

Hossam E Emam

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5035120/hossam-e-emam-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Carboxymethyl cellulose for green synthesis and stabilization of silver nanoparticles. <i>Carbohydrate Polymers</i> , 2010 , 82, 933-941	10.3	201
82	Self-cleaned photoluminescent viscose fabric incorporated lanthanide-organic framework (Ln-MOF). <i>Dyes and Pigments</i> , 2018 , 159, 491-498	4.6	116
81	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
80	CuBTC@cotton composite: design and removal of ethion insecticide from water. <i>RSC Advances</i> , 2016 , 6, 42324-42333	3.7	106
79	Production of antibacterial colored viscose fibers using in situ prepared spherical Ag nanoparticles. <i>Carbohydrate Polymers</i> , 2014 , 110, 148-55	10.3	96
78	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
77	Polysaccharides templates for assembly of nanosilver. <i>Carbohydrate Polymers</i> , 2016 , 135, 300-7	10.3	92
76	Cotton fabrics with UV blocking properties through metal salts deposition. <i>Applied Surface Science</i> , 2015 , 357, 1878-1889	6.7	85
75	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
74	Functionalization of medical cotton by direct incorporation of silver nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2015 , 78, 249-56	7.9	80
73	Figuration of Zr-based MOF@cotton fabric composite for potential kidney application. <i>Carbohydrate Polymers</i> , 2018 , 195, 460-467	10.3	79
72	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
71	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
70	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
69	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
68	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
67	Protective Cotton Textiles via Amalgamation of Cross-Linked Zeolitic Imidazole Frameworks. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 10931-10944	3.9	71

66	Copper(I)oxide surface modified cellulose fibersSynthesis, characterization and antimicrobial properties. <i>Surface and Coatings Technology</i> , 2014 , 254, 344-351	4.4	71
65	Layer by layer assembly of nanosilver for high performance cotton fabrics. <i>Fibers and Polymers</i> , 2016 , 17, 418-426	2	71
64	Cu-BTC metal-organic framework natural fabric composites for fuel purification. <i>Fuel Processing Technology</i> , 2017 , 159, 306-312	7.2	70
63	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
62	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
61	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
60	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
59	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
58	Efficient removal of organophosphorus pesticides from wastewater using polyethylenimine-modified fabrics. <i>Polymer</i> , 2018 , 155, 225-234	3.9	63
57	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
56	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
55	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
54	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
53	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
52	Merely Ag nanoparticles using different cellulose fibers as removable reductant. <i>Cellulose</i> , 2014 , 21, 4219-4230	5.5	57
51	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
50	Generic strategies for functionalization of cellulosic textiles with metal salts. <i>Cellulose</i> , 2019 , 26, 1431-1447	3.5	56
49	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

48	Cationization of cellulose fibers in respect of liquid fuel purification. <i>Journal of Cleaner Production</i> , 2018 , 178, 457-467	10.3	53
47	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
46	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
45	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
44	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
43	Heatless synthesis of well dispersible Au nanoparticles using pectin biopolymer. <i>International Journal of Biological Macromolecules</i> , 2016 , 91, 208-19	7.9	51
42	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
41	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
40	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
39	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
38	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
37	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
36	Green-assisted tool for nanogold synthesis based on alginate as a biological macromolecule. <i>RSC Advances</i> , 2016 , 6, 73974-73985	3.7	42
35	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
34	Antimicrobial cellulosic textiles based on organic compounds. <i>3 Biotech</i> , 2019 , 9, 29	2.8	39
33	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
32	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
31	Copper inclusion in cellulose using sodium D-gluconate complexes. <i>Carbohydrate Polymers</i> , 2012 , 90, 1345-52	10.3	28

30	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
29	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
28	Ion-interactions as driving force in polysaccharide assembly. <i>Carbohydrate Polymers</i> , 2013 , 93, 316-23	10.3	26
27	Seeded growth core-shell (Ag@Au@Pd) ternary nanostructure at room temperature for potential water treatment. <i>Polymer Testing</i> , 2020 , 89, 106720	4.5	26
26	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
25	Preparation and characterization of water soluble poly(acrylic acid)/hydroxypropyl cellulose composite. <i>Carbohydrate Polymers</i> , 2008 , 74, 783-786	10.3	23
24	Antitumor/antiviral carbon quantum dots based on carrageenan and pullulan. <i>International Journal of Biological Macromolecules</i> , 2021 , 170, 688-700	7.9	21
23	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
22	Metal-dependent nano-catalysis in reduction of aromatic pollutants. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 6459-6475	5.1	17
21	Environmentally exploitable biocide/fluorescent metal marker carbon quantum dots.. <i>RSC Advances</i> , 2020 , 10, 42916-42929	3.7	14
20	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
19	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
18	Durable fluorescent cotton textile by immobilization of unique tetrahydrothienoisoquinoline derivatives. <i>Cellulose</i> , 2021 , 28, 5937	5.5	12
17	Potential military cotton textiles composed of carbon quantum dots clustered from 4(2,4-dichlorophenyl)-6-oxo-2-thioxohexahydropyrimidine-carbonitrile. <i>Cellulose</i> , 2021 , 28, 9991-10011	5.5	12
16	Molecularly Imprinted Cellulose Sensor Strips for Selective Determination of Phenols in Aqueous Environment. <i>Fibers and Polymers</i> , 2020 , 21, 2195-2203	2	10
15	Efficient elimination of chlorpyrifos via tailored macroporous membrane based on Al-MOF. <i>Sustainable Materials and Technologies</i> , 2021 , 29, e00326	5.3	10
14	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
13	Overview for multimetallic nanostructures with biomedical, environmental and industrial applications. <i>Journal of Molecular Liquids</i> , 2021 , 321, 114669	6	9

12	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
11	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
10	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
9	Recyclable palladium based nano-catalytic laborer encaged within bio-granules for dye degradation. <i>Surfaces and Interfaces</i> , 2021 , 25, 101175	4.1	7
8	Controllable Release of Povidone-Iodine from Networked Pectin@Carboxymethyl Pullulan Hydrogel. <i>Polymers</i> , 2021 , 13,	4.5	6
7	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
6	Functionalization of Unbleached Flax Fibers by Direct Integration of Nano-silver through Internal and External Reduction. <i>Fibers and Polymers</i> ,1	2	4
5	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
4	Polysaccharide-based metal nanoparticles 2022 , 375-413		1
3	Anticancer effects of biosynthesized Cu ₂ O nanoparticles using marine yeast. <i>Biocatalysis and Agricultural Biotechnology</i> , 2022 , 39, 102261	4.2	1
2	Full ultraviolet shielding potency of highly durable cotton via self- implantation of palladium nanoclusters. <i>Cellulose</i> , 2022 , 29, 4787-4804	5.5	1
1	Clustering of photoluminescent carbon quantum dots using biopolymers for biomedical applications. <i>Biocatalysis and Agricultural Biotechnology</i> , 2022 , 42, 102382	4.2	0