

# A Gnanamani

## List of Publications by Year in descending order

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49  
papers

1,399  
citations

361413

20  
h-index

330143

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49  
docs citations

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times ranked

2391  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fibrous protein composite scaffolds (3D) for tissue regeneration: An in vitro study on skeletal muscle regeneration. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 217, 112656.	5.0	0
2	Preparation, characterization and cell response studies on bioconjugated 3D protein hydrogels with wide-range stiffness: An approach on cell therapy and cell storage. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 205, 111843.	5.0	3
3	Gap closure of different shape wounds: <i>in vitro</i> and <i>in vivo</i> experimental models in the presence of engineered protein adhesive hydrogel. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 174-178.	2.7	2
4	<i>In vitro</i> antibacterial activity of plumbagin isolated from <i>Plumbago zeylanica</i> L. against methicillin-resistant <i>Staphylococcus aureus</i> . <i>Letters in Applied Microbiology</i> , 2019, 69, 41-49.	2.2	20
5	Encapsulated enhanced silver nanoparticles biosynthesis by modified new route for nano-biocatalytic activity. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 18, 101045.	3.1	8
6	Marine fungal DHICA as a UVB protectant: Assessment under in vitro and in vivo conditions. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 179, 139-148.	3.8	13
7	Surface active gold nanoparticles biosynthesis by new approach for bionanocatalytic activity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 179, 119-125.	3.8	48
8	Engineered fish scale gelatin: An alternative and suitable biomaterial for tissue engineering. <i>Journal of Bioactive and Compatible Polymers</i> , 2018, 33, 332-346.	2.1	14
9	Preparation, characterization and reusability efficacy of amine-functionalized graphene oxide-polyphenol oxidase complex for removal of phenol from aqueous phase. <i>RSC Advances</i> , 2018, 8, 38416-38424.	3.6	28
10	Pre-treatment of extracellular water soluble pigmented secondary metabolites of marine imperfect fungus protects HDF cells from UVB induced oxidative stress. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 1229-1238.	2.9	4
11	Engineered protein hydrogel for open wound management in Canines. <i>Wound Medicine</i> , 2018, 22, 32-36.	2.7	0
12	Exploring the UVB-protective efficacy of melanin precursor extracted from marine imperfect fungus: Featuring characterization and application studies under in vitro conditions. <i>International Microbiology</i> , 2018, 21, 59-71.	2.4	14
13	Induced oxidative stress management in wounds through phenolic acids engineered fibrous protein: An in vitro assessment using polymorphonuclear (PMN) cells. <i>International Journal of Biological Macromolecules</i> , 2017, 96, 485-493.	7.5	2
14	Redox responsive albumin autogenic nanoparticles for the delivery of cancer drugs. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 393-405.	5.0	13
15	Efficacy of free and encapsulated <i>Bacillus licheniformis</i> strain SL10 on degradation of phenol: A comparative study of degradation kinetics. <i>Journal of Environmental Management</i> , 2017, 197, 373-383.	7.8	40
16	<i>In vitro</i> profiling of antimethicillin-resistant <i>Staphylococcus aureus</i> activity of thymoquinone against selected type and clinical strains. <i>Letters in Applied Microbiology</i> , 2016, 62, 283-289.	2.2	21
17	<i>In vitro</i> biocompatibility and antimicrobial activity of chitin monomer obtain from hollow fiber membrane. <i>Designed Monomers and Polymers</i> , 2016, 19, 445-455.	1.6	12
18	Synthesis and characterization of chitosan-TiO <sub>2</sub> :Cu nanocomposite and their enhanced antimicrobial activity with visible light. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 148, 566-575.	5.0	78

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19	Preparation of guar gum scaffold film grafted with ethylenediamine and fish scale collagen, cross-linked with ceftazidime for wound healing application. <i>Carbohydrate Polymers</i> , 2016, 153, 573-581.	10.2	73
20	Synthesis of a carboxymethylated guar gum grafted polyethyleneimine copolymer as an efficient gene delivery vehicle. <i>RSC Advances</i> , 2016, 6, 13730-13741.	3.6	22
21	pH and redox sensitive albumin hydrogel: A self-derived biomaterial. <i>Scientific Reports</i> , 2015, 5, 15977.	3.3	67
22	Potential use of curcumin loaded carboxymethylated guar gum grafted gelatin film for biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2015, 75, 437-446.	7.5	76
23	Biotransformation of soybean oil to a self-healing biopolymer. <i>Biocatalysis and Biotransformation</i> , 2015, 33, 29-37.	2.0	0
24	Curcumin loaded nano graphene oxide reinforced fish scale collagen " a 3D scaffold biomaterial for wound healing applications. <i>RSC Advances</i> , 2015, 5, 98653-98665.	3.6	63
25	In vitro and in vivo assessments of a 3-(3,4-dihydroxyphenyl)-2-propenoic acid bioconjugated gelatin-based injectable hydrogel for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1230-1244.	5.8	30
26	Could glutaric acid (GA) replace glutaraldehyde in the preparation of biocompatible biopolymers with high mechanical and thermal properties?. <i>Journal of Chemical Sciences</i> , 2014, 126, 127-140.	1.5	28
27	Synthesis, characterization and biological profile of metal and azo-metal complexes of embelin. <i>Complex Metals: an Open Access Journal</i> , 2014, 1, 69-79.	0.6	17
28	Exploring the dual role of 1,5-di-carboxylic acids in the preparation of collagen based biomaterial. <i>Journal of Porous Materials</i> , 2013, 20, 647-661.	2.6	5
29	Engineering of chitosan and collagen macromolecules using sebacic acid for clinical applications. <i>Progress in Biomaterials</i> , 2013, 2, 11.	4.5	25
30	The Effect of Pimelic Acid Interaction on the Mechanical and Thermal Properties of Chitosan and Collagen. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2013, 62, 572-582.	3.4	18
31	Rejoining of cut wounds by engineered gelatin"keratin glue. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4030-4039.	2.4	31
32	Studies on Cross-linking of succinic acid with chitosan/collagen. <i>Materials Research</i> , 2013, 16, 755-765.	1.3	69
33	Suberic Acid Acts as a Dissolving Agent as Well as a Crosslinker for Natural Polymers (Carbohydrate) <i>Tj ETQq1 1 0.784314 rgBT /Over</i> <i>Macromolecular Science - Pure and Applied Chemistry</i> , 2012, 49, 619-629.	2.2	6
34	QSAR and evaluation of molecular electrostatic potential for N-nitrosopiperidinone semicarbazones. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012, 116, 87-93.	3.5	5
35	Adipic acid interaction enhances the mechanical and thermal stability of natural polymers. <i>Journal of Applied Polymer Science</i> , 2012, 125, E490.	2.6	14
36	Preparation and characterization of malonic acid cross-linked chitosan and collagen 3D scaffolds: an approach on non-covalent interactions. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 1309-1321.	3.6	29

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37	Bioinformatics in crosslinking chemistry of collagen with selective cross linkers. BMC Research Notes, 2011, 4, 399.	1.4	13
38	Preparation and characterization of a thermostable and biodegradable biopolymers using natural cross-linker. International Journal of Biological Macromolecules, 2011, 48, 276-285.	7.5	51
39	Treatment of textile wastewater by homogeneous and heterogeneous Fenton oxidation processes. Desalination, 2011, 281, 438-445.	8.2	218
40	Bonding interactions and stability assessment of biopolymer material prepared using type III collagen of avian intestine and anionic polysaccharides. Journal of Materials Science: Materials in Medicine, 2011, 22, 1419-1429.	3.6	10
41	Di-carboxylic acid cross-linking interactions improves thermal stability and mechanical strength of reconstituted type I collagen. Journal of Thermal Analysis and Calorimetry, 2011, 105, 325-330.	3.6	19
42	Heterogeneous Fenton oxidation of dissolved organics in salt-laden wastewater from leather industry without sludge production. Environmental Chemistry Letters, 2011, 9, 499-504.	16.2	18
43	Microbial products (biosurfactant and extracellular chromate reductase) of marine microorganism are the potential agents reduce the oxidative stress induced by toxic heavy metals. Colloids and Surfaces B: Biointerfaces, 2010, 79, 334-339.	5.0	65
44	Preparation, Characterization and Application of Leather Particulate-Polymer Composites (LPPCs). Journal of Polymers and the Environment, 2009, 17, 181-186.	5.0	20
45	Vesicle formation in hydrocarbons assisted with microbial hydrolases and biosurfactants. Colloids and Surfaces B: Biointerfaces, 2008, 67, 192-198.	5.0	7
46	Synthesis, antibacterial and antifungal activities of some N-nitroso-2,6-diarylpiperidin-4-one semicarbazones and QSAR analysis. Nitric Oxide - Biology and Chemistry, 2008, 19, 303-311.	2.7	12
47	Biodegradability of leathers through anaerobic pathway. Waste Management, 2007, 27, 760-767.	7.4	42
48	Oxidative destabilization of dissolved organics and E. coli in domestic wastewater through immobilized cell reactor system. Journal of Environmental Management, 2007, 84, 123-133.	7.8	8
49	Influence of biodigested slurry on rice-gram cultivation. Bioresource Technology, 1992, 41, 217-221.	9.6	18