

Hossam E Emam

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83

papers

3,901

citations

46

h-index

61

g-index

87

ext. papers

4,742

ext. citations

6.4

avg, IF

6.93

L-index

#	Paper	IF	Citations
83	Polysaccharide-based metal nanoparticles 2022 , 375-413		1
82	Design of a dual pH and temperature responsive hydrogel based on esterified cellulose nanocrystals for potential drug release.. <i>Carbohydrate Polymers</i> , 2022 , 278, 118925	10.3	8
81	Anticancer effects of biosynthesized Cu ₂ O nanoparticles using marine yeast. <i>Biocatalysis and Agricultural Biotechnology</i> , 2022 , 39, 102261	4.2	1
80	Microwave assisted post-synthetic modification of IRMOF-3 and MIL-68-NH ₂ onto cotton for Fuel purification with computational explanation. <i>Surfaces and Interfaces</i> , 2022 , 101940	4.1	2
79	Full ultraviolet shielding potency of highly durable cotton via self- implantation of palladium nanoclusters. <i>Cellulose</i> , 2022 , 29, 4787-4804	5.5	1
78	Clustering of photoluminescent carbon quantum dots using biopolymers for biomedical applications. <i>Biocatalysis and Agricultural Biotechnology</i> , 2022 , 42, 102382	4.2	0
77	Modulation of metal organic framework hybrid cotton for efficacious sweeping of dyes and pesticides from wastewater. <i>Sustainable Materials and Technologies</i> , 2021 , e00366	5.3	5
76	Purification of soybean oil from diazinon insecticide by iron-based metal organic framework: Effect of geometrical shape and simulation study. <i>Journal of Molecular Structure</i> , 2021 , 1250, 131914	3.4	9
75	Macroporous Cu-MOF@cellulose acetate membrane serviceable in selective removal of dimethoate pesticide from wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105121	6.8	49
74	Durable fluorescent cotton textile by immobilization of unique tetrahydrothienoisoquinoline derivatives. <i>Cellulose</i> , 2021 , 28, 5937	5.5	12
73	Observable removal of pharmaceutical residues by highly porous photoactive cellulose acetate@MIL-MOF film. <i>Journal of Hazardous Materials</i> , 2021 , 414, 125509	12.8	46
72	Temperature-controlled-release of essential oil via reusable mesoporous composite of microcrystalline cellulose and zeolitic imidazole frameworks. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 94, 134-144	6.3	19
71	Overview for multimetallic nanostructures with biomedical, environmental and industrial applications. <i>Journal of Molecular Liquids</i> , 2021 , 321, 114669	6	9
70	Antitumor/antiviral carbon quantum dots based on carrageenan and pullulan. <i>International Journal of Biological Macromolecules</i> , 2021 , 170, 688-700	7.9	21
69	Potential military cotton textiles composed of carbon quantum dots clustered from 4(2,4-dichlorophenyl)-6-oxo-2-thioxohexahydropyrimidine-6-carbonitrile. <i>Cellulose</i> , 2021 , 28, 9991-10011	5.5	12
68	Melt intercalation technique for synthesis of hetero-metallic@chitin bio-composite as recyclable catalyst for prothiofos hydrolysis. <i>Carbohydrate Polymers</i> , 2021 , 266, 118163	10.3	9
67	Recyclable palladium based nano-catalytic laborer encaged within bio-granules for dye degradation. <i>Surfaces and Interfaces</i> , 2021 , 25, 101175	4.1	7

66	Controllable Release of Povidone-Iodine from Networked Pectin@Carboxymethyl Pullulan Hydrogel. <i>Polymers</i> , 2021 , 13,	4.5	6
65	Efficient elimination of chlorpyrifos via tailored macroporous membrane based on Al-MOF. <i>Sustainable Materials and Technologies</i> , 2021 , 29, e00326	5.3	10
64	Technical textiles modified with immobilized carbon dots synthesized with infrared assistance. <i>Journal of Colloid and Interface Science</i> , 2021 , 604, 15-29	9.3	13
63	Molecularly Imprinted Cellulose Sensor Strips for Selective Determination of Phenols in Aqueous Environment. <i>Fibers and Polymers</i> , 2020 , 21, 2195-2203	2	10
62	Protective Cotton Textiles via Amalgamation of Cross-Linked Zeolitic Imidazole Frameworks. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 10931-10944	3.9	71
61	Recyclable photocatalyst composites based on Ag ₃ VO ₄ and Ag ₂ WO ₄ @MOF@cotton for effective discoloration of dye in visible light. <i>Cellulose</i> , 2020 , 27, 7139-7155	5.5	57
60	Acacia gum versus pectin in fabrication of catalytically active palladium nanoparticles for dye discoloration. <i>International Journal of Biological Macromolecules</i> , 2020 , 156, 829-840	7.9	41
59	Employable metal (Ag & Pd)@MIL-125-NH@cellulose acetate film for visible-light driven photocatalysis for reduction of nitro-aromatics. <i>Carbohydrate Polymers</i> , 2020 , 247, 116695	10.3	72
58	Environmentally exploitable biocide/fluorescent metal marker carbon quantum dots.. <i>RSC Advances</i> , 2020 , 10, 42916-42929	3.7	14
57	Metal-dependent nano-catalysis in reduction of aromatic pollutants. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 6459-6475	5.1	17
56	Emerging Use of Homogenic and Heterogenic Nano-colloids Synthesized via Size-Controllable Technique in Catalytic Potency. <i>Journal of Polymers and the Environment</i> , 2020 , 28, 553-565	4.5	13
55	pH responsive intelligent nano-engineer of nanostructures applicable for discoloration of reactive dyes. <i>Journal of Colloid and Interface Science</i> , 2020 , 561, 147-161	9.3	53
54	Adsorptive Performance of MOFs and MOF Containing Composites for Clean Energy and Safe Environment. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104386	6.8	27
53	Seeded growth core-shell (Ag/AuPd) ternary nanostructure at room temperature for potential water treatment. <i>Polymer Testing</i> , 2020 , 89, 106720	4.5	26
52	Antimicrobial cellulosic textiles based on organic compounds. <i>3 Biotech</i> , 2019 , 9, 29	2.8	39
51	Non-invasive route for desulfurization of fuel using infrared-assisted MIL-53(Al)-NH containing fabric. <i>Journal of Colloid and Interface Science</i> , 2019 , 556, 193-205	9.3	60
50	Hydroxyethyl cellulose for spontaneous synthesis of antipathogenic nanostructures: (Ag & Au) nanoparticles versus Ag-Au nano-alloy. <i>International Journal of Biological Macromolecules</i> , 2019 , 128, 214-229	7.9	31
49	Refining of liquid fuel from N-Containing compounds via using designed Polysulfone@Metal organic framework composite film. <i>Journal of Cleaner Production</i> , 2019 , 218, 347-356	10.3	64

48	Design of ZIF(Co & Zn)@wool composite for efficient removal of pharmaceutical intermediate from wastewater. <i>Journal of Colloid and Interface Science</i> , 2019 , 552, 494-505	9.3	63
47	Synergistic catalysis of monometallic (Ag, Au, Pd) and bimetallic (Ag Au, Au Pd) versus trimetallic (Ag-Au-Pd) nanostructures effloresced via analogical techniques. <i>Journal of Molecular Liquids</i> , 2019 , 287, 110975	6	54
46	Comparative study between homo-metallic & hetero-metallic nanostructures based agar in catalytic degradation of dyes. <i>International Journal of Biological Macromolecules</i> , 2019 , 138, 450-461	7.9	44
45	Doping of silver vanadate and silver tungstate nanoparticles for enhancement the photocatalytic activity of MIL-125-NH ₂ in dye degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019 , 383, 111986	4.7	76
44	Investigation into the Role of Surface Modification of Cellulose Nanocrystals with Succinic Anhydride in Dye Removal. <i>Journal of Polymers and the Environment</i> , 2019 , 27, 2419-2427	4.5	27
43	Arabic Gum as Bio-Synthesizer for Ag/Au Bimetallic Nanocomposite Using Seed-Mediated Growth Technique and Its Biological Efficacy. <i>Journal of Polymers and the Environment</i> , 2019 , 27, 210-223	4.5	50
42	Generic strategies for functionalization of cellulosic textiles with metal salts. <i>Cellulose</i> , 2019 , 26, 1431-1447	4.7	56
41	Nanosilver leverage on reactive dyeing of cellulose fibers: Color shading, color fastness and biocidal potentials. <i>Carbohydrate Polymers</i> , 2018 , 186, 310-320	10.3	62
40	Carboxymethyl cellulose macromolecules as generator of anisotropic nanogold for catalytic performance. <i>International Journal of Biological Macromolecules</i> , 2018 , 111, 999-1009	7.9	50
39	In-growth metal organic framework/synthetic hybrids as antimicrobial fabrics and its toxicity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 165, 219-228	6	83
38	Cationization of cellulose fibers in respect of liquid fuel purification. <i>Journal of Cleaner Production</i> , 2018 , 178, 457-467	10.3	53
37	Figuration of Zr-based MOF@cotton fabric composite for potential kidney application. <i>Carbohydrate Polymers</i> , 2018 , 195, 460-467	10.3	79
36	Sono-chemical synthesis of cellulose nanocrystals from wood sawdust using Acid hydrolysis. <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 1599-1606	7.9	74
35	Self-cleaned photoluminescent viscose fabric incorporated lanthanide-organic framework (Ln-MOF). <i>Dyes and Pigments</i> , 2018 , 159, 491-498	4.6	116
34	Applicable Strategy for Removing Liquid Fuel Nitrogenated Contaminants Using MIL-53-NH ₂ @Natural Fabric Composites. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 15054-15065	3.9	67
33	Efficient removal of organophosphorus pesticides from wastewater using polyethylenimine-modified fabrics. <i>Polymer</i> , 2018 , 155, 225-234	3.9	63
32	Green technology for durable finishing of viscose fibers via self-formation of AuNPs. <i>International Journal of Biological Macromolecules</i> , 2017 , 96, 697-705	7.9	52
31	In-situ deposition of CuO micro-needles for biologically active textiles and their release properties. <i>Carbohydrate Polymers</i> , 2017 , 165, 255-265	10.3	69

30	One-pot fabrication of AgNPs, AuNPs and Ag-Au nano-alloy using cellulosic solid support for catalytic reduction application. <i>Carbohydrate Polymers</i> , 2017 , 166, 1-13	10.3	75
29	Influence of silver nanoparticles on the fabrics functions prepared by in-situ technique. <i>Journal of the Textile Institute</i> , 2017 , 108, 1828-1839	1.5	23
28	Cu-BTC metal-organic framework natural fabric composites for fuel purification. <i>Fuel Processing Technology</i> , 2017 , 159, 306-312	7.2	70
27	In-situ modification of natural fabrics by Cu-BTC MOF for effective release of insect repellent (N,N-diethyl-3-methylbenzamide). <i>Journal of Porous Materials</i> , 2017 , 24, 1175-1185	2.4	52
26	Generation of biocompatible nanogold using H ₂ O ₂ /starch and their catalytic/antimicrobial activities. <i>European Polymer Journal</i> , 2017 , 90, 354-367	5.2	52
25	Self-assembled AuNPs for ingrain pigmentation of silk fabrics with antibacterial potency. <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 720-729	7.9	61
24	Anti-UV Radiation Textiles Designed by Embracing with Nano-MIL (Ti, In)-Metal Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 28034-28045	9.5	114
23	Modified Rice Straw as a Template in Syntheses of Nano TiO ₂ Loaded on Wool Fibers for Wastewater Treatment. <i>Journal of Natural Fibers</i> , 2017 , 14, 297-309	1.8	7
22	Polysaccharides templates for assembly of nanosilver. <i>Carbohydrate Polymers</i> , 2016 , 135, 300-7	10.3	92
21	Green-assisted tool for nanogold synthesis based on alginate as a biological macromolecule. <i>RSC Advances</i> , 2016 , 6, 73974-73985	3.7	42
20	Large scaled strategy for natural/synthetic fabrics functionalization via immediate assembly of AgNPs. <i>Dyes and Pigments</i> , 2016 , 133, 173-183	4.6	65
19	Heatless synthesis of well dispersible Au nanoparticles using pectin biopolymer. <i>International Journal of Biological Macromolecules</i> , 2016 , 91, 208-19	7.9	51
18	Instantly AgNPs deposition through facile solventless technique for poly-functional cotton fabrics. <i>International Journal of Biological Macromolecules</i> , 2016 , 84, 308-18	7.9	62
17	CuBTC@cotton composite: design and removal of ethion insecticide from water. <i>RSC Advances</i> , 2016 , 6, 42324-42333	3.7	106
16	Layer by layer assembly of nanosilver for high performance cotton fabrics. <i>Fibers and Polymers</i> , 2016 , 17, 418-426	2	71
15	Functionalization of medical cotton by direct incorporation of silver nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2015 , 78, 249-56	7.9	80
14	Multi-functional textile design using in-situ Ag NPs incorporation into natural fabric matrix. <i>Dyes and Pigments</i> , 2015 , 118, 9-17	4.6	93
13	Room temperature synthesis of metallic nanosilver using acacia to impart durable biocidal effect on cotton fabrics. <i>Fibers and Polymers</i> , 2015 , 16, 1676-1687	2	46

12	Cotton fabrics with UV blocking properties through metal salts deposition. <i>Applied Surface Science</i> , 2015 , 357, 1878-1889	6.7	85
11	Ag(0) nanoparticles containing cotton fabric: Synthesis, characterization, color data and antibacterial action. <i>International Journal of Biological Macromolecules</i> , 2015 , 75, 106-14	7.9	57
10	Merely Ag nanoparticles using different cellulose fibers as removable reductant. <i>Cellulose</i> , 2014 , 21, 4219-4230	5.5	57
9	Copper(I)oxide surface modified cellulose fibersSynthesis, characterization and antimicrobial properties. <i>Surface and Coatings Technology</i> , 2014 , 254, 344-351	4.4	71
8	Production of antibacterial colored viscose fibers using in situ prepared spherical Ag nanoparticles. <i>Carbohydrate Polymers</i> , 2014 , 110, 148-55	10.3	96
7	Treatments to impart antimicrobial activity to clothing and household cellulosic-textiles [why NanoSilver?]. <i>Journal of Cleaner Production</i> , 2013 , 39, 17-23	10.3	79
6	Ion-interactions as driving force in polysaccharide assembly. <i>Carbohydrate Polymers</i> , 2013 , 93, 316-23	10.3	26
5	Copper inclusion in cellulose using sodium D-gluconate complexes. <i>Carbohydrate Polymers</i> , 2012 , 90, 1345-52	10.3	28
4	Carboxymethyl cellulose for green synthesis and stabilization of silver nanoparticles. <i>Carbohydrate Polymers</i> , 2010 , 82, 933-941	10.3	201
3	Preparation and characterization of water soluble poly(acrylic acid)hydroxypropyl cellulose composite. <i>Carbohydrate Polymers</i> , 2008 , 74, 783-786	10.3	23
2	Utilization of hydroxypropyl cellulose and poly(acrylic acid)-hydroxypropyl cellulose composite as thickeners for textile printing. <i>Carbohydrate Polymers</i> , 2008 , 74, 938-941	10.3	39
1	Functionalization of Unbleached Flax Fibers by Direct Integration of Nano-silver through Internal and External Reduction. <i>Fibers and Polymers</i> , 1	2	4