

Meera Moydeen A

List of Publications by Year in descending order

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30
papers

922
citations

471509

17
h-index

454955

30
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30
all docs

30
docs citations

30
times ranked

1115
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of electrospun poly(vinyl alcohol)/dextran nanofibers via emulsion process as drug delivery system: Kinetics and in vitro release study. <i>International Journal of Biological Macromolecules</i> , 2018, 116, 1250-1259.	7.5	122
2	Preparation of biocompatible system based on electrospun CMC/PVA nanofibers as controlled release carrier of diclofenac sodium. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2016, 53, 566-573.	2.2	72
3	Green Electrospinning of Hydroxypropyl Cellulose Nanofibres for Drug Delivery Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 805-814.	0.9	62
4	Effective adsorption of Coomassie brilliant blue dye using poly(phenylene diamine)grafted electrospun carbon nanofibers as a novel adsorbent. <i>Materials Chemistry and Physics</i> , 2019, 234, 133-145.	4.0	62
5	Modified Electrospun Polymeric Nanofibers and Their Nanocomposites as Nanoadsorbents for Toxic Dye Removal from Contaminated Waters: A Review. <i>Polymers</i> , 2021, 13, 20.	4.5	59
6	Wound dressing properties of functionalized environmentally biopolymer loaded with selenium nanoparticles. <i>Journal of Molecular Structure</i> , 2021, 1225, 129138.	3.6	58
7	Synthesis and antibacterial of carboxymethyl starch-grafted poly(vinyl imidazole) against some plant pathogens. <i>International Journal of Biological Macromolecules</i> , 2015, 72, 1466-1472.	7.5	49
8	Removal of heavy metal using poly (N-vinylimidazole)-grafted-carboxymethylated starch. <i>International Journal of Biological Macromolecules</i> , 2014, 66, 289-294.	7.5	48
9	Fabrication of functionalized electrospun carbon nanofibers for enhancing lead-ion adsorption from aqueous solutions. <i>Scientific Reports</i> , 2019, 9, 19467.	3.3	44
10	Evaluation of clay-ionene nanocomposite carriers for controlled drug delivery: Synthesis, in vitro drug release, and kinetics. <i>Materials Chemistry and Physics</i> , 2019, 225, 122-132.	4.0	42
11	Synthesis of new morpholine - connected pyrazolidine derivatives and their antimicrobial, antioxidant, and cytotoxic activities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 66-71.	2.2	31
12	In Situ Preparation of Novel Porous Nanocomposite Hydrogel as Effective Adsorbent for the Removal of Cationic Dyes from Polluted Water. <i>Polymers</i> , 2020, 12, 3002.	4.5	31
13	Comparative study of structural, optical and electrical properties of electrochemically deposited Eu, Sm and Gd doped ZnSe thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 5638-5648.	2.2	30
14	Alkali-activated electrospun carbon nanofibers as an efficient bifunctional adsorbent for cationic and anionic dyes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 582, 123835.	4.7	29
15	Single-nozzle Core-shell Electrospun Nanofibers of PVP/Dextran as Drug Delivery System. <i>Fibers and Polymers</i> , 2019, 20, 2078-2089.	2.1	27
16	Development of Luminescent Solution Blown Spun Nanofibers from Recycled Polyester Waste Toward Dual-mode Fluorescent Photochromism. <i>Journal of Polymers and the Environment</i> , 2022, 30, 3483-3494.	5.0	26
17	Synthesis of lanthanide-doped strontium aluminate nanoparticles encapsulated in polyacrylonitrile nanofibres: photoluminescence properties for anticounterfeiting applications. <i>Luminescence</i> , 2022, 37, 40-50.	2.9	18
18	Efficient electrospun terpolymer nanofibers for the removal of cationic dyes from polluted waters: A non-linear isotherm and kinetic study. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105361.	6.7	15

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19	Immobilization of lanthanide doped aluminate phosphor onto recycled polyester toward the development of long-persistent photoluminescence smart window. <i>Luminescence</i> , 2022, 37, 610-621.	2.9	15
20	Synthesis of aminated electrospun carbon nanofibers and their application in removal of cationic dye. <i>Materials Research Bulletin</i> , 2020, 132, 111003.	5.2	12
21	Fabrication of biohybrid electrospun nanofibers for the eradication of wound infection and drug-resistant pathogens. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 609, 125691.	4.7	12
22	Facile coprecipitation synthesis of nickel doped copper oxide nanocomposite as electrocatalyst for methanol electrooxidation in alkaline solution. <i>Materials Research Express</i> , 2018, 5, 015512.	1.6	11
23	Tragacanth Gum Hydrogel-Derived Trimetallic Nanoparticles Supported on Porous Carbon Catalyst for Urea Electrooxidation. <i>Gels</i> , 2022, 8, 292.	4.5	10
24	Biocompatibility Computation of Muscle Cells on Polyhedral Oligomeric Silsesquioxane-Grafted Polyurethane Nanomatrix. <i>Nanomaterials</i> , 2021, 11, 2966.	4.1	9
25	Biocidal Polymers: Synthesis, Characterization and Antimicrobial Activity of Bis-Quaternary Onium Salts of Poly(aspartate-co-succinimide). <i>Polymers</i> , 2021, 13, 23.	4.5	8
26	Seawater Absorption and Adhesion Properties of Hydrophobic and Superhydrophobic Thermoset Epoxy Nanocomposite Coatings. <i>Nanomaterials</i> , 2021, 11, 272.	4.1	7
27	Effective synthesis of some novel pyrazolidine-3,5-dione derivatives via Mg(II) catalyzed in water medium and their anticancer and antimicrobial activities. <i>Molecular Diversity</i> , 2019, 23, 35-53.	3.9	5
28	Hybrid ZnO Flowers-Rods Nanostructure for Improved Photodetection Compared to Standalone Flowers and Rods. <i>Coatings</i> , 2021, 11, 1464.	2.6	4
29	Efficient Synthesis of Novel 3-Phenyl-5-thioxo-3,4,5,6-tetrahydroimidazo[4,5-c]pyrazole-2(1H)-carbothioamide Derivatives Using a CeO ₂ -MgO Catalyst and Evaluation of Antimicrobial Activity. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 3208-3219.	2.6	3
30	Fabrication, microstructure characterization, and degradation performance of electrospun mats based on poly(3-hydroxybutyrate-co-3-hydroxyvalerate)/polyethylene glycol blend for potential tissue engineering. <i>Luminescence</i> , 2022, 37, 323-331.	2.9	1