Zonggang Chen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9541865/publications.pdf

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21	922	567281 15	713466 21
papers	citations	h-index	g-index

22	22	22	1316
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intermolecular interactions in electrospun collagenâ€“chitosan complex nanofibers. Carbohydrate Polymers, 2008, 72, 410-418.	10.2	237
2	Electrospinning of collagenâ€“chitosan complex. Materials Letters, 2007, 61, 3490-3494.	2.6	196
3	Mechanical properties of electrospun collagenâ€“chitosan complex single fibers and membrane. Materials Science and Engineering C, 2009, 29, 2428-2435.	7.3	62
4	Improved workability of injectable calcium sulfate bone cement by regulation of self-setting properties. Materials Science and Engineering C, 2013, 33, 1048-1053.	7.3	49
5	Hyaluronic acid oligosaccharide-modified collagen nanofibers as vascular tissue-engineered scaffold for promoting endothelial cell proliferation. Carbohydrate Polymers, 2019, 223, 115106.	10.2	48
6	Design and comprehensive assessment of a biomimetic tri-layer tubular scaffold via biodegradable polymers for vascular tissue engineering applications. Materials Science and Engineering C, 2020, 110, 110717.	7.3	44
7	Fabrication and Comprehensive Characterization of Biomimetic Extracellular Matrix Electrospun Scaffold for Vascular Tissue Engineering Applications. Journal of Materials Science, 2019, 54, 10871-10883.	3.7	43
8	Injectable calcium sulfate/mineralized collagenâ€based bone repair materials with regulable selfâ€setting properties. Journal of Biomedical Materials Research - Part A, 2011, 99A, 554-563.	4.0	31
9	Hyaluronic acid oligosaccharides modified mineralized collagen and chitosan with enhanced osteoinductive properties for bone tissue engineering. Carbohydrate Polymers, 2021, 260, 117780.	10.2	31
10	Mechanical properties and in vitro bioactivity of injectable and self-setting calcium sulfate/nano-HA/collagen bone graft substitute. Journal of the Mechanical Behavior of Biomedical Materials, 2012, 12, 119-128.	3.1	29
11	Degradability of injectable calcium sulfate/mineralized collagen-based bone repair material and its effect on bone tissue regeneration. Materials Science and Engineering C, 2014, 45, 94-102.	7.3	26
12	Improving in vitro biocompatibility on biomimetic mineralized collagen bone materials modified with hyaluronic acid oligosaccharide. Materials Science and Engineering C, 2019, 104, 110008.	7.3	26
13	Recent progress in injectable bone repair materials research. Frontiers of Materials Science, 2015, 9, 332-345.	2.2	20
14	Hyaluronic acid oligosaccharide-collagen mineralized product and aligned nanofibers with enhanced vascularization properties in bone tissue engineering. International Journal of Biological Macromolecules, 2022, 206, 277-287.	7.5	19
15	One-pot four-enzyme synthesis of thymidinediphosphate-l-rhamnose. Chemical Communications, 2016, 52, 13995-13998.	4.1	16
16	Mechanical enhancement and in vitro biocompatibility of nanofibrous collagen-chitosan scaffolds for tissue engineering. Journal of Biomaterials Science, Polymer Edition, 2017, 28, 2255-2270.	3.5	16
17	Fabrication and assessment of chondroitin sulfate-modified collagen nanofibers for small-diameter vascular tissue engineering applications. Carbohydrate Polymers, 2021, 257, 117573.	10.2	13
18	Biochemical studies of a Î²-1,4-rhamnoslytransferase from Streptococcus pneumonia serotype 23F. Organic and Biomolecular Chemistry, 2019, 17, 1071-1075.	2.8	4

#	Article	IF	Citations
19	Recent advances in the research of bacterial glucuronosyltransferases. Journal of Carbohydrate Chemistry, 2016, 35, 201-223.	1.1	3
20	Exploring the broad nucleotide triphosphate and sugar-1-phosphate specificity of thymidylyltransferase Cps23FL from Streptococcus pneumonia serotype 23F. RSC Advances, 2020, 10, 30110-30114.	3.6	3
21	Sequential Oneâ€Pot Threeâ€Enzyme Synthesis of the Tetrasaccharide Repeating Unit of Group B Streptococcus Serotype VIII Capsular Polysaccharide. Chinese Journal of Chemistry, 0, , .	4.9	3