

Luis M Rodriguez-Lorenzo

List of Publications by Year in Descending Order

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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.

62

papers

1,832

citations

22

h-index

42

g-index

69

ext. papers

2,051

ext. citations

5.4

avg, IF

5.18

L-index

#	Paper	IF	Citations
62	Analysis of the angular influence in the spatial study of mechanical displacements in highly anisotropic media. <i>Mechanics of Materials</i> , 2021 , 163, 104094	3.3	
61	Assessment of a PCL-3D Printing-Dental Pulp Stem Cells Triplet for Bone Engineering: An In Vitro Study. <i>Polymers</i> , 2021 , 13,	4.5	3
60	Preparation of covalently bonded silica-alginate hybrid hydrogels by SCHIFF base and sol-gel reactions. <i>Carbohydrate Polymers</i> , 2021 , 267, 118186	10.3	4
59	Siloxane-inorganic chemical crosslinking of hyaluronic acid - based hybrid hydrogels: Structural characterization. <i>Carbohydrate Polymers</i> , 2020 , 230, 115590	10.3	8
58	Design of Thermoplastic 3D-Printed Scaffolds for Bone Tissue Engineering: Influence of Parameters of "Hidden" Importance in the Physical Properties of Scaffolds. <i>Polymers</i> , 2020 , 12,	4.5	6
57	SYNTHESIS OF IN-SITU SILICA-ALGINATE HYBRID HYDROGELS BY A SOL-GEL ROUTE. <i>Carbohydrate Polymers</i> , 2020 , 250, 116877	10.3	5
56	Alginate hydrogels for bone tissue engineering, from injectables to bioprinting: A review. <i>Carbohydrate Polymers</i> , 2020 , 229, 115514	10.3	157
55	Potential Benefits from 3D Printing and Dental Pulp Stem Cells in Cleft Palate Treatments: An In Vivo Model Study. <i>Biomedical Journal of Scientific & Technical Research</i> , 2019 , 16,	1.6	2
54	Preparation, bioactivity, and cytotoxicity studies of poly(ester urethane)s/SiO ₂ nanocomposites. <i>Journal of Thermoplastic Composite Materials</i> , 2019 , 32, 108-122	1.9	4
53	Synthesis and in Vitro Cytocompatibility of Segmented Poly(Ester-Urethane)s and Poly(Ester-Urea-Urethane)s for Bone Tissue Engineering. <i>Polymers</i> , 2018 , 10,	4.5	11
52	Novel non-cytotoxic, bioactive and biodegradable hybrid materials based on polyurethanes/TiO for biomedical applications. <i>Materials Science and Engineering C</i> , 2017 , 75, 375-384	8.3	9
51	Bioceramic nanocomposite thiol-acrylate polyHIPE scaffolds for enhanced osteoblastic cell culture in 3D. <i>Biomaterials Science</i> , 2017 , 5, 2035-2047	7.4	26
50	Surface effects on the degradation mechanism of bioactive PDMS-SiO ₂ -CaO-P ₂ O ₅ hybrid materials intended for bone regeneration. <i>Ceramics International</i> , 2017 , 43, 476-483	5.1	5
49	Hydrogels for Cartilage Regeneration, from Polysaccharides to Hybrids. <i>Polymers</i> , 2017 , 9,	4.5	42
48	Adsorption and conformational modification of fibronectin and fibrinogen adsorbed on hydroxyapatite. A QCM-D study. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 2585-94	5.4	6
47	Application of calcium phosphates and fibronectin as complementary treatment for osteoporotic bone fractures. <i>Injury</i> , 2016 , 47 Suppl 3, S15-S21	2.5	6
46	The synthesis and characterisation of strontium and calcium folates with potential osteogenic activity. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 2708-2713	7.3	21

45	Optimization of the CaO and P ₂ O ₅ contents on PDMS/SiO ₂ /CaO/P ₂ O ₅ hybrids intended for bone regeneration. <i>Journal of Materials Science</i> , 2015 , 50, 5993-6006	4.3	8
44	Synthesis of nanosized carbonated apatite by a modified Pechini method: hydroxyapatite nucleation from a polymeric matrix. <i>Journal of Sol-Gel Science and Technology</i> , 2014 , 72, 571-580	2.3	2
43	2-(Dimethylamino)ethyl Methacrylate/(2-Hydroxyethyl) Methacrylate/Tricalcium Phosphate Cryogels for Bone Repair, Preparation and Evaluation of the Biological Response of Human Trabecular Bone-Derived Cells and Mesenchymal Stem Cells. <i>Polymers</i> , 2014 , 6, 2510-2525	4.5	9
42	Synthesis of hybrid compounds apatite/etidronate by reactive milling and effects on the structure and morphology of the apatite phase. <i>Ceramics International</i> , 2013 , 39, 3921-3929	5.1	6
41	Influence of surface features of hydroxyapatite on the adsorption of proteins relevant to bone regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2013 , 101, 2332-9	5.4	14
40	Preparation and Applications of Modulated Surface Energy Biomaterials 2013 , 495-538		
39	Feasibility of ceramic-polymer composite cryogels as scaffolds for bone tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2012 , 6, 421-33	4.4	15
38	Modulación del carácter hidrofóbico e influencia sobre la biocompatibilidad de híbridos base poliuretano-siloxano. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2011 , 50, 1-8	1.9	8
37	Synthesis, characterization, bioactivity and biocompatibility of nanostructured materials based on the wollastonite-poly(ethylmethacrylate-co-vinylpyrrolidone) system. <i>Journal of Biomedical Materials Research - Part A</i> , 2009 , 88, 53-64	5.4	27
36	Synthesis and Biocompatibility of Hydroxyapatite in a Graphite Oxide Matrix. <i>Key Engineering Materials</i> , 2008 , 396-398, 477-480	0.4	7
35	Synthesis and Characterization of Siloxane-Polyurethane Hybrid Materials. <i>Key Engineering Materials</i> , 2008 , 396-398, 481-484	0.4	
34	Effects of calcination temperature on the drug delivery behaviour of Ibuprofen from hydroxyapatite powders. <i>Journal of Materials Science: Materials in Medicine</i> , 2008 , 19, 1187-95	4.5	41
33	Development of wollastonite-poly(ethylmethacrylate co-vinylpyrrolidone) based materials for multifunctional devices. <i>Journal of Biomedical Materials Research - Part A</i> , 2007 , 81, 603-10	5.4	6
32	Acrylic injectable and self-curing formulations for the local release of bisphosphonates in bone tissue. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2007 , 83, 596-608	3.5	7
31	Preparation of Targeting Vehicles for The Delivery of N-Bisphosphonates. <i>Key Engineering Materials</i> , 2007 , 330-332, 1041-1044	0.4	
30	Incorporation of 2nd and 3rd Generation Bisphosphonates on Hydroxyfluorapatite. <i>Key Engineering Materials</i> , 2006 , 309-311, 899-902	0.4	1
29	Wollastonite-Poly(Ethylmethacrylate-Co-Vinylpyrrolidone) Nanostructured Materials: Mechanical Properties and Biocompatibility. <i>Key Engineering Materials</i> , 2006 , 309-311, 1149-1152	0.4	2
28	Rietveld refinements and spectroscopic studies of the structure of Ca-deficient apatite. <i>Biomaterials</i> , 2005 , 26, 1317-27	15.6	133

27	Influence of ferrous iron incorporation on the structure of hydroxyapatite. <i>Journal of Materials Science: Materials in Medicine</i> , 2005 , 16, 387-92	4.5	58
26	Studies on calcium deficient apatites structure by means of MAS-NMR spectroscopy. <i>Journal of Materials Science: Materials in Medicine</i> , 2005 , 16, 393-8	4.5	26
25	Surface Modification of Calcium Hydroxyfluor Carbonate Apatites by Bisphosphonates. <i>Key Engineering Materials</i> , 2005 , 284-286, 357-360	0.4	3
24	Encapsulation of Hydroxyapatite Microspheres with Fluorapatite Using a Diffusion Process. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 814-818	3.8	4
23	Development of porous ceramic bodies for applications in tissue engineering and drug delivery systems. <i>Materials Research Bulletin</i> , 2004 , 39, 83-91	5.1	51
22	Sintered hydroxyfluorapatites. Part I: sintering ability of precipitated solid solution powders. <i>Biomaterials</i> , 2004 , 25, 1375-84	15.6	54
21	Sintered hydroxyfluorapatites. Part II: mechanical properties of solid solutions determined by microindentation. <i>Biomaterials</i> , 2004 , 25, 1385-94	15.6	84
20	Biodegradable composite scaffolds with an interconnected spherical network for bone tissue engineering. <i>Biomaterials</i> , 2004 , 25, 4955-62	15.6	108
19	Encapsulation of apatite particles for improvement in bone regeneration. <i>Journal of Materials Science: Materials in Medicine</i> , 2003 , 14, 939-43	4.5	17
18	Influence of fluorine in the synthesis of apatites. Synthesis of solid solutions of hydroxy-fluorapatite. <i>Biomaterials</i> , 2003 , 24, 3777-85	15.6	153
17	Structural and Chemical Analysis of Well-Crystallized Hydroxyfluorapatites. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 8316-8320	3.4	69
16	Calcium Phosphate Porous Scaffolds from Natural Materials. <i>Key Engineering Materials</i> , 2003 , 254-256, 957-960	0.4	1
15	Thermally Sprayed Scaffolds for Tissue Engineering Applications. <i>Key Engineering Materials</i> , 2003 , 254-256, 961-964	0.4	4
14	Drug Delivery Behaviour of Hydroxyapatite and Carbonated Apatite. <i>Key Engineering Materials</i> , 2003 , 254-256, 529-532	0.4	
13	Encapsulation of Hydroxyapatite Particles with Fluorapatite by a Multistep Procedure. <i>Key Engineering Materials</i> , 2003 , 240-242, 587-590	0.4	
12	Fabrication of porous hydroxyapatite bodies by a new direct consolidation method: starch consolidation. <i>Journal of Biomedical Materials Research Part B</i> , 2002 , 60, 232-40		59
11	Hydroxyapatite ceramic bodies with tailored mechanical properties for different applications. <i>Journal of Biomedical Materials Research Part B</i> , 2002 , 60, 159-66		77
10	Preparation and in vitro bioactivity of hydroxyapatite/solgel glass biphasic material. <i>Biomaterials</i> , 2002 , 23, 1865-72	15.6	79

9	Setting Behavior and in Vitro Bioactivity of Hydroxyapatite/Calcium Sulfate Cements. <i>Chemistry of Materials</i> , 2002 , 14, 3550-3555	9.6	48
8	Fabrication of hydroxyapatite bodies by uniaxial pressing from a precipitated powder. <i>Biomaterials</i> , 2001 , 22, 583-8	15.6	79
7	Colloidal processing of hydroxyapatite. <i>Biomaterials</i> , 2001 , 22, 1847-52	15.6	61
6	Fluor-Hydroxyapatite Solid Solutions as Alternative Bioceramics. <i>Key Engineering Materials</i> , 2001 , 218-220, 165-170	0.4	3
5	Controlled Crystallization of Calcium Phosphate Apatites. <i>Chemistry of Materials</i> , 2000 , 12, 2460-2465	9.6	147
4	Composite biomaterials based on ceramic polymers. I. Reinforced systems based on Al ₂ O ₃ /PMMA/PLLA. <i>Journal of Biomedical Materials Research Part B</i> , 1996 , 30, 515-22		34
3	Fracture Toughness Evaluation of Sintered Hydroxyapatite 1994 , 17-22		2
2	Vibrational and ¹¹⁹ Sn Mössbauer spectra of tin(IV) halide complexes with 1,3-dimethylurea and 1,3-dimethylthiourea. <i>Inorganica Chimica Acta</i> , 1993 , 206, 83-87	2.7	9
1	Modulated Surface Energy Biomaterials: Preparation and Applications 4815-4846		