

# Sakil Mahmud

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

1,882  
citations

218677

26  
h-index

276875

41  
g-index

58  
all docs

58  
docs citations

58  
times ranked

1108  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimicrobial performance of silver-copper-zeolite microparticle-treated organic cotton fabric using versatile methods. <i>Surface Innovations</i> , 2023, 11, 223-230.	2.3	18
2	Bioreduction and Stabilization of Antibacterial Nanosilver Using Radix Lithospermi Phytonutrients for Azo-contaminated Wastewater Treatment: Synthesis, Optimization and Characterization. <i>Journal of Cluster Science</i> , 2023, 34, 1141-1155.	3.3	8
3	Bioreduction (Ag <sup>+</sup> to Ag <sup>0</sup> ) and stabilization of silver nanocatalyst using hyaluronate biopolymer for azo-contaminated wastewater treatment. <i>Journal of Alloys and Compounds</i> , 2022, 894, 162502.	5.5	24
4	Potocatalytic antifouling membrane with dense nano-TiO <sub>2</sub> coating for efficient oil-in-water emulsion separation and self-cleaning. <i>Journal of Membrane Science</i> , 2022, 645, 120204.	8.2	41
5	Eco-friendly dyeing and finishing of organic cotton fabric using natural dye (gardenia yellow) reduced-stabilized nanosilver: full factorial design. <i>Cellulose</i> , 2022, 29, 2663-2679.	4.9	40
6	Enhancing mechanical and antibacterial performances of organic cotton materials with greenly synthesized colored silver nanoparticles. <i>International Journal of Clothing Science and Technology</i> , 2022, 34, 549-565.	1.1	16
7	Recent Developments of Tin (II) Sulfide/Carbon Composites for Achieving High-Performance Lithium Ion Batteries: A Critical Review. <i>Nanomaterials</i> , 2022, 12, 1246.	4.1	8
8	Ingenious synthesis of chitosan-based porous carbon supercapacitors with large specific area by a small amount of potassium hydroxide. <i>Journal of Energy Storage</i> , 2022, 51, 104341.	8.1	27
9	One-step carbonization strategy of freeze-dried chitosan to prepare Nitrogen-Oxygen co-doped porous carbon supercapacitors with ultra-large specific surface area. <i>Fuel</i> , 2022, 320, 124002.	6.4	27
10	Controlled synthesis of silver/silver chloride composite crystals from [AgCl <sub>2</sub> ]- complex and its photocatalysis properties on organic pollutants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 647, 128984.	4.7	6
11	Construction of anti-counterfeiting pattern on the cellulose film by in-situ regulation strategies. <i>Cellulose</i> , 2022, 29, 7751-7760.	4.9	3
12	Wool functionalization through AgNPs: coloration, antibacterial and wastewater treatment. <i>Surface Innovations</i> , 2021, 9, 25-36.	2.3	53
13	Electrospun PVDF-Ag@AgCl porous fiber membrane: stable antifoul and antibacterial surface. <i>Surface Innovations</i> , 2021, 9, 156-165.	2.3	18
14	Konjac glucomannan reduced-stabilized silver nanoparticles for mono-azo and di-azo contained wastewater treatment. <i>Inorganica Chimica Acta</i> , 2021, 515, 120058.	2.4	40
15	Comprehensive review on plant fiber-reinforced polymeric biocomposites. <i>Journal of Materials Science</i> , 2021, 56, 7231-7264.	3.7	122
16	Bioreduction (Au <sup>III</sup> to Au <sup>0</sup> ) and stabilization of gold nanocatalyst using Kappa carrageenan for degradation of azo dyes. <i>International Journal of Biological Macromolecules</i> , 2021, 176, 282-290.	7.5	20
17	Kappa carrageenan reduced-stabilized colloidal silver nanoparticles for the degradation of toxic azo compounds. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 616, 126325.	4.7	24
18	Sodium alginate fasten cellulose nanocrystal Ag@AgCl ternary nanocomposites for the synthesis of antibacterial hydrogels. <i>Composites Communications</i> , 2021, 25, 100717.	6.3	35

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19	Green synthesis of Konjac glucomannan templated palladium nanoparticles for catalytic reduction of azo compounds and hexavalent chromium. <i>Materials Chemistry and Physics</i> , 2021, 267, 124651.	4.0	31
20	Bio-based Epoxy Thermoset Containing Stilbene Structure with Ultrahigh Tg and Excellent Flame Retardancy. <i>Polymer</i> , 2021, 45, 581-591.	0.2	3
21	One-pot green synthesis of Ag@AgCl nanoparticles with excellent photocatalytic performance. <i>Surface Innovations</i> , 2021, 9, 277-284.	2.3	20
22	Alginate/gelatin mineralized hydrogel modified by multilayers electrospun membrane of cellulose: Preparation, properties and in-vitro degradation. <i>Polymer Degradation and Stability</i> , 2021, 192, 109685.	5.8	12
23	Hyaluronate macromolecules reduced-stabilized colloidal palladium nanocatalyst for azo contaminated wastewater treatment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 628, 127345.	4.7	17
24	Hierarchically superhydrophilic poly(vinylidene fluoride) membrane with self-cleaning fabricated by surface mineralization for stable separation of oily wastewater. <i>Journal of Membrane Science</i> , 2021, 640, 119864.	8.2	60
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37	Bio-synthesized palladium nanoparticles using alginate for catalytic degradation of azo-dyes. Chinese Journal of Chemical Engineering, 2020, 28, 1334-1343.	3.5	73
38	Fabrication of natural cellulose films with pattern by viscosity regulation of its solution. Cellulose, 2020, 27, 3947-3956.	4.9	4
39	Hierarchical poly(vinylidene fluoride)/active carbon composite membrane with self-confining functional carbon nanotube layer for intractable wastewater remediation. Journal of Membrane Science, 2020, 603, 118041.	8.2	32
40	Graphene oxide modified membrane for highly efficient wastewater treatment by dynamic combination of nanofiltration and catalysis. Journal of Hazardous Materials, 2020, 397, 122774.	12.4	67
41	Waste Cellulose Fibers Reinforced Polylactide Toughened by Direct Blending of Epoxidized Soybean Oil. Fibers and Polymers, 2020, 21, 2949-2961.	2.1	11
42	Colorful and antibacterial nylon fabric via in-situ biosynthesis of chitosan mediated nanosilver. Journal of Materials Research and Technology, 2020, 9, 16135-16145.	5.8	53
43	Toughening polylactide by direct blending of cellulose nanocrystals and epoxidized soybean oil. Journal of Applied Polymer Science, 2019, 136, 48221.	2.6	30
44	New insight into the mechanism for the excellent gas properties of poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (2,5-fura 642-650.	5.4	76
45	A Novel Coloration of Polyester Fabric through Green Silver Nanoparticles (G-AgNPs@PET). Nanomaterials, 2019, 9, 569.	4.1	74
46	Green synthesis of glycerol monostearate-modified cationic waterborne polyurethane. Emerging Materials Research, 2019, 8, 137-147.	0.7	9
47	Biobased Amorphous Polyesters with High $T_g$ : Trade-Off between Rigid and Flexible Cyclic Diols. ACS Sustainable Chemistry and Engineering, 2019, 7, 6401-6411.	6.7	53
48	In situ synthesis of green AgNPs on ramie fabric with functional and catalytic properties. Emerging Materials Research, 2019, 8, 623-633.	0.7	45
49	The Consequence of Epoxidized Soybean Oil in the Toughening of Polylactide and Micro-Fibrillated Cellulose Blend. Polymer Science - Series A, 2019, 61, 832-846.	1.0	11
50	UV Protection and Antibacterial Treatment of Wool using Green Silver Nanoparticles. Asian Journal of Chemistry, 2018, 30, 116-122.	0.3	17
51	High-Performing and Fire-Resistant Biobased Epoxy Resin from Renewable Sources. ACS Sustainable Chemistry and Engineering, 2018, 6, 7589-7599.	6.7	154
52	Eco-friendly coloration of linen to ameliorate its practical approach. MATEC Web of Conferences, 2017, 108, 03002.	0.2	3
53	Surface Functionalization of $\alpha$ -Rajshahi Silk-Using Green Silver Nanoparticles. Fibers, 2017, 5, 35.	4.0	53
54	Macadamia integrifolia: A New Source of Natural Dyes for Textile Colouration. Asian Journal of Chemistry, 2017, 29, 1543-1548.	0.3	10

#	ARTICLE	IF	CITATIONS
55	Wool Functionalization by Using Green Synthesized Silver Nanoparticles. Oriental Journal of Chemistry, 2017, 33, 2198-2208.	0.3	21
56	Fabrication and stabilization of nanosilver using Houttugniae for antibacterial and catalytic application. International Journal of Environmental Analytical Chemistry, 0, , 1-21.	3.3	5