

Ali Olad

List of Publications by Year in descending order

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102
papers

4,095
citations

117453

34
h-index

133063

59
g-index

102
all docs

102
docs citations

102
times ranked

4398
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of self-healable nanocomposite hydrogel based on Gum Arabic/gelatin and graphene oxide: study of drug delivery behavior. <i>Polymer Bulletin</i> , 2023, 80, 4117-4138.	1.7	9
2	The effect of montmorillonite in graphene oxide/chitosan nanocomposite on controlled release of gemcitabine. <i>Polymer Bulletin</i> , 2022, 79, 5861-5883.	1.7	11
3	Fe ₃ O ₄ /PANI nanocomposite core-shell structure in epoxy resin matrix for the application as electromagnetic waves absorber. <i>Progress in Organic Coatings</i> , 2022, 163, 106665.	1.9	10
4	Development of a novel reinforced scaffold based on chitosan/cellulose nanocrystals/halloysite nanotubes for curcumin delivery. <i>Carbohydrate Polymers</i> , 2022, 282, 119127.	5.1	26
5	Effect of glutaraldehyde and calcium chloride as different crosslinking agents on the characteristics of chitosan/cellulose nanocrystals scaffold. <i>International Journal of Biological Macromolecules</i> , 2022, 208, 912-924.	3.6	29
6	Evaluating the effect of graphene oxide ^{PEGylation} on the properties of chitosan-graphene oxide nanocomposite scaffold. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2022, , .	1.6	0
7	Preparation of nanogels based on kappa-carrageenan/chitosan and N-doped carbon dots: study of drug delivery behavior. <i>Polymer Bulletin</i> , 2021, 78, 2709-2726.	1.7	19
8	Ion-crosslinked carboxymethyl cellulose/polyaniline bio-conducting interpenetrated polymer network: preparation, characterization and application for an efficient removal of Cr(VI) from aqueous solution. <i>Iranian Polymer Journal (English Edition)</i> , 2021, 30, 105-119.	1.3	12
9	Potential of slippery liquid infused porous surface coatings as flashover inhibitors on porcelain insulators in icing, contaminated, and harsh environments. <i>Progress in Organic Coatings</i> , 2021, 151, 106082.	1.9	15
10	Facile synthesis of iron(II) doped carbonaceous aerogel as a three-dimensional cathode and its excellent performance in electro-Fenton degradation of ceftazidime from water solution. <i>Separation and Purification Technology</i> , 2021, 278, 119559.	3.9	63
11	Effectiveness of PANI/Cu/TiO ₂ ternary nanocomposite on antibacterial and antistatic behaviors in polyurethane coatings. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48825.	1.3	6
12	Evaluation of in vitro anti-fungal properties of allicin loaded ion cross-linked poly (AA-co-AAm)/PVA/Cloisite 15A Nanocomposite hydrogel films as wound dressing materials. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	19
13	Fabrication and characterization of a starch-based superabsorbent hydrogel composite reinforced with cellulose nanocrystals from potato peel waste. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 601, 124962.	2.3	73
14	Ion crosslinked poly(acrylic acid-co-acrylamide)/poly(vinyl alcohol)/Cloisite 15A nanocomposite hydrogels as potential wound dressing films: Effect of clay content on water absorption kinetic and mechanical properties. <i>Polymer Composites</i> , 2019, 40, 1762-1773.	2.3	10
15	Polymer/zeolite nano-composite hydrogels as promising water reservoir materials: effect of clinoptilolite content on physicochemical properties. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	3
16	Graphene oxide and amin-modified graphene oxide incorporated chitosan-gelatin scaffolds as promising materials for tissue engineering. <i>Composites Part B: Engineering</i> , 2019, 162, 692-702.	5.9	94
17	Graphene oxide and montmorillonite enriched natural polymeric scaffold for bone tissue engineering. <i>Ceramics International</i> , 2019, 45, 15609-15619.	2.3	39
18	Physicochemical evaluation of nanocomposite hydrogels with covalently incorporated poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	1.3	16

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19	Thermodynamic and Kinetic Studies of Removal Process of Hexavalent Chromium Ions from Water by Using Bio-conducting Starch-Montmorillonite/Polyaniline Nanocomposite. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 1916-1926.	1.9	18
20	PANI-Chitosan-TiO ₂ ternary nanocomposite and its effectiveness on antibacterial and antistatic behavior of epoxy coating. Journal of Applied Polymer Science, 2019, 136, 47629.	1.3	17
21	Visible-light induced anti-bacterial and self-cleaning waterborne polyacrylic coating modified with TiO ₂ /polypyrrole nanocomposite; preparation and characterization. Journal of Molecular Structure, 2018, 1163, 174-184.	1.8	19
22	The use of adsorption method to preparation of polyaniline/ZnO nanocomposite varistor. Journal of Materials Science: Materials in Electronics, 2018, 29, 9692-9699.	1.1	8
23	Water retention and slow release studies of a salep-based hydrogel nanocomposite reinforced with montmorillonite clay. New Journal of Chemistry, 2018, 42, 2758-2766.	1.4	47
24	Slow-release NPK fertilizer encapsulated by carboxymethyl cellulose-based nanocomposite with the function of water retention in soil. Materials Science and Engineering C, 2018, 90, 333-340.	3.8	156
25	Semi-IPN superabsorbent nanocomposite based on sodium alginate and montmorillonite: Reaction parameters and swelling characteristics. Carbohydrate Polymers, 2018, 190, 295-306.	5.1	97
26	Electromagnetic interference attenuation and shielding effect of quaternary Epoxy-PPy/Fe ₃ O ₄ -ZnO nanocomposite as a broad band microwave-absorber. Journal of Magnetism and Magnetic Materials, 2018, 458, 335-345.	1.0	52
27	Superabsorbent nanocomposite based on maize bran with integration of water-retaining and slow-release NPK fertilizer. Advances in Polymer Technology, 2018, 37, 1682-1694.	0.8	28
28	A promising porous polymer-nanoclay hydrogel nanocomposite as water reservoir material: synthesis and kinetic study. Journal of Porous Materials, 2018, 25, 665-675.	1.3	21
29	Synthesis, characterization, and swelling kinetic study of porous superabsorbent hydrogel nanocomposite based on sulfonated carboxymethylcellulose and silica nanoparticles. Journal of Porous Materials, 2018, 25, 1325-1335.	1.3	24
30	Preparation and characterization of polyurethane based self-cleaning and antibacterial coating containing silver ion exchanged montmorillonite/TiO ₂ nanocomposite. Research on Chemical Intermediates, 2018, 44, 1711-1727.	1.3	15
31	Preparation of PANI-CuZnO ternary nanocomposite and investigation of its effects on polyurethane coatings antibacterial, antistatic, and mechanical properties. Journal of Nanostructure in Chemistry, 2018, 8, 473-481.	5.3	13
32	Investigation of nonlinear electrical properties of ZnO/PPy nanocomposite and its application as a low-voltage varistor. Physica B: Condensed Matter, 2018, 550, 127-135.	1.3	5
33	The use of graphite/TiO ₂ nanocomposite additive for preparation of polyacrylic based visible-light induced antibacterial and self-cleaning coating. Research on Chemical Intermediates, 2018, 44, 6219-6237.	1.3	11
34	Iron/NPK agrochemical formulation from superabsorbent nanocomposite based on maize bran and montmorillonite with functions of water uptake and slow-release fertilizer. New Journal of Chemistry, 2018, 42, 13899-13914.	1.4	17
35	Starch-based semi-IPN hydrogel nanocomposite integrated with clinoptilolite: Preparation and swelling kinetic study. Carbohydrate Polymers, 2018, 200, 516-528.	5.1	66
36	Effect of exfoliated organophilic montmorillonite on the structure and conductivity of polypropylene/polyaniline composites. Polymer Composites, 2017, 38, 699-707.	2.3	0

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37	Controlled Release Systems Based on Intercalated Paraquat onto Montmorillonite and Clinoptilolite Clays Encapsulated with Sodium Alginate. <i>Advances in Polymer Technology</i> , 2017, 36, 177-185.	0.8	22
38	Effects of aluminum surface treatments on the interfacial fracture toughness of carbon-fiber aluminum laminates. <i>Engineering Fracture Mechanics</i> , 2017, 172, 139-151.	2.0	49
39	pH sensitive and controlled release system based on cellulose nanofibers-poly vinyl alcohol hydrogels for cisplatin delivery. <i>Fibers and Polymers</i> , 2017, 18, 416-423.	1.1	18
40	Study of the effect of TiO ₂ /polyaniline nanocomposite on the self-cleaning property of polyacrylic latex coating. <i>Surface and Coatings Technology</i> , 2017, 316, 199-209.	2.2	25
41	Superabsorbent hydrogel made of NaAlg-g-poly(AA-co-AAm) and rice husk ash: Synthesis, characterization, and swelling kinetic studies. <i>Carbohydrate Polymers</i> , 2017, 168, 1-13.	5.1	169
42	Synthesis, characterization, and fertilizer release study of the salt and pH-sensitive NaAlg-g-poly(AA-co-AAm)/RHA superabsorbent nanocomposite. <i>Polymer Bulletin</i> , 2017, 74, 3353-3377.	1.7	46
43	The use of biodegradable polymers for the stabilization of copper nanoparticles synthesized by chemical reduction method. <i>Bulletin of Materials Science</i> , 2017, 40, 1013-1020.	0.8	15
44	Preparation of an antibacterial, hydrophilic and photocatalytically active polyacrylic coating using TiO ₂ nanoparticles sensitized by graphene oxide. <i>Materials Science and Engineering C</i> , 2017, 80, 642-651.	3.8	49
45	Study on the capacitive performance of polyaniline/activated carbon nanocomposite for supercapacitor application. <i>Journal of Polymer Research</i> , 2016, 23, 1.	1.2	13
46	A New Method of Preparing Gel for DGT Technique and Application to the Soil Phosphorus Availability Test. <i>Communications in Soil Science and Plant Analysis</i> , 2016, 47, 1239-1251.	0.6	8
47	Study on the synergistic effect of clinoptilolite on the swelling kinetic and slow release behavior of maize bran-based superabsorbent nanocomposite. <i>Journal of Polymer Research</i> , 2016, 23, 1.	1.2	12
48	Preparation and investigation of hydrophilic, photocatalytic, and antibacterial polyacrylic latex coating containing nanostructured TiO ₂ /Ag ⁺ -exchanged-montmorillonite composite material. <i>Applied Clay Science</i> , 2016, 123, 156-165.	2.6	27
49	Preparation and electrochemical investigation of the polyaniline/activated carbon nanocomposite for supercapacitor applications. <i>Progress in Organic Coatings</i> , 2015, 81, 19-26.	1.9	27
50	The effective removal of methylene blue dye from aqueous solutions by NaAlg-g-poly(acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Jf 50 222 T	1.1	39
51	Hydrogel/clinoptilolite nanocomposite-coated fertilizer: swelling, water-retention and slow-release fertilizer properties. <i>Polymer Bulletin</i> , 2015, 72, 2667-2684.	1.7	45
52	A self-cleaning coating based on commercial grade polyacrylic latex modified by TiO ₂ /Ag-exchanged-zeolite-A nanocomposite. <i>Applied Surface Science</i> , 2015, 346, 543-553.	3.1	34
53	The effect of TiO ₂ /aluminosilicate nanocomposite additives on the mechanical and thermal properties of polyacrylic coatings. <i>Applied Surface Science</i> , 2015, 357, 376-384.	3.1	12
54	Use of response surface methodology for optimization of the photocatalytic degradation of ampicillin by ZnO/polyaniline nanocomposite. <i>Research on Chemical Intermediates</i> , 2015, 41, 1351-1363.	1.3	17

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55	Fabrication of Conductive Polyaniline Nanocomposites Based on Silica Nanoparticles via <i>In-Situ</i> Chemical Oxidative Polymerization Technique. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2015, 45, 86-91.	0.6	17
56	Application of response surface methodology for modeling of reactive dye removal from solution using starchâ€montmorillonite/polyaniline nanocomposite. <i>Polymer Engineering and Science</i> , 2014, 54, 1595-1607.	1.5	30
57	A study on the adsorption of chromium (VI) from aqueous solutions on the alginate-montmorillonite/polyaniline nanocomposite. <i>Desalination and Water Treatment</i> , 2014, 52, 2548-2559.	1.0	50
58	Effect of temperature on the electrophysical properties of Siâ€polymer composite varistors. <i>Microelectronics Reliability</i> , 2014, 54, 965-971.	0.9	9
59	On the preparation and swelling properties of hydrogel nanocomposite based on Sodium alginate-g-Poly (acrylic acid-co-acrylamide)/Clinoptilolite and its application as slow release fertilizer. <i>Journal of Polymer Research</i> , 2014, 21, 1.	1.2	143
60	The synergetic effect of bioactive ceramic and nanoclay on the properties of chitosanâ€gelatin/nanohydroxyapatiteâ€montmorillonite scaffold for bone tissue engineering. <i>Ceramics International</i> , 2014, 40, 10061-10072.	2.3	119
61	Fabrication and characterization of chitosanâ€gelatin/nanohydroxyapatiteâ€polyaniline composite with potential application in tissue engineering scaffolds. <i>Designed Monomers and Polymers</i> , 2014, 17, 654-667.	0.7	100
62	Slow-released NPK fertilizer encapsulated by NaAlg-g-poly(AA-co-AAm)/MMT superabsorbent nanocomposite. <i>Carbohydrate Polymers</i> , 2014, 114, 269-278.	5.1	190
63	Eco-friendly biopolymer/clay/conducting polymer nanocomposite: Characterization and its application in reactive dye removal. <i>Fibers and Polymers</i> , 2014, 15, 1321-1329.	1.1	29
64	A study on sustained release formulations for oral delivery of 5-fluorouracil based on alginateâ€chitosan/montmorillonite nanocomposite systems. <i>Applied Clay Science</i> , 2014, 101, 288-296.	2.6	106
65	Effect of Si content on electrophysical properties of Si-polymer composite varistors. <i>Materials Chemistry and Physics</i> , 2014, 147, 1117-1122.	2.0	13
66	Correlation between sintering pressure and electrical properties of hot-press sintered gallium arsenide-polyaniline-polyethylene composite varistors. <i>Materials Science in Semiconductor Processing</i> , 2014, 17, 143-148.	1.9	2
67	On the encapsulation of natural pesticide using polyvinyl alcohol/alginateâ€montmorillonite nanocomposite for controlled release application. <i>Polymer Engineering and Science</i> , 2014, 54, 2707-2714.	1.5	13
68	Development of novel hybrid nanocomposites based on natural biodegradable polymerâ€montmorillonite/polyaniline: preparation and characterization. <i>Polymer Bulletin</i> , 2014, 71, 1591-1610.	1.7	41
69	Influence of natural clinoptilolite nanoparticles on thermal stability, scratch resistance and adherence properties of Acrylonitrile butadiene styrene (ABS). <i>Fibers and Polymers</i> , 2013, 14, 447-452.	1.1	3
70	Removal of Nickel (II) from aqueous solutions with polypyrrole modified clinoptilolite: kinetic and isotherm studies. <i>Desalination and Water Treatment</i> , 2013, 51, 7172-7180.	1.0	25
71	Novel polyaniline/poly (vinyl alcohol)/clinoptilolite nanocomposite: dye removal, kinetic, and isotherm studies. <i>Desalination and Water Treatment</i> , 2013, 51, 7057-7066.	1.0	26
72	Effect of changing Gallium arsenide content on Gallium arsenideâ€polymer composite varistors. <i>Journal of Physics and Chemistry of Solids</i> , 2013, 74, 1169-1173.	1.9	13

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73	The effect of sintering temperature on varistor characteristics of gallium arsenide/polyaniline/polyethylene composite varistors. <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 752-758.	1.9	11
74	Temperature dependent electrophysical characteristics of GaAs-polymer composite varistors. <i>Current Applied Physics</i> , 2013, 13, 355-359.	1.1	8
75	Optimization of electrocoagulation process for removal of an azo dye using response surface methodology and investigation on the occurrence of destructive side reactions. <i>Chemical Engineering and Processing: Process Intensification</i> , 2013, 64, 68-78.	1.8	123
76	Effect of polyaniline as a surface modifier of TiO ₂ nanoparticles on the properties of polyvinyl chloride/TiO ₂ nanocomposites. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2013, 31, 481-494.	2.0	23
77	Preparation and corrosion resistance of nanostructured PVC/ZnO/polyaniline hybrid coating. <i>Progress in Organic Coatings</i> , 2013, 76, 113-118.	1.9	107
78	Preparation of Polypyrrole Nanocomposites with Organophilic and Hydrophilic Montmorillonite and Investigation of Their Corrosion Protection on Iron. <i>Advances in Polymer Technology</i> , 2013, 32, .	0.8	22
79	Preparation and characterization of polypyrrole/clinoptilolite nanocomposite with enhanced electrical conductivity by surface polymerization method. <i>Polymer Engineering and Science</i> , 2013, 53, 970-975.	1.5	23
80	Nonlinear properties of ZnO-polymer composites prepared by solution-casting method. <i>Vacuum</i> , 2013, 87, 50-54.	1.6	25
81	Electrocatalytic Reduction of Nitrate Ions from Water Using Polyaniline Nanofibers Modified Gold Electrode. <i>Water Environment Research</i> , 2012, 84, 144-149.	1.3	8
82	Investigation on the Mechanical and Thermal Properties of Intercalated Epoxy/Layered Silicate Nanocomposites. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2012, 61, 1035-1049.	1.8	23
83	Preparation, characterization and photocatalytic activity of TiO ₂ /polyaniline core-shell nanocomposite. <i>Bulletin of Materials Science</i> , 2012, 35, 801-809.	0.8	102
84	Preparation, Characterization, and Anticorrosive Properties of Polyaniline Nanotubes. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2012, 61, 949-962.	1.8	22
85	Degradation of ampicillin antibiotic in aqueous solution by ZnO/polyaniline nanocomposite as photocatalyst under sunlight irradiation. <i>Environmental Science and Pollution Research</i> , 2012, 19, 2291-2299.	2.7	85
86	Poly(N-vinylpyrrolidone) modified polyaniline/Na ⁺ -cloisite nanocomposite: Synthesis and characterization. <i>Fibers and Polymers</i> , 2012, 13, 16-20.	1.1	15
87	Electrodeposition of homogeneous and adherent polypyrrole/Na ⁺ -cloisite nanocomposite on iron electrodes. <i>Fibers and Polymers</i> , 2012, 13, 475-480.	1.1	8
88	Preparation of PANI/epoxy/Zn nanocomposite using Zn nanoparticles and epoxy resin as additives and investigation of its corrosion protection behavior on iron. <i>Progress in Organic Coatings</i> , 2012, 74, 221-227.	1.9	69
89	Surfactant-assisted synthesis of polyaniline nanofibres without shaking and stirring: effect of conditions on morphology and conductivity. <i>Chemical Papers</i> , 2012, 66, .	1.0	23
90	Characterization and physical properties investigation of conducting polypyrrole/TiO ₂ nanocomposites prepared through a one-step in situ polymerization method. <i>Journal of Applied Polymer Science</i> , 2012, 123, 1922-1927.	1.3	28

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91	Preparation, characterization, and photocatalytic activity of polyaniline/ZnO nanocomposite. <i>Research on Chemical Intermediates</i> , 2012, 38, 323-336.	1.3	80
92	Removal of toxic hexavalent chromium by polyaniline modified clinoptilolite nanoparticles. <i>Journal of the Iranian Chemical Society</i> , 2011, 8, S141-S151.	1.2	31
93	Conductivity and anticorrosion performance of polyaniline/zinc composites: Investigation of zinc particle size and distribution effect. <i>Progress in Organic Coatings</i> , 2011, 72, 599-604.	1.9	78
94	Influence of anions on Reactive Red 43 removal in electrochemical coagulation process. <i>Electrochimica Acta</i> , 2011, 56, 1373-1380.	2.6	12
95	A Comparative Study of Polystyrene/Layered Silicate Nanocomposites, Synthesized by Emulsion and Bulk Polymerization Methods. <i>Polymer-Plastics Technology and Engineering</i> , 2011, 50, 1487-1495.	1.9	14
96	Determination of Linear Short Chain Aliphatic Aldehyde and Ketone Vapors in Air Using a Polystyrene-coated Quartz Crystal Nanobalance Sensor. <i>Analytical Sciences</i> , 2010, 26, 89-93.	0.8	2
97	Preparation, characterization and anticorrosive properties of a novel polyaniline/c clinoptilolite nanocomposite. <i>Progress in Organic Coatings</i> , 2010, 67, 233-238.	1.9	101
98	Removal of the Alphazurine FG Dye from Simulated Solution by Electrocoagulation. <i>Clean - Soil, Air, Water</i> , 2010, 38, 401-408.	0.7	20
99	Enhanced corrosion protective coating based on conducting polyaniline/zinc nanocomposite. <i>Journal of Applied Polymer Science</i> , 2010, 115, 2221-2227.	1.3	50
100	Removal of chromium from aqueous solution using polyaniline-Poly ethylene glycol composite. <i>Journal of Hazardous Materials</i> , 2010, 184, 248-254.	6.5	138
101	Preparation and anticorrosive properties of PANI/Na-MMT and PANI/O-MMT nanocomposites. <i>Progress in Organic Coatings</i> , 2008, 62, 293-298.	1.9	109
102	Application of polyaniline for the reduction of toxic Cr(VI) in water. <i>Journal of Hazardous Materials</i> , 2007, 147, 845-851.	6.5	111