

Jayachandran Venkatesan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30 papers	3,138 citations	21 h-index	33 g-index
33 ext. papers	3,589 ext. citations	4.8 avg, IF	5.67 L-index

#	Paper	IF	Citations
30	Alginate composites for bone tissue engineering: a review. <i>International Journal of Biological Macromolecules</i> , 2015 , 72, 269-81	7.9	523
29	Chitosan composites for bone tissue engineering--an overview. <i>Marine Drugs</i> , 2010 , 8, 2252-66	6	490
28	Green synthesis of titanium dioxide nanoparticles using Psidium guajava extract and its antibacterial and antioxidant properties. <i>Asian Pacific Journal of Tropical Medicine</i> , 2014 , 7, 968-76	2.1	250
27	Pharmaceutically active secondary metabolites of marine actinobacteria. <i>Microbiological Research</i> , 2014 , 169, 262-78	5.3	245
26	Nano-hydroxyapatite composite biomaterials for bone tissue engineering--a review. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 3124-40	4	219
25	Chitosan-alginate biocomposite containing fucoidan for bone tissue engineering. <i>Marine Drugs</i> , 2014 , 12, 300-16	6	165
24	Preparation and characterization of chitosan-carbon nanotube scaffolds for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2012 , 50, 393-402	7.9	136
23	Marine Fish Proteins and Peptides for Cosmeceuticals: A Review. <i>Marine Drugs</i> , 2017 , 15,	6	117
22	Chitosan-amylopectin/hydroxyapatite and chitosan-chondroitin sulphate/hydroxyapatite composite scaffolds for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2012 , 51, 1033-42	7.9	110
21	Antimicrobial and anticancer activities of porous chitosan-alginate biosynthesized silver nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2017 , 98, 515-525	7.9	103
20	Seaweed Polysaccharide-Based Nanoparticles: Preparation and Applications for Drug Delivery. <i>Polymers</i> , 2016 , 8,	4.5	101
19	Antimicrobial, Antioxidant, and Anticancer Activities of Biosynthesized Silver Nanoparticles Using Marine Algae Ecklonia cava. <i>Nanomaterials</i> , 2016 , 6,	5.4	94
18	Effect of Temperature on Isolation and Characterization of Hydroxyapatite from Tuna (Thunnus obesus) Bone. <i>Materials</i> , 2010 , 3, 4761-4772	3.5	86
17	Preparation and characterization of chitosan-natural nano hydroxyapatite-fucoidan nanocomposites for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 1479-1487	7.9	83
16	A comparative study of thermal calcination and an alkaline hydrolysis method in the isolation of hydroxyapatite from Thunnus obesus bone. <i>Biomedical Materials (Bristol)</i> , 2011 , 6, 035003	3.5	64
15	Chitosan as a vehicle for growth factor delivery: Various preparations and their applications in bone tissue regeneration. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 1383-1397	7.9	47
14	Magnetic nanomaterials and sensors for biological detection. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016 , 12, 2459-2473	6	35

13	Actinobacteria mediated synthesis of nanoparticles and their biological properties: A review. <i>Critical Reviews in Microbiology</i> , 2016 , 42, 209-21	7.8	34
12	Preparation of piperlongumine-loaded chitosan nanoparticles for safe and efficient cancer therapy. <i>RSC Advances</i> , 2016 , 6, 79307-79316	3.7	21
11	Hydroxyapatite from Cuttlefish Bone: Isolation, Characterizations, and Applications. <i>Biotechnology and Bioprocess Engineering</i> , 2018 , 23, 383-393	3.1	21
10	Biocompatibility and Alkaline Phosphatase Activity of Phosphorylated Chitooligosaccharides on the Osteosarcoma MG63 Cell Line. <i>Journal of Functional Biomaterials</i> , 2010 , 1, 3-13	4.8	15
9	Production, Biochemical Characterization and Detergents Application of Keratinase from the Marine Actinobacterium Actinoalloteichus sp. MA-32. <i>Journal of Surfactants and Detergents</i> , 2014 , 17, 669-682	1.9	13
8	Osteoporosis treatment: marine algal compounds. <i>Advances in Food and Nutrition Research</i> , 2011 , 64, 417-27	6	9
7	Stimulation of minerals by carbon nanotube grafted glucosamine in mouse mesenchymal stem cells for bone tissue engineering. <i>Journal of Biomedical Nanotechnology</i> , 2012 , 8, 676-85	4	8
6	Calcium phosphate bioceramics with polyvinyl alcohol hydrogels for biomedical applications. <i>Materials Research Express</i> , 2019 , 6, 125404	1.7	5
5	Introduction to Marine Actinobacteria 2013 , 1-19		4
4	Marine Biomaterial Treasure and Biomedical Sciences 2020 , 1209-1229		2
3	Silver-Based Hybrid Nanomaterials: Preparations, Biological, Biomedical, and Environmental Applications. <i>Journal of Cluster Science</i> , 1	3	1
2	3D bioprinted alginate-based biomaterials for bone tissue engineering. <i>Journal of 3D Printing in Medicine</i> , 2020 , 4, 175-179	1.5	1
1	Biocomposites Containing Silver Nanoparticles for Biomedical Applications. <i>Journal of Cluster Science</i> , 1	3	