El Refaie Kenawy

List of Publications by Year
in descending order

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Version: 2024-02-01

92 papers	7,270 citations	126858 33 h-index	54882 84 g-index
94 all docs	94 docs citations	94 times ranked	8856 citing authors

#	Article	IF	Citations
1	Metronidazole Topically Immobilized Electrospun Nanofibrous Scaffold: Novel Secondary Intention Wound Healing Accelerator. Polymers, 2022, 14, 454.	2.0	32
2	Three waves changes, new variant strains, and vaccination effect against COVID-19 pandemic. International Journal of Biological Macromolecules, 2022, 204, 161-168.	3.6	147
3	Optimizing Graphene Oxide Encapsulated TiO2 and Hydroxyapatite; Structure and Biological Response. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 1306.	1.9	0
4	Electrospun composites nanofibers from cellulose acetate/carbon black as efficient adsorbents for heavy and light machine oil from aquatic environment. Journal of the Iranian Chemical Society, 2022, 19, 3013-3027.	1.2	12
5	Enhancement of growth and physiological traits under drought stress in Faba bean (Vicia faba) Tj ETQq1 1 0.784314 rgBT /Ove	1.0	9
6	An environmental friendly superabsorbent composite based on rice husk as soil amendment to improve plant growth and water productivity under deficit irrigation conditions. Journal of Plant Nutrition, 2021, 44, 1010-1022.	0.9	10
7	Reducing nitrogen leaching while enhancing growth, yield performance and physiological traits of rice by the application of controlled-release urea fertilizer. Paddy and Water Environment, 2021, 19, 173-188.	1.0	19
8	Insecticidal activity of some synthesized 1,3,4-oxadiazole derivatives grafted on chitosan and polymethylmethacrylate against the cotton leafworm Spodoptera littoralis. International Journal of Biological Macromolecules, 2021, 180, 539-546.	3.6	6
9	Free-Standing Working Electrodes for Supercapacitors Based on Composite Polymer Nanofibers and Functionalized with Graphene Oxide. Journal of Electronic Materials, 2021, 50, 5599-5611.	1.0	5
10	New polymeric molluscicide-attractant (niclosamide-l-glutamate) for control of Biomphalaria alexandrina. Egyptian Journal of Aquatic Research, 2020, 46, 13-18.	1.0	2
11	Global impacts of pre- and post-COVID-19 pandemic: Focus on socio-economic consequences. Sensors International, 2020, 1, 100042.	4.9	69
12	Ecofriendly biodegradation of Reactive Black 5 by newly isolated Sterigmatomyces halophilus SSA1575, valued for textile azo dye wastewater processing and detoxification. Scientific Reports, 2020, 10, 12370.	1.6	107
13	Performance of a Newly Isolated Salt-Tolerant Yeast Strain Sterigmatomyces halophilus SSA-1575 for Azo Dye Decolorization and Detoxification. Frontiers in Microbiology, 2020, 11, 1163.	1.5	83
14	Enhanced anaerobic digestion performance by two artificially constructed microbial consortia capable of woody biomass degradation and chlorophenols detoxification. Journal of Hazardous Materials, 2020, 389, 122076.	6.5	47
15	Nanofibers for Filtration Applications. Advances in Material Research and Technology, 2020, , 361-371.	0.3	2
16	Montmorillonite Intercalated Norfloxacin and Tobramycin for New Drug-Delivery Systems. Journal of Nanoscience and Nanotechnology, 2020, 20, 5246-5251.	0.9	5
17	Fabrication of biodegradable gelatin/chitosan/cinnamaldehyde crosslinked membranes for antibacterial wound dressing applications. International Journal of Biological Macromolecules, 2019, 139, 440-448.	3.6	115
18	Insight into multidrug-resistant microorganisms from microbial infected diabetic foot ulcers. Diabetes and Metabolic Syndrome: Clinical Research and Reviews, 2019, 13, 1261-1270.	1.8	59

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19	Pharmaceutical Potential of a Novel Chitosan Derivative Schiff Base with Special Reference to Antibacterial, Anti-Biofilm, Antioxidant, Anti-Inflammatory, Hemocompatibility and Cytotoxic Activities. Pharmaceutical Research, 2019, 36, 5.	1.7	52
20	Synthesis, characterization and biomedical applications of a novel Schiff base on methyl acrylate-functionalized chitosan bearing p-nitrobenzaldehyde groups. International Journal of Biological Macromolecules, 2019, 122, 833-843.	3.6	50
21	Preparation of organophilic montmorillonite-based dimethylamino benzaldehyde-Schiff-base as antibacterial agents. Arabian Journal of Chemistry, 2019, 12, 405-412.	2.3	11
22	Mitigation of drought stress on three summer crop species using the superabsorbent composite Gelatin-g-p(AA-co-AM)/RH. Communications in Soil Science and Plant Analysis, 2018, 49, 2828-2842.	0.6	11
23	Cetyltrimethylammonium bromide intercalated and branched polyhydroxystyrene functionalized montmorillonite clay to sequester cationic dyes. Journal of Environmental Management, 2018, 219, 285-293.	3.8	137
24	Preparation of carboxymethyl celluloseâ€gâ€poly (acrylamide)/montmorillonite superabsorbent composite as a slowâ€release urea fertilizer. Polymers for Advanced Technologies, 2018, 29, 2072-2079.	1.6	27
25	1,3,5-Triazine-based polymer: synthesis, characterization and application for immobilization of silver nanoparticles. Journal of Polymer Research, 2017, 24, 1.	1.2	16
26	Grafted cellulose acetate reverse osmosis membrane using 2-acrylamido-2-methylpropanesulfonic acid for water desalination. Water Science and Technology: Water Supply, 2016, 16, 1046-1056.	1.0	12
27	Novel biocidal polymers based on branched and linear poly(hydroxystyrene). International Journal of Polymeric Materials and Polymeric Biomaterials, 2016, 65, 712-719.	1.8	2
28	Poly (vinyl alcohol)-alginate physically crosslinked hydrogel membranes for wound dressing applications: Characterization and bio-evaluation. Arabian Journal of Chemistry, 2015, 8, 38-47.	2.3	257
29	Crosslinked poly(vinyl alcohol) hydrogels for wound dressing applications: A review of remarkably blended polymers. Arabian Journal of Chemistry, 2015, 8, 1-14.	2.3	496
30	New trends in antimicrobial polymers: A state-of-the-art review. International Journal of Chemical and Applied Biological Sciences, 2014, 1, 95.	0.2	11
31	Physically crosslinked poly(vinyl alcohol)-hydroxyethyl starch blend hydrogel membranes: Synthesis and characterization for biomedical applications. Arabian Journal of Chemistry, 2014, 7, 372-380.	2.3	171
32	Synthesis and biocidal activity of modified poly(vinyl alcohol). Arabian Journal of Chemistry, 2014, 7, 355-361.	2.3	14
33	Biocidal Polymers: Preparation and Antimicrobial Assessment of Immobilized Onium Salts onto Modified Chitosan. International Journal of Polymeric Materials and Polymeric Biomaterials, 2014, 63, 758-766.	1.8	10
34	Covalent immobilization of Î²â€galactosidase onto electrospun nanofibers of poly (ANâ€coâ€MMA) copolymer. Journal of Applied Polymer Science, 2013, 127, 1873-1884.	1.3	18
35	Electrospinning of Functionalized Copolymer Nanofibers from Poly(acrylonitrileâ€coâ€methyl) Tj ETQq1 1 0.784314 rgBT /Ove	0.8	8
36	Synthesis, characterization and spectroscopic investigation of pyrazinoporphyrazine network polymer-supported metal (II)-based catalysts. Chinese Journal of Polymer Science (English Edition), 2013, 31, 242-250.	2.0	6

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37	Synthesis and Biocide Activity of Polymers Based on Poly(hydroxy styrene) and Poly(hydroxy) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	0.4	3
38	Fabrication of electrospun antimicrobial nanofibers containing metronidazole using nanospider technology. Fibers and Polymers, 2012, 13, 709-717.	1.1	52
39	Synthesis, characterization, and amidoximation of diaminomaleodinitrileâ€functionalized polyethylene terephthalate grafts for collecting heavy metals from wastewater. Journal of Applied Polymer Science, 2012, 125, 1136-1145.	1.3	14
40	Polyoxypropyleneâ€“montmorillonite nanocomposites for drugâ€delivery vehicles: Preparation and characterization. Journal of Applied Polymer Science, 2012, 125, E157.	1.3	16
41	Synthesis and microbial degradation of azopolymers for possible applications for colon specific drug delivery I. Journal of Saudi Chemical Society, 2011, 15, 327-335.	2.4	12
42	Biocidal polymers: Synthesis, antimicrobial activity, and possible toxicity of poly (hydroxystyreneâ€coâ€methylmethacrylate) derivatives. Journal of Applied Polymer Science, 2011, 120, 2734-2742.	1.3	20
43	Study of heavy metal ion absorbance by amidoxime group introduced to celluloseâ€graftâ€polyacrylonitrile. Journal of Applied Polymer Science, 2011, 120, 866-873.	1.3	36
44	Synthesis, characterization and antimicrobial activity of modified cellulose-graft-polyacrylonitrile with some aromatic aldehyde derivatives. Carbohydrate Polymers, 2011, 83, 346-353.	5.1	31
45	Nanospider Technology for the Production of Nylon-6 Nanofibers for Biomedical Applications. Journal of Nanomaterials, 2011, 2011, 1-8.	1.5	60
46	High temperature microwave-assisted synthesis and the physico-chemical characterisation of mesoporous crystalline titania. International Journal of Nanotechnology, 2010, 7, 1065.	0.1	4
47	Friedelâ€“Crafts benzylation of benzene and other aromatics using 3D mesoporous gallosilicate with cage type porous structure. Microporous and Mesoporous Materials, 2010, 134, 87-92.	2.2	17
48	Characterization and thermal stability of celluloseâ€graftâ€polyacryloniytrile prepared by using KMnO₄/citric acid redox system. Journal of Applied Polymer Science, 2010, 116, 1788-1795.	1.3	5
49	Controlled release of atenolol from freeze/thawed poly(vinyl alcohol) hydrogel. Journal of Saudi Chemical Society, 2010, 14, 237-240.	2.4	26
50	Nanoporous aluminosilicate catalyst with 3D cage-type porous structure as an efficient catalyst for the synthesis of benzimidazole derivatives. Tetrahedron Letters, 2010, 51, 5195-5199.	0.7	54
51	Synthesis and Characterization of Novel Inorganic-Organic Hybrid Ru(II) Complexes and Their Application in Selective Hydrogenation. Molecules, 2010, 15, 1028-1040.	1.7	13
52	Controlled Release of 5-Aminosalicylic Acid (5-ASA) from New Biodegradable Polyurethanes. Molecules, 2010, 15, 2257-2268.	1.7	14
53	Synthesis and Spectrosopic Identification of Hybrid 3-(Triethoxysilyl)propylamine Phosphine Ruthenium(II) Complexes. Molecules, 2010, 15, 3618-3633.	1.7	4
54	Characterization and Mechanical Properties of Cellulose-graft-Polyacrylonitrile Prepared by Using KMnO4/different Acids as Redox System. Nihon Reoroji Gakkaishi, 2010, 38, 133-140.	0.2	1

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55	Processing of polymer nanofibers through electrospinning as drug delivery systems. Materials Chemistry and Physics, 2009, 113, 296-302.	2.0	236
56	Synthesis and antimicrobial activity of metronidazole containing polymer and copolymers. Journal of Applied Polymer Science, 2009, 113, 818-826.	1.3	14
57	Processing of Polymer Nanofibers Through Electrospinning as Drug Delivery Systems. NATO Science for Peace and Security Series C: Environmental Security, 2009, , 247-263.	0.1	10
58	Effect of pH on the drug release rate from a new polymerâ€“drug conjugate system. Polymer International, 2008, 57, 85-91.	1.6	25
59	A New Degradable Hydroxamate Linkage for pH-Controlled Drug Delivery. Biomacromolecules, 2007, 8, 196-201.	2.6	16
60	The Chemistry and Applications of Antimicrobial Polymers:Â A State-of-the-Art Review. Biomacromolecules, 2007, 8, 1359-1384.	2.6	1,387
61	Controlled release of ketoprofen from electrospun poly(vinyl alcohol) nanofibers. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 459, 390-396.	2.6	162
62	Biologically active polymers: VII. Synthesis and antimicrobial activity of some crosslinked copolymers with quaternary ammonium and phosphonium groups. Reactive and Functional Polymers, 2006, 66, 419-429.	2.0	116
63	Synthesis and antimicrobial activity of some polymers derived from modified amino polyacrylamide by reacting it with benzoate esters and benzaldehyde derivatives. Journal of Applied Polymer Science, 2006, 99, 2428-2437.	1.3	26
64	Biologically active polymers. IV. Synthesis and antimicrobial activity of tartaric acid polyamides. Journal of Applied Polymer Science, 2006, 102, 4780-4790.	1.3	21
65	Biologically Active Polymers: Modification and Anti-microbial Activity of Chitosan Derivatives. Journal of Bioactive and Compatible Polymers, 2005, 20, 95-111.	0.8	69
66	Recycling of Pharmaceutical Waste Gelatin for Controlled Release Applications II: A Tri-fluralin Based System. Polymer-Plastics Technology and Engineering, 2004, 43, 1695-1709.	1.9	3
67	Recycling of pharmaceutical waste gelatin for controlled-release applications. I. A 2,4-dicholorphenoxy acetic acid based system. Journal of Applied Polymer Science, 2004, 91, 2313-2319.	1.3	9
68	Controlled release of 2-methyl-4-chlorophenoxy acetic acid herbicide from waste gelatin-based blends and composites. Journal of Applied Polymer Science, 2004, 94, 1420-1427.	1.3	11
69	Polymeric Controlled Release Formulations of Niclosamide for Control ofBiomphalaria Alexandrina, the Vector Snail of Schistosomiasis. Macromolecular Bioscience, 2004, 4, 119-128.	2.1	16
70	Biologically Active Polymers, 6. Macromolecular Bioscience, 2003, 3, 107-116.	2.1	126
71	Electrospinning of poly(ethylene-co-vinyl alcohol) fibers. Biomaterials, 2003, 24, 907-913.	5.7	336
72	Release of tetracycline hydrochloride from electrospun poly(ethylene-co-vinylacetate), poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.8	1,191

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73	Biodegradation of poly(vinyl alcohol) in soil environment: Influence of natural organic fillers and structural parameters. Macromolecular Chemistry and Physics, 2002, 203, 1526-1531.	1.1	39
74	Antimicrobial properties of modified and electrospun poly(vinyl phenol). Macromolecular Bioscience, 2002, 2, 261-266.	2.1	76
75	Biologically active polymers. V. Synthesis and antimicrobial activity of modified poly(glycidyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf phosphonium salts. Journal of Polymer Science Part A, 2002, 40, 2384-2393.	2.5	248
76	Biodegradation of poly(vinyl alcohol) in soil environment: Influence of natural organic fillers and structural parameters. , 2002, 203, 1526.		1
77	Gelatin-Based Blends and Composites. Morphological and Thermal Mechanical Characterization. Biomacromolecules, 2001, 2, 806-811.	2.6	119
78	POLYMERS FOR AGRICULTURAL APPLICATIONS: CONTROLLED-RELEASE POLYMERIC FORMULATIONS WITH PENDANT 2,6-DICHLOROBENZALDEHYDE. Polymer-Plastics Technology and Engineering, 2001, 40, 437-450.	1.9	13
79	Controlled release of polymer conjugated agrochemicals. System based on poly(methyl vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	1.3	13
80	Biologically active polymers. IV. Synthesis and antimicrobial activity of polymers containing 8-hydroxyquinoline moiety. Journal of Applied Polymer Science, 2001, 82, 1364-1374.	1.3	78
81	Environmentally sound blends and composites based on water-soluble polymer matrices. Macromolecular Symposia, 2000, 152, 83-94.	0.4	32
82	Biodegradable composite films based on waste gelatin. Macromolecular Symposia, 1999, 144, 351-364.	0.4	27
83	Biologically active polymers: synthesis and antimicrobial activity of modified glycidyl methacrylate polymers having a quaternary ammonium and phosphonium groups. Journal of Controlled Release, 1998, 50, 145-152.	4.8	161
84	Biologically active polymers: controlled-release formulations based on crosslinked acrylamide gel derivatives. Reactive and Functional Polymers, 1998, 36, 31-39.	2.0	32
85	Polymer-supported phase-transfer catalysts: synthesis and high catalytic activity of ammonium and phosphonium salts bound to linear and crosslinked poly(glycidyl methacrylate). Designed Monomers and Polymers, 1998, 1, 155-167.	0.7	3
86	Recent Advances in Controlled Release of Agrochemicals. Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics, 1998, 38, 365-390.	2.2	32
87	Controlled Release Formulations of Agrochemicals from Calcium Alginate. Industrial & Engineering Chemistry Research, 1996, 35, 3726-3729.	1.8	34
88	Polymers for colon specific drug delivery. Journal of Controlled Release, 1996, 39, 327-338.	4.8	89
89	Controlled release of agrochemical molecules chemically bound to polymers. European Polymer Journal, 1992, 28, 841-862.	2.6	70
90	Reverse osmosis membranes for water desalination based on cellulose acetate extracted from Egyptian rice straw. Desalination and Water Treatment, 0, , 1-11.	1.0	5

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91	Effective biological treatment of water polluted with coomassie brilliant blue and methylene blue using carbon nanotubeâ€supported biodegradation. Environmental Progress and Sustainable Energy, 0, , .	1.3	1
92	Chemical modification, electrospinning and biological activities of pluronic F68. Polymer Bulletin, 0, , .	1.7	2