

Mona H Abdel Rehim

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

764
citations

567281

15
h-index

526287

27
g-index

30
all docs

30
docs citations

30
times ranked

1096
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of conductive paper composites based on natural cellulosic fibers for packaging applications. <i>Carbohydrate Polymers</i> , 2012, 89, 1027-1032.	10.2	94
2	Photocatalytic activity and antimicrobial properties of paper sheets modified with TiO ₂ /Sodium alginate nanocomposites. <i>Carbohydrate Polymers</i> , 2016, 148, 194-199.	10.2	68
3	Green synthesis of cellulose nanofibers using immobilized cellulase. <i>Carbohydrate Polymers</i> , 2019, 205, 255-260.	10.2	67
4	Hydrogel surface modification of reverse osmosis membranes. <i>Journal of Membrane Science</i> , 2015, 476, 264-276.	8.2	63
5	Synthesis of hybrid paper sheets with enhanced air barrier and antimicrobial properties for food packaging. <i>Carbohydrate Polymers</i> , 2017, 168, 212-219.	10.2	48
6	Hydrophobically modified graphene oxide as a barrier and antibacterial agent for polystyrene packaging. <i>Journal of Materials Science</i> , 2020, 55, 4685-4700.	3.7	38
7	Hybridization of kaolinite by consecutive intercalation: Preparation and characterization of hyperbranched poly(amidoamine)â€“kaolinite nanocomposites. <i>Materials Chemistry and Physics</i> , 2010, 119, 546-552.	4.0	31
8	Photocatalytic activity of hyperbranched polyester/TiO ₂ nanocomposites. <i>Applied Catalysis A: General</i> , 2014, 472, 191-197.	4.3	31
9	Synergistic effect of zinc oxide nanorods on the photocatalytic performance and the biological activity of graphene nano sheets. <i>Heliyon</i> , 2020, 6, e03283.	3.2	31
10	Assisted Tip Sonication Approach for Graphene Synthesis in Aqueous Dispersion. <i>Biomedicines</i> , 2018, 6, 63.	3.2	30
11	Hyperbranched poly(amidoamine)/kaolinite nanocomposites: Structure and charge carrier dynamics. <i>Polymer</i> , 2017, 121, 64-74.	3.8	29
12	Relaxation dynamic and electrical mobility for poly(methyl methacrylate)â€“polyaniline composites. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45415.	2.6	27
13	Structureâ€“Property Relationships of Hyperbranched Polymer/Kaolinite Nanocomposites. <i>Macromolecules</i> , 2015, 48, 6562-6573.	4.8	24
14	Polyaniline and modified titanate nanowires layer-by-layer plastic electrode for flexible electronic device applications. <i>RSC Advances</i> , 2016, 6, 94556-94563.	3.6	23
15	Hydrogen storing and electrical properties of hyperbranched polymers-based nanoporous materials. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011, 176, 1184-1189.	3.5	16
16	Rational design of active packaging films based on polyaniline-coated polymethyl methacrylate/nanocellulose composites. <i>Polymer Bulletin</i> , 2020, 77, 2485-2499.	3.3	16
17	Morphology and electrical properties of hybrid and sulphonated oxalic acid-doped polyaniline. <i>Synthetic Metals</i> , 2010, 160, 1774-1779.	3.9	15
18	Dielectric study of polystyrene/polycaprolactone composites prepared by miniemulsion polymerization. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 119, 56-61.	4.0	15

#	ARTICLE	IF	CITATIONS
19	Utilization and characterization of cellulose nanocrystals decorated with silver and zinc oxide nanoparticles for removal of lead ion from wastewater. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100501.	2.9	14
20	Polystyrene/hydrophobic TiO ₂ nanobelts as a novel packaging material. <i>Polymer Bulletin</i> , 2015, 72, 2353-2362.	3.3	13
21	Investigation of water sorption, gas barrier and antimicrobial properties of polycaprolactone films contain modified graphene. <i>Journal of Materials Science</i> , 2021, 56, 497-512.	3.7	13
22	Epoxy resin reinforced with graphene derivatives: physical and dielectric properties. <i>Journal of Polymer Research</i> , 2022, 29, 1.	2.4	11
23	Silane- ϵ -functionalized graphene oxide/epoxy resin nanocomposites: Dielectric and thermal studies. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48253.	2.6	10
24	Poly phenylenediamine and its TiO ₂ composite as hydrogen storage material. <i>Materials Chemistry and Physics</i> , 2011, 128, 507-513.	4.0	8
25	Dielectric investigations and charge transport in PS-PAni composites with ionic and nonionic surfactants. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 133, 163-170.	4.0	8
26	Antifouling and antimicrobial polyethersulfone/hyperbranched polyester-amide/Ag composite. <i>RSC Advances</i> , 2020, 10, 24169-24175.	3.6	7
27	Dynamic processes and charge carriers transport in polyvinyl acetate- ϵ -polyaniline composites. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	6
28	Tuning a hydrophilic nanobelt's crystal lattice for interface-tailored nanocompositing with a hydrophobic polymer. <i>Journal of Materials Science</i> , 2014, 49, 7382-7390.	3.7	5
29	Immobilization of β -galactosidase on carrageenan gel via bio-inspired polydopamine coating. <i>Journal of Textiles Coloration and Polymer Science</i> , 2018, .	0.3	3
30	Assessment of Mechanical, Water Barrier and Anti-Microbial Properties of Paper Sheets Loaded with Hyperbranched Polyester/ Graphene Oxide Composite and Effect of FlaxSeed-Gel Coatings. <i>Egyptian Journal of Chemistry</i> , 2021, 64, 2-3.	0.2	0