Shakeel Ahmed

List of Publications by Citations

49 papers	4,004 citations	18 h-index	57 g-index
57 ext. papers	4,751 ext. citations	5.1 avg, IF	6.46 L-index

#	Paper	IF	Citations
49	A review on plants extract mediated synthesis of silver nanoparticles for antimicrobial applications: A green expertise. *Journal of Advanced Research*, **2016**, 7, 17-28	13	1416
48	A review on chitosan and its nanocomposites in drug delivery. *International Journal of Biological Macromolecules*, **2018**, 109, 273-286	7.9	548
47	Green synthesis of silver nanoparticles using Azadirachta indica aqueous leaf extractPeer review under responsibility of The Egyptian Society of Radiation Sciences and Applications.View all notes. *Journal of Radiation Research and Applied Sciences*, **2016**, 9, 1-7	1.5	536
46	A review on biogenic synthesis of ZnO nanoparticles using plant extracts and microbes: A prospect towards green chemistry. *Journal of Photochemistry and Photobiology B: Biology*, **2017**, 166, 272-284	6.7	268
45	Chitosan Based Scaffolds and Their Applications in Wound Healing. *Achievements in the Life Sciences*, **2016**, 10, 27-37		224
44	Biosynthesis of gold nanoparticles: A green approach. *Journal of Photochemistry and Photobiology B: Biology*, **2016**, 161, 141-53	6.7	201
43	A review on chitosan centred scaffolds and their applications in tissue engineering. *International Journal of Biological Macromolecules*, **2018**, 116, 849-862	7.9	133
42	Recent Advances in Edible Polymer Based Hydrogels as a Sustainable Alternative to Conventional Polymers. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 6940-6967	5.7	119
41	Fe(III)–Sn(IV) mixed binary oxide-coated sand preparation and its use for the removal of As(III) and As(V) from water: Application of isotherm, kinetic and thermodynamics. *Journal of Molecular Liquids*, **2016**, 224, 431-441	6	73
40	Chitosan and gelatin based biodegradable packaging films with UV-light protection. *Journal of Photochemistry and Photobiology B: Biology*, **2016**, 163, 115-24	6.7	69
39	Preparation and characterization of antibacterial thiosemicarbazide chitosan as efficient Cu(II) adsorbent. *Carbohydrate Polymers*, **2015**, 132, 164-72	10.3	67
38	Fruit waste (peel) as bio-reductant to synthesize silver nanoparticles with antimicrobial, antioxidant and cytotoxic activities. *Journal of Applied Biomedicine*, **2018**, 16, 221-231	0.6	54
37	Chitosan Applications for the Food Industry **2017**, 183-232		45
36	Evaluation of the antioxidant, antibacterial and anticancer (lung cancer cell line A549) activity of mediated silver nanoparticles. *Toxicology Research*, **2018**, 7, 923-930	2.6	31
35	Silver Nanoparticles: One Pot Green Synthesis Using Terminalia arjuna Extract for Biological Application. *Journal of Nanomedicine & Nanotechnology*, **2015**, 06,	1.9	24
34	**2017**,		24
33	Molecularly imprinted polymers for food applications: A review. *Trends in Food Science and Technology*, **2021**, 111, 642-669	15.3	19

32	Chitosan Based Dressings for Wound Care **2015**, 01,		18
31	Synthesis of Silver Nanoparticles Using Leaf Extract of Crotolaria retusa as Antimicrobial Green Catalyst. *Journal of Bionanoscience*, **2016**, 10, 282-287		16
30	Green Synthesis of Metal, Metal Oxide Nanoparticles, and Their Various Applications **2018**, 1-45		15
29	Green and Sustainable Textile Materials Using Natural Resources **2018**, 213-261		14
28	Potential biodegradable face mask to counter environmental impact of Covid-19. *Cleaner Engineering and Technology*, **2021**, 4, 100218	2.7	13
27	One-Step Method for Formation of Silver Nanoparticles Using Withania somnifera Extract for Antimicrobial Activities. *Journal of Bionanoscience*, **2016**, 10, 47-53		11
26	Green Synthesis of Metallic Nanoparticles Using Biopolymers and Plant Extracts **2018**, 293-319		7
25	Synthesis and characterization of terepthalaldehyde thiocarbohydrazide polymer doped with Cu(II) and Zn(II) Metal ions for solar cell applications. *Optik*, **2016**, 127, 4329-4332	2.5	6
24	Chitin and Chitosan: History, Composition and Properties **2017**, 1-24		5
23	Eco-friendly natural extract loaded antioxidative chitosan/polyvinyl alcohol based active films for food packaging. *Heliyon*, **2021**, 7, e06550	3.6	5
22	Handbook of Biopolymers		4
21	Biocomposites		4
20	Silver ferrite and cobalt ferrite dispersed castor oil polyurethane nanocomposites: Quenching studies of bovine serum albumin. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2018**, 67, 925-933	3	4
19	Chitosan-Based Polymer Electrolyte Membranes for Fuel Cell Applications **2017**, 381-398		3
18	Chitosan Based Nanomaterials for Biomedical Applications **2018**, 543-562		3
17	Green synthesis of chitosan/nanosilver hybrid bionanocomposites with promising antimicrobial, antioxidant and anticervical cancer activity. *Polymers and Polymer Composites*,096739112199397	0.8	3
16	Green Synthesis of Silver Nanoparticles for Biomedical and Environmental Applications **2018**, 287-439		3
15	Green Synthesis of Metal, Metal Oxide Nanoparticles, and Their Various Applications **2019**, 2281-2325		2

14	Production of Chitin, Chitosan, and Chitooligosaccharide from Shrimp and Crab Shells Using Green Technology and Applications of Their Composite Materials **2017**, 89-113		2
13	Zeolites for food applications: A review. *Food Bioscience*, **2022**, 46, 101577	4.9	2
12	Physicochemical Characterization of Gluteraldehyde Crosslinked Chitosan-Gelatin Films. *Materials Focus*, **2016**, 5, 165-170		2
11	Carrageenans: Structure, Properties and Applications **2018**, 29-52		2
10	Eco-Friendly Noble Metal Nanoparticles for Therapeutic Applications: Present and Future Scenario **2018**, 629-665		2
9	Chitosan in Water Purification Technology **2018**, 111-123		2
8	Development of Hydrogels from Edible Polymers **2018**, 551-589		1
7	Overview on Recycling from Waste in Fashion and Textiles **2020**, 1-18		1
6	Phytomediated Synthesis of Cerium Oxide Nanoparticles and Their Applications **2019**, 261-284		1
5	Advanced green materials: An overview **2021**, 1-13		0
4	Green Engineered Functional Textile Materials **2018**, 263-287		0
3	Composites: Types, Method of Preparation and Application as An Emerging Tool for Environmental Remediation **2019**, 1-31		
2	Introduction to Nanotechnology-Enhanced Food Packaging Industry **2022**, 1-17		
1	Physical and chemical modification of chitosan-based green materials **2021**, 379-397		