

Xingguo Cheng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11609995/publications.pdf>

Version: 2024-02-01

23
papers

2,081
citations

623734

14
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

3438
citing authors

#	ARTICLE	IF	CITATIONS
1	Bone structure and formation: A new perspective. <i>Materials Science and Engineering Reports</i> , 2007, 58, 77-116.	31.8	1,230
2	An electrochemical fabrication process for the assembly of anisotropically oriented collagen bundles. <i>Biomaterials</i> , 2008, 29, 3278-3288.	11.4	224
3	Biomimetic synthesis of calcite films by a polymer-induced liquid-precursor (PILP) process. <i>Journal of Crystal Growth</i> , 2007, 307, 395-404.	1.5	87
4	Molding Mineral within Microporous Hydrogels by a Polymer-Induced Liquid-Precursor (PILP) Process. <i>Biotechnology Progress</i> , 2006, 22, 141-149.	2.6	77
5	Platelet-derived growth-factor-releasing aligned collagen nanoparticle fibers promote the proliferation and tenogenic differentiation of adipose-derived stem cells. <i>Acta Biomaterialia</i> , 2014, 10, 1360-1369.	8.3	68
6	Biomimetic Collagen-Hydroxyapatite Composite Fabricated via a Novel Perfusion-Flow Mineralization Technique. <i>Tissue Engineering - Part C: Methods</i> , 2013, 19, 487-496.	2.1	66
7	Chemotherapy drug delivery from calcium phosphate nanoparticles. <i>International Journal of Nanomedicine</i> , 2007, 2, 667-74.	6.7	65
8	Transition Bars during Transformation of an Amorphous Calcium Carbonate Precursor. <i>Chemistry of Materials</i> , 2008, 20, 6917-6928.	6.7	53
9	Liposomal nanoparticle-based conserved peptide influenza vaccine and monosodium urate crystal adjuvant elicit protective immune response in pigs. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 6699-6715.	6.7	45
10	Comparison of morphology, orientation, and migration of tendon derived fibroblasts and bone marrow stromal cells on electrochemically aligned collagen constructs. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 94A, 1070-1079.	4.0	37
11	Preparation and characterization of microcellular polystyrene/polystyrene ionomer blends with supercritical carbon dioxide. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 368-377.	2.1	27
12	Analysis of Crystals Leading to Joint Arthropathies by Raman Spectroscopy: Comparison with Compensated Polarized Imaging. <i>Applied Spectroscopy</i> , 2009, 63, 381-386.	2.2	24
13	Design and assessment of a wrapped cylindrical Ca-P AZ31 Mg alloy for critical size ulna defect repair. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 206-216.	3.4	21
14	Modulation of Hydroxyapatite Nanocrystal Size and Shape by Polyelectrolytic Peptides. <i>Crystal Growth and Design</i> , 2009, 9, 5220-5226.	3.0	20
15	An electrochemically deposited collagen wound matrix combined with adipose-derived stem cells improves cutaneous wound healing in a mouse model of type 2 diabetes. <i>Journal of Biomaterials Applications</i> , 2018, 33, 553-565.	2.4	13
16	Comparison of Two Nanoparticle Formulations for Localized Delivery of Platelet-Derived Growth Factor (PDGF) from Aligned Collagen Fibers. <i>Pharmaceutical Nanotechnology</i> , 2013, 1, 105-114.	1.5	5
17	Biomask for skin regeneration. <i>Regenerative Medicine</i> , 2014, 9, 245-248.	1.7	5
18	Preparation and In Vitro Evaluation of Electrochemically-Aligned Collagen Matrix as a Dermal Substitute. <i>MRS Advances</i> , 2016, 1, 1295-1300.	0.9	4

#	ARTICLE	IF	CITATIONS
19	Biomaterials for Tendon/Ligament and Skin Regeneration. , 0, , .		3
20	Electrochemical Bioencapsulation of Nanomaterials into Collagen for Biomedical Applications. Journal of Encapsulation and Adsorption Sciences, 2013, 03, 16-23.	0.3	3
21	Modulation of Immune Response to Chlamydia muridarum by Host miR-135a. Frontiers in Cellular and Infection Microbiology, 2021, 11, 638058.	3.9	2
22	Preparation of microcellular composites with biomimetic structure via supercritical fluid technology. Science Bulletin, 2001, 46, 909-911.	1.7	1
23	Preparation of Nanoparticle-containing Aligned Collagen Fibers for Dense Connective Tissue Repair and Regeneration. Materials Research Society Symposia Proceedings, 2012, 1417, 25.	0.1	1