

Gloria Belc3n Ram3-rez-Rodr3-guez

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

933
citations

516215

16
h-index

476904

29
g-index

32
all docs

32
docs citations

32
times ranked

1362
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhalation of peptide-loaded nanoparticles improves heart failure. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	132
2	Fluoride-doped amorphous calcium phosphate nanoparticles as a promising biomimetic material for dental remineralization. <i>Scientific Reports</i> , 2018, 8, 17016.	1.6	90
3	Bioinspired negatively charged calcium phosphate nanocarriers for cardiac delivery of MicroRNAs. <i>Nanomedicine</i> , 2016, 11, 891-906.	1.7	89
4	Engineering Biomimetic Calcium Phosphate Nanoparticles: A Green Synthesis of Slow-Release Multinutrient (NPK) Nanofertilizers. <i>ACS Applied Bio Materials</i> , 2020, 3, 1344-1353.	2.3	89
5	The growth mechanism of apatite nanocrystals assisted by citrate: relevance to bone biomineralization. <i>CrystEngComm</i> , 2015, 17, 507-511.	1.3	58
6	Reducing Nitrogen Dosage in <i>Triticum durum</i> Plants with Urea-Doped Nanofertilizers. <i>Nanomaterials</i> , 2020, 10, 1043.	1.9	44
7	Urea-functionalized amorphous calcium phosphate nanofertilizers: optimizing the synthetic strategy towards environmental sustainability and manufacturing costs. <i>Scientific Reports</i> , 2021, 11, 3419.	1.6	40
8	Towards a more sustainable viticulture: foliar application of Na-doped calcium phosphate nanoparticles on Tempranillo grapes. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 1307-1313.	1.7	38
9	Polymeric 3D scaffolds for tissue regeneration: Evaluation of biopolymer nanocomposite reinforced with cellulose nanofibrils. <i>Materials Science and Engineering C</i> , 2019, 94, 867-878.	3.8	37
10	Evolution of calcium phosphate precipitation in hanging drop vapor diffusion by in situ Raman microspectroscopy. <i>CrystEngComm</i> , 2013, 15, 2206.	1.3	36
11	Biomimetic mineralization of recombinant collagen type I derived protein to obtain hybrid matrices for bone regeneration. <i>Journal of Structural Biology</i> , 2016, 196, 138-146.	1.3	33
12	The role of nanoparticle structure and morphology in the dissolution kinetics and nutrient release of nitrate-doped calcium phosphate nanofertilizers. <i>Scientific Reports</i> , 2020, 10, 12396.	1.6	26
13	Probiotic cellulose: Antibiotic-free biomaterials with enhanced antibacterial activity. <i>Acta Biomaterialia</i> , 2021, 124, 244-253.	4.1	23
14	^{<sup />} Biom mineralized Recombinant Collagen-Based Scaffold Mimicking Native Bone Enhances Mesenchymal Stem Cell Interaction and Differentiation. <i>Tissue Engineering - Part A</i> , 2017, 23, 1423-1435.	1.6	21
15	Highly stable luminescent europium-doped calcium phosphate nanoparticles for creatinine quantification. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 196, 111337.	2.5	20
16	On the amorphous layer in bone mineral and biomimetic apatite: A combined small- and wide-angle X-ray scattering analysis. <i>Acta Biomaterialia</i> , 2021, 120, 167-180.	4.1	20
17	Combined Effect of Citrate and Fluoride Ions on Hydroxyapatite Nanoparticles. <i>Crystal Growth and Design</i> , 2020, 20, 3163-3172.	1.4	16
18	Nanoelicitors with prolonged retention and sustained release to produce beneficial compounds in wines. <i>Environmental Science: Nano</i> , 2021, 8, 3524-3535.	2.2	14

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19	Effect of Methyl Jasmonate Doped Nanoparticles on Nitrogen Composition of Monastrell Grapes and Wines. <i>Biomolecules</i> , 2021, 11, 1631.	1.8	14
20	Natural polymers for bone repair. , 2019, , 199-232.		11
21	Antiparasitic, anti-inflammatory and cytotoxic activities of 2D coordination polymers based on 1H-indazole-5-carboxylic acid. <i>Journal of Inorganic Biochemistry</i> , 2020, 208, 111098.	1.5	11
22	Organic/inorganic hydrogels by simultaneous self-assembly and mineralization of aromatic short-peptides. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 743-752.	3.0	11
23	Atmospheric water triggers supramolecular gel formation of novel low molecular weight maslinic and oleanolic triterpenic derivatives. <i>Materials Chemistry Frontiers</i> , 2019, 3, 2637-2646.	3.2	10
24	pH-responsive collagen fibrillogenesis in confined droplets induced by vapour diffusion. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 2305-2312.	1.7	9
25	Entrapping Living Probiotics into Collagen Scaffolds: A New Class of Biomaterials for Antibiotic-Free Therapy of Bacterial Vaginosis. <i>Advanced Materials Technologies</i> , 2020, 5, 2000137.	3.0	9
26	Biomimetic Mineralization Promotes Viability and Differentiation of Human Mesenchymal Stem Cells in a Perfusion Bioreactor. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1447.	1.8	9
27	2D-Coordination polymers based on 1 <i>H</i> -indazole-4-carboxylic acid and transition metal ions: magnetic, luminescence and biological properties. <i>CrystEngComm</i> , 2020, 22, 5086-5095.	1.3	8
28	Year, watering regime and foliar methyl jasmonate doped nanoparticles treatments: Effects on must nitrogen compounds in Monastrell grapes. <i>Scientia Horticulturae</i> , 2022, 297, 110944.	1.7	7
29	Photoluminescent Coordination Polymers Based on Group 12 Metals and 1H-Indazole-6-Carboxylic Acid. <i>Inorganics</i> , 2021, 9, 20.	1.2	5
30	2015 4th TERMIS World Congress Boston, Massachusetts September 8-11, 2015. <i>Tissue Engineering - Part A</i> , 2015, 21, S-1-S-413.	1.6	2
31	Biomimetic mineralization of synthetic collagen-like peptide: a bottom-up approach to design advanced nanocomposite scaffolds for tissue engineering. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 4, .	2.0	1
32	Bio-inspired negatively-charged calcium phosphate nanocarriers for cardiac delivery of therapeutic molecules. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 4, .	2.0	0