworks: Current Findings and Perspectives for Pollutants Abatement, Hydrogen Evolution, and Reduction of CO ₂ . <i>Topics in Current Chemistry</i> , 2022, 380, 7.	3.0	5
14	Environmental applications of MnO ₂ nanocrystals and their derivatives: from lab to real-time utilization. , 2022, , 135-150.		0
15	Recent progress in the wastewater sanitization from pollutants using sponges. , 2022, , 425-461.		0
16	Physicochemical inspection and in vitro bioactivity behavior of bio-nanocomposite alginate hydrogels filled by magnesium fluoro-hydroxyapatite. <i>Polymer Bulletin</i> , 2021, 78, 359-375.	1.7	6
17	Green and plant-based adsorbent from tragacanth gum and carboxyl-functionalized carbon nanotube hydrogel bionanocomposite for the super removal of methylene blue dye. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 722-729.	3.6	41
18	Recent progress in hybrid nanocomposites containing chitosan/metal oxide as innovative adsorbents for water remediation. , 2021, , 437-454.		0

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19	Application of gum polysaccharide nanocomposites in the removal of industrial organic and inorganic pollutants. , 2021, , 503-528.		6
20	Fight against COVID-19 pandemic with the help of carbon-based nanomaterials. New Journal of Chemistry, 2021, 45, 8832-8846.	1.4	22
21	Waste-mediated synthesis of polymer nanocomposites and assessment of their industrial potential exploitations. , 2021, , 147-167.		2
22	Utilization of starch and starch/carbonaceous nanocomposites for removal of pollutants from wastewater. , 2021, , 477-502.		1
23	Bionanocomposites Derived from Polysaccharides: Green Fabrication and Applications. Advances in Science, Technology and Innovation, 2021, , 193-214.	0.2	0
24	Metal-organic frameworks/biopolymer nanocomposites: from fundamentals toward recent applications in modern technology. New Journal of Chemistry, 2021, 45, 8409-8426.	1.4	14
25	Current achievements in 3D bioprinting technology of chitosan and its hybrids. New Journal of Chemistry, 2021, 45, 10565-10576.	1.4	12
26	MOF/COF-based materials using 3D printing technology: applications in water treatment, gas removal, biomedical, and electronic industries. New Journal of Chemistry, 2021, 45, 13247-13257.	1.4	29
27	Natural polymer-based organic-inorganic hybrid nanosorbents. , 2021, , 159-193.		1
28	Metal Oxides and Biopolymer/Metal Oxides Bionanocomposites as Green Nanomaterials for Heavy Metal Ions Removal. Environmental Chemistry for A Sustainable World, 2021, , 55-95.	0.3	0
29	Polymer nanocomposites based on alginate and their blends for remediation of pollutants from wastewater. , 2021, , 307-332.		0
30	Current development in poly(vinyl alcohol) nanocomposites for heavy metal ions removal. , 2021, , 455-476.		0
31	A journey to the world of fascinating ZnO nanocomposites made of chitosan, starch, cellulose, and other biopolymers: Progress in recent achievements in eco-friendly food packaging, biomedical, and water remediation technologies. International Journal of Biological Macromolecules, 2021, 170, 701-716.	3.6	33
32	Hydroxyapatite mineralization of chitosan-tragacanth blend/ZnO/Ag nanocomposite films with enhanced antibacterial activity. International Journal of Biological Macromolecules, 2021, 175, 330-340.	3.6	24
33	Adsorption of Methyl Orange from Aqueous Solution Using PVOH Composite Films Cross-Linked by Glutaraldehyde and Reinforced with Modified γ -MnO ₂ . Langmuir, 2021, 37, 5151-5160.	1.6	7
34	Polycaprolactone/ZnO-folic acid nanocomposite films: Fabrication, characterization, in-vitro bioactivity, and antibacterial assessment. Materials Chemistry and Physics, 2021, 263, 124378.	2.0	10
35	Adsorptive performance of alginate/carbon nanotube-carbon dot-magnesium fluorohydroxyapatite hydrogel for methylene blue-contaminated water. Journal of Environmental Chemical Engineering, 2021, 9, 105170.	3.3	31
36	Sustainable plant and microbes-mediated preparation of Fe ₃ O ₄ nanoparticles and industrial application of its chitosan, starch, cellulose, and dextrin-based nanocomposites as catalysts. International Journal of Biological Macromolecules, 2021, 179, 429-447.	3.6	22

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37	Recent advancements in 3D bioprinting technology of carboxymethyl cellulose-based hydrogels: Utilization in tissue engineering. <i>Advances in Colloid and Interface Science</i> , 2021, 292, 102415.	7.0	52
38	Current advances on polymer-layered double hydroxides/metal oxides nanocomposites and bionanocomposites: Fabrications and applications in the textile industry and nanofibers. <i>Applied Clay Science</i> , 2021, 206, 106054.	2.6	31
39	Methylene blue contaminated water sanitization with alginate/compact discs waste-derived activated carbon composite beads: Adsorption studies. <i>International Journal of Biological Macromolecules</i> , 2021, 180, 28-35.	3.6	15
40	State-of-the-art of 3D printing technology of alginate-based hydrogels—An emerging technique for industrial applications. <i>Advances in Colloid and Interface Science</i> , 2021, 293, 102436.	7.0	79
41	Protection, disinfection, and immunization for healthcare during the COVID-19 pandemic: Role of natural and synthetic macromolecules. <i>Science of the Total Environment</i> , 2021, 776, 145989.	3.9	27
42	Chitosan, alginate, hyaluronic acid, gums, and β -glucan as potent adjuvants and vaccine delivery systems for viral threats including SARS-CoV-2: A review. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 1931-1940.	3.6	41
43	Tragacanth gum mediated green fabrication of mesoporous titania nanomaterials: Application in photocatalytic degradation of crystal violet. <i>Journal of Environmental Management</i> , 2021, 291, 112680.	3.8	13
44	Polyurethane sponge modified by alginate and activated carbon with abilities of oil absorption, and selective cationic and anionic dyes clean-up. <i>Journal of Cleaner Production</i> , 2021, 312, 127513.	4.6	27
45	Renewable biomimetic hydrogels based on tragacanth gum for the adsorption of Pb(II) ions $\text{altimg}="si55.svg">< \text{mml:msup}>< \text{mml:mrow}> />< \text{mml:mrow}>< \text{mml:mn}>2</\text{mml:mn}>< \text{mml:mo}>+</\text{mml:mo}>< \text{mml:mrow}></\text{mml:mrow}>< \text{mml:msup}></\text{mml:msup}>< \text{mml:math}>$ Study of isotherm, kinetic models, and phenomenology. <i>Environmental Technology and Innovation</i> , 2021, 23, 101723.	3.0	7
46	3D and 4D printing: From innovation to evolution. <i>Advances in Colloid and Interface Science</i> , 2021, 294, 102482.	7.0	48
47	Effective adsorption of methylene blue dye from water solution using renewable natural hydrogel bionanocomposite based on tragacanth gum: Linear-nonlinear calculations. <i>International Journal of Biological Macromolecules</i> , 2021, 187, 319-324.	3.6	14
48	Sawdust, a versatile, inexpensive, readily available bio-waste: From mother earth to valuable materials for sustainable remediation technologies. <i>Advances in Colloid and Interface Science</i> , 2021, 295, 102492.	7.0	31
49	MXenes-based materials: Structure, synthesis, and various applications. <i>Ceramics International</i> , 2021, 47, 26585-26597.	2.3	22
50	Recent breakthroughs of antibacterial and antiviral protective polymeric materials during COVID-19 pandemic and after pandemic: Coating, packaging, and textile applications. <i>Current Opinion in Colloid and Interface Science</i> , 2021, 55, 101480.	3.4	54
51	The latest strategies in the fight against the COVID-19 pandemic: the role of metal and metal oxide nanoparticles. <i>New Journal of Chemistry</i> , 2021, 45, 6167-6179.	1.4	38
52	Emerging new-generation hybrids based on covalent organic frameworks for industrial applications. <i>New Journal of Chemistry</i> , 2021, 45, 7014-7046.	1.4	16
53	Green synthesis of nano-Al ₂ O ₃ , recent functionalization, and fabrication of synthetic or natural polymer nanocomposites: various technological applications. <i>New Journal of Chemistry</i> , 2021, 45, 4885-4920.	1.4	10
54	Polymer/layered double hydroxide nanocomposites: Modern industrial applications. , 2021, , 325-355.		0

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55	Microwave-assisted synthesis of chiral polymeric materials: Properties and applications. , 2021, , 679-694.		0
56	Chitosan/carbon nanotube hybrids: recent progress and achievements for industrial applications. New Journal of Chemistry, 2021, 45, 3756-3777.	1.4	19
57	Recent advancements in synthesis and drug delivery utilization of polysaccharides-based nanocomposites: The important role of nanoparticles and layered double hydroxides. International Journal of Biological Macromolecules, 2021, 193, 183-204.	3.6	20
58	Applications of Selectfluor for the Oxidation of Sulfides, Urazoles and Alcohols Under the Solvent-free Conditions. Current Organocatalysis, 2021, 8, 211-216.	0.3	5
59	An eco-friendly method for the preparation of poly(N-vinyl-2-pyrrolidone)â€“poly(vinyl alcohol) blend nanocomposite films containing vitamin B1-modified silica nanoparticles to enhance thermal and wettability properties. Polymer Bulletin, 2020, 77, 1489-1502.	1.7	4
60	Fabrication technologies of layered double hydroxide polymer nanocomposites. , 2020, , 103-155.		7
61	Microscopic characterization techniques for layered double hydroxide polymer nanocomposites. , 2020, , 157-203.		0
62	Spectroscopic characterization techniques for layered double hydroxide polymer nanocomposites. , 2020, , 231-280.		7
63	Polymer layered double hydroxide hybrid nanocomposites. , 2020, , 531-564.		1
64	Electrical and electronic applications of layered double-hydroxide polymer nanocomposites. , 2020, , 565-597.		2
65	Applications of layered double hydroxide biopolymer nanocomposites. , 2020, , 599-676.		2
66	Layered double hydroxide polymer nanocomposites for water purification. , 2020, , 781-803.		6
67	Layered double hydroxide polymer nanocomposites for catalysis. , 2020, , 805-834.		3
68	Preparation, characterization, and in vitro bioactivity study of glutaraldehyde crosslinked chitosan/poly(vinyl alcohol)/ascorbic acid-MWCNTs bionanocomposites. International Journal of Biological Macromolecules, 2020, 144, 389-402.	3.6	42
69	Recent innovations in functionalized layered double hydroxides: Fabrication, characterization, and industrial applications. Advances in Colloid and Interface Science, 2020, 283, 102216.	7.0	89
70	Production of the ZnO-folic acid nanoparticles and poly(vinyl alcohol) nanocomposites: investigation of morphology, wettability, thermal, and antibacterial properties. Journal of Polymer Research, 2020, 27, 1.	1.2	13
71	Modification of polyurethane sponge with waste compact disc-derived activated carbon and its application in organic solvents/oil sorption. New Journal of Chemistry, 2020, 44, 15609-15616.	1.4	10
72	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

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73	A green strategy toward the preparation of poly(vinyl chloride) nanocomposites reinforced with MnO ₂ @layered double hydroxide nanohybrids as efficient UV shielding materials. <i>New Journal of Chemistry</i> , 2020, 44, 11566-11576.	1.4	6
74	Green fabrication of chitosan/tragacanth gum bionanocomposite films having TiO ₂ @Ag hybrid for bioactivity and antibacterial applications. <i>International Journal of Biological Macromolecules</i> , 2020, 162, 512-522.	3.6	28
75	Design and identification of poly(vinyl chloride)/layered double hydroxide@MnO ₂ nanocomposite films and evaluation of the methyl orange uptake: linear and non-linear isotherm and kinetic adsorption models. <i>New Journal of Chemistry</i> , 2020, 44, 6510-6523.	1.4	16
76	Application of trityl moieties in chemical processes: part I. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 2737-2843.	1.2	3
77	Sonochemical approach for the synthesis of organo-modified layered double hydroxides and their applications. , 2020, , 257-286.		0
78	Sonochemical protocol for the organo-synthesis of TiO ₂ and its hybrids: Properties and applications. , 2020, , 287-323.		4
79	Hydroxyapatite mineralization on chitosan-tragacanth gum/silica@silver nanocomposites and their antibacterial activity evaluation. <i>International Journal of Biological Macromolecules</i> , 2020, 151, 909-923.	3.6	32
80	Highly capable and cost-effective chitosan nanocomposite films containing folic acid-functionalized layered double hydroxide and their in vitro bioactivity performance. <i>Materials Chemistry and Physics</i> , 2020, 250, 123044.	2.0	21
81	Green organo-modification of cyclodextrin metal oxide hybrids: Characterization, properties, and applications. , 2020, , 379-406.		0
82	Environmentally sustainable organo-modification of selected metal oxides and their hybrids: Characterization, properties, and utilizations. , 2020, , 351-377.		0
83	Synthesis of alginate/carbon nanotube/carbon dot/fluoroapatite/TiO ₂ beads for dye photocatalytic degradation under ultraviolet light. <i>Carbohydrate Polymers</i> , 2019, 224, 115138.	5.1	49
84	Structure and properties of nylon-6/amino acid modified nanoclay composite fibers. <i>Journal of the Textile Institute</i> , 2019, 110, 1336-1342.	1.0	6
85	Linear and nonlinear behavior of crosslinked chitosan/N-doped graphene quantum dot nanocomposite films in cadmium cation uptake. <i>Science of the Total Environment</i> , 2019, 690, 1245-1253.	3.9	50
86	Carbon Nanotubes for Dyes Removal. , 2019, , 211-243.		41
87	Tragacanth gum based hydrogel nanocomposites for the adsorption of methylene blue: Comparison of linear and non-linear forms of different adsorption isotherm and kinetics models. <i>International Journal of Biological Macromolecules</i> , 2019, 133, 754-766.	3.6	78
88	Carbon Nanotubes for Heavy Metals Removal. , 2019, , 181-210.		36
89	Using sonochemistry for the production of poly(vinyl alcohol)/MWCNT@vitamin B ₁ nanocomposites: exploration of morphology, thermal and mechanical properties. <i>New Journal of Chemistry</i> , 2019, 43, 7502-7510.	1.4	14
90	Cross-linked poly(vinyl alcohol)/modified γ -manganese dioxide composite as an innovative adsorbent for lead(II) ions. <i>Journal of Cleaner Production</i> , 2019, 224, 592-602.	4.6	15

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91	An effective, low-cost and recyclable bio-adsorbent having amino acid intercalated LDH@Fe ₃ O ₄ /PVA magnetic nanocomposites for removal of methyl orange from aqueous solution. Applied Clay Science, 2019, 174, 127-137.	2.6	59
92	Poly(vinyl alcohol)/Vitamin C-multi walled carbon nanotubes composites and their applications for removal of methylene blue: Advanced comparison between linear and nonlinear forms of adsorption isotherms and kinetics models. Polymer, 2019, 160, 115-125.	1.8	54
93	Fabrication and characterization of pH-sensitive bio-nanocomposite beads having folic acid intercalated LDH and chitosan: Drug release and mechanism evaluation. International Journal of Biological Macromolecules, 2019, 122, 157-167.	3.6	35
94	Employment of ultrasonic waves for the preparation of PVA/TiO ₂ @BSA nanocomposites: Mechanical, thermal, and optical properties. Journal of Applied Polymer Science, 2018, 135, 46558.	1.3	3
95	Synthesis of mesoporous recycled poly(ethylene terephthalate)/MWNT/carbon quantum dot nanocomposite from sustainable materials using ultrasonic waves: Application for methylene blue removal. Journal of Cleaner Production, 2018, 190, 525-537.	4.6	67
96	Capturing Cd ²⁺ ions from wastewater using PVA/±-MnO ₂ @oleic acid nanocomposites. New Journal of Chemistry, 2018, 42, 4297-4307.	1.4	11
97	Application of Vitamin B1-Coated Carbon Nanotubes for the Production of Starch Nanocomposites with Enhanced Structural, Optical, Thermal and Cd(II) Adsorption Properties. Journal of Polymers and the Environment, 2018, 26, 2954-2963.	2.4	7
98	Preparation of polystyrene/MWCNT@Valine composites: Investigation of optical, morphological, thermal, and electrical conductivity properties. Polymers for Advanced Technologies, 2018, 29, 1182-1190.	1.6	11
99	Biocompatible and biodegradable Chitosan nanocomposites loaded with carbon nanotubes. , 2018, , 187-221.		28
100	Sonochemical synthesis of PVA/PVP blend nanocomposite containing modified CuO nanoparticles with vitamin B1 and their antibacterial activity against Staphylococcus aureus and Escherichia coli. Ultrasonics Sonochemistry, 2018, 43, 91-100.	3.8	36
101	Citric Acid and Vitamin C as Coupling Agents for the Surface Coating of ZrO ₂ 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
102	An ultrasonic assisted process for the synthesis of poly(vinyl alcohol)-poly(N -vinyl-2-pyrrolidone) nanocomposites filled with modified nano-Zirconia. Progress in Organic Coatings, 2018, 121, 120-129.	1.9	5
103	Polymer/SiO ₂ nanocomposites: Production and applications. Progress in Materials Science, 2018, 97, 409-447.	16.0	144
104	Chitosan/CaCO ₃ -silane nanocomposites: Synthesis, characterization, in vitro bioactivity and Cu(II) adsorption properties. International Journal of Biological Macromolecules, 2018, 114, 149-160.	3.6	28
105	The Effects of Poly(amide@imide)/SiO ₂ Nanocomposite Containing Trimellitylimido@l@Methionine Diacid as a Filler on the Thermal and Morphological Properties of Poly(vinyl pyrrolidone) Composites. Advances in Polymer Technology, 2018, 37, 113-119.	0.8	5
106	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
107	Evaluation of Nanostructure, optical absorption, and thermal behavior of poly(vinyl alcohol)/poly(vinyl@pyrrolidone) based nanocomposite films containing coated SiO ₂ nanoparticles with citric acid and (+)@ascorbic acid. Polymer Composites, 2018, 39, 2012-2018.	2.3	5
108	Production and characterization of novel nanocomposites based on poly(amide@imide) containing Trimellitylimido@l@alanine diacid and 4,4'-diaminodiphenylmethan segments reinforced with grafted nano@ZnO by citric acid as a biological ligand. Polymer Composites, 2018, 39, 2394-2402.	2.3	2

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109	Preparation and Characterization of Polyvinylpyrrolidone/L-leucine Amino Acid-Modified Montmorillonite/Chiral Diacid-Functionalized Mg-Substituted Fluorapatite Nanocomposites by Ultrasonic-Assisted Rapid Process. <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 28-37.	1.9	3
110	Evaluation of ZnO-Vitamin B ₁ Nanoparticles on Bioactivity and Physicochemical Properties of the Polycaprolactone-Based Nanocomposites. <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 46-58.	1.9	14
111	Production of bionanocomposites based on poly(vinyl pyrrolidone) using modified TiO ₂ nanoparticles with citric acid and ascorbic acid and study of their physicochemical properties. <i>Polymer Bulletin</i> , 2018, 75, 1441-1456.	1.7	10
112	Green Synthesis of Amino Acid Functionalized Multi-walled Carbon Nanotubes/Poly(amide-imide) Based on N-Trimellitylimido-S-valine Nanocomposites by Sonochemical Technique. <i>Journal of Polymers and the Environment</i> , 2018, 26, 1635-1641.	2.4	2
113	Ultrasonic-assisted fabrication of starch/MWCNT-glucose nanocomposites for drug delivery. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 402-409.	3.8	71
114	Ultrasonication synthesis of PVA/PVP/Al ₂ O ₃ -MnO ₂ -stearic acid blend nanocomposites for adsorbing Cd ^{II} ion. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 410-418.	3.8	34
115	Novel poly(vinyl chloride) nanocomposite films containing Al ₂ O ₃ nanoparticles capped with vitamin B1: preparation, morphological, and thermal characterization. <i>Polymer Bulletin</i> , 2018, 75, 1895-1914.	1.7	4
116	Surface modified SiO ₂ nanoparticles by thiamine and ultrasonication synthesis of PCL/SiO ₂ -VB1 NCs: Morphology, thermal, mechanical and bioactivity investigations. <i>Ultrasonics Sonochemistry</i> , 2018, 41, 527-537.	3.8	28
117	Ultrasonic-assisted manufacturing of new hydrogel nanocomposite biosorbent containing calcium carbonate nanoparticles and tragacanth gum for removal of heavy metal. <i>Ultrasonics Sonochemistry</i> , 2018, 41, 572-581.	3.8	61
118	Employment of ultrasonic irradiation for production of poly(vinyl pyrrolidone)/modified alpha manganese dioxide nanocomposites: Morphology, thermal and optical characterization. <i>Ultrasonics Sonochemistry</i> , 2018, 41, 163-171.	3.8	5
119	Ultrasound-assisted surface treatment of ZrO ₂ with BSA and incorporating in PVC to improve the properties of the obtained nanocomposites: Fabrication and characterization. <i>Ultrasonics Sonochemistry</i> , 2018, 41, 350-360.	3.8	9
120	Ultrasonic-promoted rapid preparation of PVC/TiO ₂ -BSA nanocomposites: Characterization and photocatalytic degradation of methylene blue. <i>Ultrasonics Sonochemistry</i> , 2018, 41, 361-374.	3.8	39
121	A simple method for the sonochemical synthesis of PVA/ZrO ₂ -vitamin B1 nanocomposites: Morphology, mechanical, thermal and wettability investigations. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 881-889.	3.8	16
122	The influence of bovine serum albumin-modified silica on the physicochemical properties of poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 T 41, 1-10.	3.8	35
123	Nanocomposite materials based on poly(vinyl chloride) and bovine serum albumin modified ZnO through ultrasonic irradiation as a green technique: Optical, thermal, mechanical and morphological properties. <i>Ultrasonics Sonochemistry</i> , 2018, 41, 85-99.	3.8	28
124	Microwave and ultrasound-assisted synthesis of poly(vinyl chloride)/riboflavin modified MWCNTs: Examination of thermal, mechanical and morphology properties. <i>Ultrasonics Sonochemistry</i> , 2018, 41, 27-36.	3.8	26
125	Using Green Process for the Synthesis of Poly(Vinyl Alcohol)/Al ₂ O ₃ -Thiamine Nanocomposite: Thermal, Mechanical, Contact Angle, and Morphological Studies. <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 1035-1044.	1.9	5
126	Preparation and characterization of starch nanocomposite embedded with functionalized MWCNT: Investigation of optical, morphological, thermal, and copper ions adsorption properties. <i>Advances in Polymer Technology</i> , 2018, 37, 2195-2203.	0.8	11

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127	Fructose functionalized MWCNT as a filler for starch nanocomposites: Fabrication and characterizations. <i>Progress in Organic Coatings</i> , 2018, 114, 244-249.	1.9	15
128	Improvement of PVC/±-MnO ₂ LVA nanocomposites properties: A promising adsorbent for Pb(II) uptake. <i>International Journal of Polymer Analysis and Characterization</i> , 2018, 23, 142-155.	0.9	8
129	Host recycled poly(ethylene terephthalate) and guest PVA-grafted ZnO nanoparticles: prepared nanocomposites characterization. <i>Polymer Bulletin</i> , 2018, 75, 1715-1730.	1.7	6
130	Application of ultrasonic irradiation as a benign method for production of glycerol plasticized-starch/ascorbic acid functionalized MWCNTs nanocomposites: Investigation of methylene blue adsorption and electrical properties. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 419-432.	3.8	37
131	Sonochemical assisted synthesis and characterization of magnetic PET/Fe ₃ O ₄ , CA, AS nanocomposites: Morphology and physicochemical properties. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 611-618.	3.8	12
132	Fabrication of poly(vinyl alcohol) nanocomposites having different contents of modified SiO ₂ by vitamin B ₁ as biosafe and novel coupling agent to improve mechanical and thermal properties. <i>Polymer Composites</i> , 2018, 39, E1589.	2.3	18
133	Functionalization of Graphite with the Diels-Alder Reaction to Fabricate Metal-Free Electrocatalysts for Highly Efficient Hydrogen Evolution Reaction. <i>ChemistrySelect</i> , 2018, 3, 13070-13075.	0.7	5
134	Applications of biodegradable polymer/layered double hydroxide nanocomposites. , 2018, , 265-296.		3
135	Construction of crosslinked chitosan/nitrogen-doped graphene quantum dot nanocomposite for hydroxyapatite biomimetic mineralization. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 1451-1460.	3.6	35
136	Green and eco-friendly route for the synthesis of Ag@Vitamin B9-LDH hybrid and its chitosan nanocomposites: Characterization and antibacterial activity. <i>Polymer</i> , 2018, 154, 188-199.	1.8	32
137	Comprehensive study on reinforcement of poly(vinyl chloride) nanocomposite films with ZnO nanoparticles modified by citric acid and vitamin C. <i>International Journal of Polymer Analysis and Characterization</i> , 2018, 23, 415-429.	0.9	5
138	Poly(vinyl alcohol)/carbon nanotube nanocomposites. , 2018, , 297-315.		7
139	LDH-VB9-TiO ₂ and LDH-VB9-TiO ₂ /crosslinked PVA nanocomposite prepared via facile and green technique and their photo-degradation application for methylene blue dye under ultraviolet illumination. <i>Applied Clay Science</i> , 2018, 163, 235-248.	2.6	26
140	Polycaprolactone/metal oxide nanocomposites. , 2018, , 223-263.		3
141	Ultrasonic treatment as recent and environmentally friendly route for the synthesis and characterization of polymer nanocomposite having PVA and biosafe BSA-modified ZnO nanoparticles. <i>Polymers for Advanced Technologies</i> , 2018, 29, 2174-2183.	1.6	10
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380	Functionalization of multi-wall carbon nanotubes with amino acid and its influence on the properties of thiadiazol bearing poly(amide-thioester-imide) composites. <i>Synthetic Metals</i> , 2013, 169, 1-11.	2.1	66
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382	Structural features of bionanocomposite derived from novel designed poly(ester-imide) based on natural amino acids with hydroxyl segments tailored for better dispersion of TiO ₂ nanofiller. <i>Bulletin of Materials Science</i> , 2013, 36, 203-212.	0.8	2
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387	QSPR prediction of thermal decomposition property of non-vinyl polymers having α -amino acids moieties. <i>Polymer Bulletin</i> , 2013, 70, 715-732.	1.7	7
388	Synthesize procedures, mechanical and thermal properties of thiazole bearing poly(amide-imide) composite thin films containing multiwalled carbon nanotubes. <i>Colloid and Polymer Science</i> , 2013, 291, 1525-1534.	1.0	20
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412	Novel nanocomposites based on reactive organoclay of l-tyrosine and amine end-capped poly(amideâ€™imide): Synthesis and characterization. <i>Applied Clay Science</i> , 2013, 75-76, 67-73.	2.6	20
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616	Synthesis and characterization of novel, optically active poly(amide-imide)s from N,N'-(4,4?-sulfonedipthaloyl)-bis-L-phenylalanine diacid chloride and aromatic diamines under microwave irradiation. <i>Journal of Polymer Science Part A</i> , 2003, 41, 3974-3988.	2.5	30
617	Microwave-promoted synthesis of new optically active poly(ester-imide)s derived from N,N'-(pyromellitoyl)-bis-L-leucine diacid chloride and aromatic diols. <i>European Polymer Journal</i> , 2003, 39, 1823-1829.	2.6	37
618	Solid-state Synthesis of 1-Ethoxycarbonyl-4-substituted-semicarbazides. <i>Molecules</i> , 2003, 8, 359-362.	1.7	4
619	Microwave Assisted Synthesis of 4-Substituted 1-Ethoxycarbonyl Semicarbazides from Ethyl Carbazate and Isocyanates. <i>Monatshefte für Chemie</i> , 2003, 134, 1015-1017.	0.9	4
620	Alumina-supported potassium permanganate: A mild, inexpensive and efficient reagent for solvent-free deprotection of thioacetals. <i>Sulfur Letters</i> , 2003, 26, 77-81.	0.3	4
621	A facile and selective method for oxidation of sulfides and thiols to their corresponding sulfoxides and disulfides with alumina-supported potassium permanganate under solvent-free conditions. <i>Sulfur Letters</i> , 2002, 25, 155-160.	0.3	21