E FernÃ¡ndez

List of Publications by Year
in descending order

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35 papers	2,338 citations	411340 20 h-index	536525 29 g-index
35 all docs	35 docs citations	35 times ranked	2126 citing authors

#	Article	IF	Citations
1	Design and properties of 3D scaffolds for bone tissue engineering. Acta Biomaterialia, 2016, 42, 341-350.	4.1	321
2	Characterization and three-dimensional reconstruction of synthetic bone model foams. Materials Science and Engineering C, 2013, 33, 3329-3335.	3.8	19
3	Effect of the calcium to phosphorus ratio on the setting properties of calcium phosphate bone cements. Journal of Materials Science: Materials in Medicine, 2012, 23, 2081-2090.	1.7	19
4	Ultrasound monitoring of the setting of calcium-based bone cements. Journal of Materials Science: Materials in Medicine, 2012, 23, 1563-1568.	1.7	5
5	Biphasic calcium sulfate dihydrate/iron-modified alpha-tricalcium phosphate bone cement for spinal applications:in vitrostudy. Biomedical Materials (Bristol), 2010, 5, 025006.	1.7	14
6	Osteogenic biphasic calcium sulphate dihydrate/iron-modified Î±-tricalcium phosphate bone cement for spinal applications: In vivo study. Acta Biomaterialia, 2010, 6, 607-616.	4.1	36
7	Injectable iron-modified apatitic bone cement intended for kyphoplasty: cytocompatibility study. Journal of Materials Science: Materials in Medicine, 2008, 19, 3575-3583.	1.7	23
8	High-strength apatitic cement by modification with superplasticizers. Biomaterials, 2005, 26, 2289-2296.	5.7	36
9	Effect of iron on the setting properties of Î±-TCP bone cements. Journal of Materials Science, 2005, 40, 3677-3682.	1.7	18
10	Influence of surfactant molecules as air-entraining agent for bone cement macroporosity. Journal of Biomedical Materials Research - Part A, 2003, 65A, 215-221.	2.1	54
11	Comparative study of bone cements prepared with either HA or Î±-TCP and functionalized methacrylates. , 2003, 64B, 27-37.		40
12	An ultrasonic pulse-echo technique for monitoring the setting of CaSO4-based bone cement. Biomaterials, 2003, 24, 71-77.	5.7	41
13	Kinetic study of citric acid influence on calcium phosphate bone cements as water-reducing agent. Journal of Biomedical Materials Research Part B, 2002, 61, 653-659.	3.0	123
14	Characterization of a novel calcium phosphate/sulphate bone cement. Journal of Biomedical Materials Research Part B, 2002, 61, 600-607.	3.0	116
15	Monitoring the setting of calcium-based bone cements using pulse-echo ultrasound. Journal of Materials Science: Materials in Medicine, 2002, 13, 1135-1141.	1.7	20
16	Mechanical and rheological improvement of a calcium phosphate cement by the addition of a polymeric drug. Journal of Biomedical Materials Research Part B, 2001, 57, 113-118.	3.0	123
17	Rheological properties of an apatitic bone cement during initial setting. Journal of Materials Science: Materials in Medicine, 2001, 12, 905-909.	1.7	41
18	An Experimental Approach to the Study of the Rheology Behaviour of Synthetic Bone Calcium Phosphate Cements. Key Engineering Materials, 2000, 192-195, 777-780.	0.4	17

#	Article	IF	Citations
19	Calcium phosphate bone cements for clinical applications. Part I: solution chemistry. Journal of Materials Science: Materials in Medicine, 1999, 10, 169-176.	1.7	222
20	Production and characterization of new calcium phosphate bone cements in the CaHPO4-alpha-Ca3(PO4)2 system: pH, workability and setting times. Journal of Materials Science: Materials in Medicine, 1999, 10, 223-230.	1.7	89
21	Calcium phosphate bone cements for clinical applications. Part II: precipitate formation during setting reactions. Journal of Materials Science: Materials in Medicine, 1999, 10, 177-183.	1.7	131
22	Precipitation of carbonated apatite in the cement system ?-Ca3(PO4)2-Ca(H2PO4)2-CaCO3. , 1999, 47, 466-471.		19
23	COMPARATIVE STUDY OF THE SETTING REACTION KINETIC OF SEVERAL APATITIC CALCIUM PHOSPHATE BONE CEMENTS. , 1999, , .		5
24	Synthesis of dahllite through a cement setting reaction. Journal of Materials Science: Materials in Medicine, 1998, 9, 789-792.	1.7	15
25	Improvement of the mechanical properties of new calcium phosphate bone cements in the CaHPO4-?-Ca3(PO4)2 system: Compressive strength and microstructural development. Journal of Biomedical Materials Research Part B, 1998, 41, 560-567.	3.0	96
26	The cement setting reaction in the CaHPO4-?-Ca3(PO4)2 system: An X-ray diffraction study. , 1998, 42, 403-406.		38
27	Setting Reaction and Hardening of an Apatitic Calcium Phosphate Cement. Journal of Dental Research, 1997, 76, 905-912.	2.5	313
28	Influence of the particle size of the powder phase in the setting and hardening behaviour of a calcium phosphate cement. , 1997, , 481-484.		6
29	A study of load cycling in a NiTi shape memory alloy with pseudoelastic behaviour used in dental prosthetic fixators. Bio-Medical Materials and Engineering, 1996, 6, 153-157.	0.4	1
30	Kinetic study of the setting reaction of a calcium phosphate bone cement. , 1996, 32, 367-374.		130
31	Development of a method to measure the period of swelling of calcium phosphate cements. Journal of Materials Science Letters, 1996, 15, 1004.	0.5	39
32	Dimensional and thermal behaviour of calcium phosphate cements during setting compared to PMMA bone cements. Journal of Materials Science Letters, 1995, 14, 4-5.	0.5	27
33	Compliance of an apatitic calcium phosphate cement with the short-term clinical requirements in bone surgery, orthopaedics and dentistry. Clinical Materials, 1994, 17, 99-104.	0.5	89
34	Common ion effect on some calcium phosphate cements. Clinical Materials, 1994, 16, 99-103.	0.5	42
35	Chloride- and alkali-containing calcium phosphates as basic materials to prepare calcium phosphate cements. Biomaterials, 1994, 15, 1019-1023.	5.7	10