

Santosh Kumar

List of Publications by Year in descending order

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17
papers

1,748
citations

567281

15
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

2026
citing authors

#	ARTICLE	IF	CITATIONS
1	Chitosan based nanocomposite films and coatings: Emerging antimicrobial food packaging alternatives. Trends in Food Science and Technology, 2020, 97, 196-209.	15.1	463
2	Biodegradable hybrid nanocomposites of chitosan/gelatin and silver nanoparticles for active food packaging applications. Food Packaging and Shelf Life, 2018, 16, 178-184.	7.5	247
3	A novel green synthesis of silver nanoparticles and their catalytic action in reduction of Methylene Blue dye. Sustainable Environment Research, 2017, 27, 245-250.	4.2	205
4	Bionanocomposite films of agar incorporated with ZnO nanoparticles as an active packaging material for shelf life extension of green grape. Heliyon, 2019, 5, e01867.	3.2	143
5	Chitosan Nanocomposite Coatings for Food, Paints, and Water Treatment Applications. Applied Sciences (Switzerland), 2019, 9, 2409.	2.5	113
6	Biodegradable Hybrid Nanocomposite of Chitosan/Gelatin and Green Synthesized Zinc Oxide Nanoparticles for Food Packaging. Foods, 2020, 9, 1143.	4.3	96
7	Biopolymer-based nanocomposite films and coatings: recent advances in shelf-life improvement of fruits and vegetables. Critical Reviews in Food Science and Nutrition, 2022, 62, 1912-1935.	10.3	89
8	Role of biogenic silver nanoparticles in disruption of cell-cell adhesion in Staphylococcus aureus and Escherichia coli biofilm. Journal of Industrial and Engineering Chemistry, 2015, 26, 73-80.	5.8	88
9	Anti-biofilm activity and food packaging application of room temperature solution process based polyethylene glycol capped Ag-ZnO-graphene nanocomposite. Materials Science and Engineering C, 2018, 91, 743-753.	7.3	75
10	Lagerstroemia speciosa fruit-mediated synthesis of silver nanoparticles and its application as filler in agar based nanocomposite films for antimicrobial food packaging. Food Packaging and Shelf Life, 2018, 17, 99-106.	7.5	63
11	Mechanistic study of antibacterial activity of biologically synthesized silver nanocolloids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 449, 82-86.	4.7	47
12	Centella asiatica leaf mediated synthesis of silver nanocolloid and its application as filler in gelatin based antimicrobial nanocomposite film. LWT - Food Science and Technology, 2017, 75, 293-300.	5.2	41
13	Plant latex capped colloidal silver nanoparticles: A potent anti-biofilm and fungicidal formulation. Journal of Molecular Liquids, 2017, 230, 705-713.	4.9	26
14	Fruit extract capped colloidal silver nanoparticles and their application in reduction of methylene blue dye. Biocatalysis and Biotransformation, 2019, 37, 183-189.	2.0	18
15	Antimicrobial activity of green silver nanoparticles produced using aqueous leaf extract of Hydrocotyle rotundifolia. Oriental Pharmacy and Experimental Medicine, 2016, 16, 195-201.	1.2	17
16	Lippia javanica: a cheap natural source for the synthesis of antibacterial silver nanocolloid. Applied Nanoscience (Switzerland), 2016, 6, 1001-1007.	3.1	15
17	One pot phytosynthesis of gold nanoparticles using aqueous extract of elephant apple- an eco-friendly approach. Oriental Pharmacy and Experimental Medicine, 2017, 17, 285-289.	1.2	2