Thandapani Gomathi

List of Publications by Year in Descending Order

42 papers	1,438 citations	23 h-index	37 g-index
48 ext. papers	1,819 ext. citations	5.3 avg, IF	5.04 L-index

#	Paper	IF	Citations
42	Removal of Copper(II) Ion using Nanochitosan/Carboxymethyl Cellulose/Grapheme Oxide Composite Biosorbent. *Asian Journal of Chemistry*, **2022**, 34, 1465-1471	0.4	
41	Yttrium Oxide Nanoparticle Synthesis: An Overview of Methods of Preparation and Biomedical Applications. *Applied Sciences (Switzerland)*, **2021**, 11, 2172	2.6	24
40	Batch adsorption studies on surface tailored chitosan/orange peel hydrogel composite for the removal of Cr(VI) and Cu(II) ions from synthetic wastewater. *Chemosphere*, **2021**, 271, 129415	8.4	39
39	Cadmium(II) ion removal from aqueous solution using chitosan oligosaccharide-based blend. *Polymer Bulletin*, **2021**, 78, 1109-1132	2.4	2
38	Nanochitosan/carboxymethyl cellulose/TiO biocomposite for visible-light-induced photocatalytic degradation of crystal violet dye. *Environmental Research*, **2021**, 204, 112047	7.9	11
37	Current Use of Carbon-Based Materials for Biomedical Applications: A Prospective and Review. *Processes*, **2020**, 8, 355	2.9	23
36	Toxic heavy metal cadmium removal using chitosan and polypropylene based fiber composite. *International Journal of Biological Macromolecules*, **2020**, 164, 1809-1824	7.9	13
35	Banana fiber Cellulose Nano Crystals grafted with butyl acrylate for heavy metal lead (II) removal. *International Journal of Biological Macromolecules*, **2019**, 131, 461-472	7.9	22
34	Synthesis, characterization and pharmacological potential of green synthesized copper nanoparticles. *Bioprocess and Biosystems Engineering*, **2019**, 42, 1769-1777	3.7	47
33	Green approach for synthesis of zinc oxide nanoparticles from Andrographis paniculata leaf extract and evaluation of their antioxidant, anti-diabetic, and anti-inflammatory activities. *Bioprocess and Biosystems Engineering*, **2018**, 41, 21-30	3.7	97
32	Adsorption of Heavy Metal Cr (VI) By a Ternary Biopolymer Blend. *Materials Today: Proceedings*, **2018**, 5, 14628-14638	1.4	1
31	Development of 3D scaffolds using nanochitosan/silk-fibroin/hyaluronic acid biomaterials for tissue engineering applications. *International Journal of Biological Macromolecules*, **2018**, 120, 876-885	7.9	25
30	Fabrication of letrozole formulation using chitosan nanoparticles through ionic gelation method. *International Journal of Biological Macromolecules*, **2017**, 104, 1820-1832	7.9	65
29	Adsorption and kinetic studies on the removal of chromium and copper onto Chitosan-g-maliec anhydride-g-ethylene dimethacrylate. *International Journal of Biological Macromolecules*, **2017**, 104, 1578-1585	7.9	36
28	Batch adsorption and desorption studies on the removal of lead (II) from aqueous solution using nanochitosan/sodium alginate/microcrystalline cellulose beads. *International Journal of Biological Macromolecules*, **2017**, 104, 1483-1494	7.9	66
27	Adsorptive removal of copper (II) and lead (II) using chitosan-g-maleic anhydride-g-methacrylic acid copolymer. *International Journal of Biological Macromolecules*, **2017**, 104, 1495-1508	7.9	21
26	Removal of toxic heavy metal lead (II) using chitosan oligosaccharide-graft-maleic anhydride/polyvinyl alcohol/silk fibroin composite. *International Journal of Biological Macromolecules*, **2017**, 104, 1469-1482	7.9	60

25	Removal of the heavy metal ion chromiuim(VI) using Chitosan and Alginate nanocomposites. *International Journal of Biological Macromolecules*, **2017**, 104, 1459-1468	7.9	112
24	Adsorption Studies of Lead(II) from aqueous solution onto Nanochitosan /Polyurethane /Polypropylene glycol ternary blends. *International Journal of Biological Macromolecules*, **2017**, 104, 1436-1448	7.9	12
23	FTIR, XRD and DSC studies of nanochitosan, cellulose acetate and polyethylene glycol blend ultrafiltration membranes. *International Journal of Biological Macromolecules*, **2017**, 104, 1721-1729	7.9	49
22	Evaluation of anti-cholinesterase, antibacterial and cytotoxic activities of green synthesized silver nanoparticles using from Millettia pinnata flower extract. *Microbial Pathogenesis*, **2017**, 103, 123-128	3.8	48
21	Nanotechnology for human food: Advances and perspective. *Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences*, **2017**, 10, 63-72	0.7	19
20	Application of Chitin/Chitosan and Its Derivatives as Adsorbents, Coagulants, and Flocculants **2017**, 453-487		11
19	Size optimization and in vitro biocompatibility studies of chitosan nanoparticles. *International Journal of Biological Macromolecules*, **2017**, 104, 1794-1806	7.9	60
18	Removal of Cr(VI) from aqueous solution using chitosan-g-poly(butyl acrylate)/silica gel nanocomposite. *International Journal of Biological Macromolecules*, **2016**, 87, 545-54	7.9	49
17	Removal of copper(II) from aqueous solution using nanochitosan/sodium alginate/microcrystalline cellulose beads. *International Journal of Biological Macromolecules*, **2016**, 82, 440-52	7.9	56
16	Sunitinib loaded chitosan nanoparticles formulation and its evaluation. *International Journal of Biological Macromolecules*, **2016**, 82, 952-8	7.9	38
15	Biosynthesis and Biomedical Applications of Gold Nanoparticles Using Eclipta prostrata Leaf Extract. *Applied Sciences (Switzerland)*, **2016**, 6, 222	2.6	34
14	Experimental analysis of binary and ternary polymer blends of nanochitosan. *Materials Today: Proceedings*, **2016**, 3, 2169-2177	1.4	3
13	Marine Biomaterials as Antifouling Agent **2015**, 1181-1192		
12	Adsorption of copper(II) and nickel(II) ions from aqueous solution using graft copolymer of cellulose extracted from the sisal fiber with acrylic acid monomer. *Composite Interfaces*, **2014**, 21, 75-86	2.3	7
11	Studies on drug-polymer interaction, in vitro release and cytotoxicity from chitosan particles excipient. *International Journal of Pharmaceutics*, **2014**, 468, 214-22	6.5	27
10	Marine carbohydrates of wastewater treatment. *Advances in Food and Nutrition Research*, **2014**, 73, 103-63		12
9	Comparative studies on the removal of heavy metals ions onto cross linked chitosan-g-acrylonitrile copolymer. *International Journal of Biological Macromolecules*, **2014**, 67, 180-8	7.9	30
8	Sorption studies on Cr (VI) removal from aqueous solution using cellulose grafted with acrylonitrile monomer. *International Journal of Biological Macromolecules*, **2014**, 66, 295-301	7.9	34

7	Sorption studies of lead (II) onto crosslinked and non crosslinked biopolymeric blends. *International Journal of Biological Macromolecules*, **2013**, 59, 165-9	7.9	13
6	Removal of Cu(II) and Ni(II) using cellulose extracted from sisal fiber and cellulose-g-acrylic acid copolymer. *International Journal of Biological Macromolecules*, **2013**, 62, 59-65	7.9	48
5	Preparation and characterization of nano chitosan for treatment wastewaters. *International Journal of Biological Macromolecules*, **2013**, 57, 204-12	7.9	154
4	Sorption studies on heavy metal removal using chitin/bentonite biocomposite. *International Journal of Biological Macromolecules*, **2013**, 53, 67-71	7.9	65
3	Evaluation of batch and packed bed adsorption column for chromium(VI) ion removal from aqueous solution using chitosan-silica gel-AAM/orange peel hydrogel composite. *Biomass Conversion and Biorefinery*,1	2.3	0
2	Removal of toxic heavy metal Cd(II) and Cu(II) ions using glutaraldehyde-cross-linked KFC/CNT/PVA ternary blend. *Biomass Conversion and Biorefinery*,1	2.3	1
1	Crosslinked chitosan oligosaccharide-based binary and ternary blends for the removal of Cu(II) ions. *International Journal of Environmental Science and Technology*,1	3.3	0