

Cristian Covarrubias

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

866
citations

430874

18
h-index

477307

29
g-index

36
all docs

36
docs citations

36
times ranked

1453
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of new antibacterial composite coating for titanium based on highly ordered nanoporous silica and silver nanoparticles. <i>Materials Science and Engineering C</i> , 2014, 45, 146-153.	7.3	89
2	Cr(III) exchange on zeolites obtained from kaolin and natural mordenite. <i>Microporous and Mesoporous Materials</i> , 2006, 88, 220-231.	4.4	83
3	Synthesis of hybrid copper-chitosan nanoparticles with antibacterial activity against cariogenic &Streptococcus mutans. <i>Dental Materials Journal</i> , 2018, 37, 379-384.	1.8	54
4	Bionanocomposite scaffolds based on chitosan-gelatin and nanodimensional bioactive glass particles: In vitro properties and in vivo bone regeneration. <i>Journal of Biomaterials Applications</i> , 2018, 32, 1155-1163.	2.4	50
5	Synthesis of nanostructured porous silica coatings on titanium and their cell adhesive and osteogenic differentiation properties. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 37-48.	4.0	42
6	Removal of trivalent chromium contaminant from aqueous media using FAU-type zeolite membranes. <i>Journal of Membrane Science</i> , 2008, 312, 163-173.	8.2	41
7	Interleukin-35 inhibits alveolar bone resorption by modulating the Th17/Treg imbalance during periodontitis. <i>Journal of Clinical Periodontology</i> , 2020, 47, 676-688.	4.9	39
8	Removal of chromium(III) from tannery effluents, using a system of packed columns of zeolite and activated carbon. <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 899-908.	3.2	38
9	Preparation and bioactive properties of novel bone repair bionanocomposites based on hydroxyapatite and bioactive glass nanoparticles. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 1672-1682.	3.4	33
10	Osseointegration properties of titanium dental implants modified with a nanostructured coating based on ordered porous silica and bioactive glass nanoparticles. <i>Applied Surface Science</i> , 2016, 363, 286-295.	6.1	33
11	Catalytic activity during the preparation of PE/clay nanocomposites by <i>in situ</i> polymerization with metallocene catalysts. <i>Journal of Applied Polymer Science</i> , 2009, 113, 2368-2377.	2.6	29
12	Enhancing oxidation activity and stability of iso-1-cytochrome c and chloroperoxidase by immobilization in nanostructured supports. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 70, 81-87.	1.8	27
13	Synthesis of nanosized ZSM-2 zeolite with potential acid catalytic properties. <i>Microporous and Mesoporous Materials</i> , 2009, 117, 118-125.	4.4	24
14	Differential Antifungal Activity of Human and Cryptococcal Melanins with Structural Discrepancies. <i>Frontiers in Microbiology</i> , 2017, 8, 1292.	3.5	24
15	Ethylene polymerization using dealuminated ZSM-2 zeolite nanocrystals as an active metallocene catalyst support. <i>Applied Catalysis A: General</i> , 2008, 347, 223-233.	4.3	23
16	High catalytic activity of SBA-15-supported metallocene toward ethylene polymerization: The effect of the ordered porous structure of the support. <i>Catalysis Communications</i> , 2009, 10, 995-1001.	3.3	23
17	Multifunctional nanocarriers for the treatment of periodontitis: Immunomodulatory, antimicrobial, and regenerative strategies. <i>Oral Diseases</i> , 2019, 25, 1866-1878.	3.0	23
18	Enhanced bioactive properties of Biodentine™ modified with bioactive glass nanoparticles. <i>Journal of Applied Oral Science</i> , 2017, 25, 177-185.	1.8	22

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19	Preparation of aluminophosphate/polyethylene nanocomposite membranes and their gas permeation properties. <i>Journal of Membrane Science</i> , 2010, 358, 33-42.	8.2	19
20	Antibacterial activity of a glass ionomer cement doped with copper nanoparticles. <i>Dental Materials Journal</i> , 2020, 39, 389-396.	1.8	19
21	Effect of Cu- and Zn-Doped Bioactive Glasses on the In Vitro Bioactivity, Mechanical and Degradation Behavior of Biodegradable PDLA Scaffolds. <i>Materials</i> , 2020, 13, 2908.	2.9	18
22	Alendronate Functionalized Mesoporous Bioactive Glass Nanospheres. <i>Materials</i> , 2016, 9, 135.	2.9	17
23	Catalytic performance of silica-aluminas synthesised with the help of chitosan biopolymer. <i>Applied Catalysis A: General</i> , 2009, 366, 269-274.	4.3	16
24	The Effect of the Nanoscale Structure of Nanobioceramics on Their <i>In Vitro</i> Bioactivity and Cell Differentiation Properties. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-14.	2.7	16
25	Preparation of CPB-modified FAU zeolite for the removal of tannery wastewater contaminants. <i>Journal of Porous Materials</i> , 2008, 15, 491-498.	2.6	14
26	In situ preparation and osteogenic properties of bionanocomposite scaffolds based on aliphatic polyurethane and bioactive glass nanoparticles. <i>Materials Science and Engineering C</i> , 2019, 96, 642-653.	7.3	13
27	Preparation and bioactive properties of nano bioactive glass and segmented polyurethane composites. <i>Journal of Biomaterials Applications</i> , 2016, 30, 1362-1372.	2.4	8
28	Radiopacity and Chemical Assessment of New Commercial Calcium Silicate-Based Cements. <i>International Journal of Odontostomatology</i> , 2018, 12, 262-268.	0.1	8
29	Preparation and osteogenic properties of nanocomposite hydrogel beads loaded with nanometric bioactive glass particles. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 045043.	3.3	7
30	Nanoparticles of Bioactive Glass Enhance Biodentine Bioactivity on Dental Pulp Stem Cells. <i>Materials</i> , 2021, 14, 2684.	2.9	5
31	Facile synthesis of lithium carbonate nanoparticles with potential properties for bone repair applications. <i>Materials Letters</i> , 2018, 219, 205-208.	2.6	4
32	Natural Mordenite Derived Zeolites: Synthesis, Formation, and Their Evaluation in Cr(III) Removal from Tannery Wastewater. <i>Environmental Engineering Science</i> , 2007, 24, 1443-1456.	1.6	3
33	Protective effect of inactivated blastoconidia in keratinocytes and human reconstituted epithelium against <i>C. albicans</i> infection. <i>Medical Mycology</i> , 2019, 57, 457-467.	0.7	1
34	Preparation of osteoinductive “Antimicrobial nanocomposite scaffolds based on poly (D,L-lactide-co-glycolide) modified with copper “Doped bioactive glass nanoparticles. <i>Polymers and Polymer Composites</i> , 2022, 30, 096739112210982.	1.9	1
35	Osteoconductive Effect of a Nanocomposite Membrane Treated with UV Radiation. <i>Polymers</i> , 2022, 14, 289.	4.5	0
36	A comparative study on the microstructural and antibacterial properties of Laser - textured and SLA dental implants.. <i>International Journal of Interdisciplinary Dentistry</i> , 2021, 14, 222-225.	0.1	0