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List of Publications by Year
in descending order

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63 papers	3,440 citations	159585 30 h-index	138484 58 g-index
76 all docs	76 docs citations	76 times ranked	3711 citing authors

#	Article	IF	Citations
1	Transformation of Brushite (CaHPO₄Â·2H₂O) to Whitlockite (Ca₉Mg(HPO₄)(PO₄)₆) or Other CaPs in Physiologically Relevant Solutions. Journal of the American Ceramic Society, 2016, 99, 1200-1206.	3.8	31
2	Aragonite coating solutions (ACS) based on artificial seawater. Applied Surface Science, 2015, 330, 262-269.	6.1	10
3	Development of a Gas-Fed Plasma Source for Pulsed High-Density Plasma/Material Interaction Studies. IEEE Transactions on Plasma Science, 2014, 42, 3245-3252.	1.3	5
4	Synthetic Aragonite (<scp><scp>CaCO</scp></scp>₃) as a Potential Additive in Calcium Phosphate Cements: Evaluation in Trisâ€Free <scp>SBF</scp> at 37Â°C. Journal of the American Ceramic Society, 2014, 97, 3052-3061.	3.8	8
5	The use of physiological solutions or media in calcium phosphate synthesis and processing. Acta Biomaterialia, 2014, 10, 1771-1792.	8.3	86
6	Grade-1 titanium soaked in a DMEM solution at 37Â°C. Materials Science and Engineering C, 2014, 36, 84-94.	7.3	7
7	Molten salt synthesis of potassium-containing hydroxyapatite microparticles used as protein substrate. Materials Letters, 2014, 128, 421-424.	2.6	6
8	Submicron spheres of amorphous calcium phosphate forming in a stirred SBF solution at 55Â°C. Journal of Non-Crystalline Solids, 2014, 400, 27-32.	3.1	19
9	X-ray-amorphous calcium phosphate (ACP) synthesis in a simple biomineralization medium. Journal of Materials Chemistry B, 2013, 1, 4511.	5.8	23
10	Non-stirred synthesis of Na- and Mg-doped, carbonated apatitic calcium phosphate. Ceramics International, 2013, 39, 1485-1493.	4.8	7
11	Comparison of titanium soaked in 5M NaOH or 5M KOH solutions. Materials Science and Engineering C, 2013, 33, 327-339.	7.3	59
12	Testing of Brushite (<scp><scp>CaHPO</scp></scp>₄Â·2<scp><scp>H</scp></scp>₂<scp><scp>O</scp></scp>) in Synthetic Biomineralization Solutions and In Situ Crystallization of Brushite Microâ€Granules. Journal of the American Ceramic Society, 2012, 95, 2178-2188.	3.8	38
13	Calcium metal to synthesize amorphous or cryptocrystalline calcium phosphates. Materials Science and Engineering C, 2012, 32, 1097-1106.	7.3	16
14	Granules of Brushite and Octacalcium Phosphate from Marble. Journal of the American Ceramic Society, 2011, 94, 3722-3726.	3.8	16
15	Accelerated transformation of brushite to octacalcium phosphate in new biomineralization media between 36.5Â°C and 80Â°C. Materials Science and Engineering C, 2011, 31, 1136-1143.	7.3	37
16	Brushite (CaHPO 4 Â·2H 2 O) to octacalcium phosphate (Ca 8 (HPO 4) 2 (PO 4) 4 Â·5H 2 O) transformation in DMEM solutions at 36.5 Â°C. Materials Science and Engineering C, 2010, 30, 245-254.	7.3	162
17	A new approach in biomimetic synthesis of calcium phosphate coatings using lactic acidâ€“Na lactate buffered body fluid solution. Acta Biomaterialia, 2010, 6, 2282-2288.	8.3	54
18	Development of biomineralization solutions to facilitate the transformation of brushite (CaHPO<inf>4</inf>Â·2H<inf>2</inf>O) into octacalcium phosphate (Ca<inf>8</inf>(HPO<inf>4</inf>)<inf>2</inf>(PO<inf>4</inf>)<inf>4</inf>Â·5H<inf>2</inf>O). , 2010, , .		1

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19	Preparation of biphasic brushite-apatite orthopedic cement powders by chemical precipitation. , 2010, , .		0
20	A novel particle morphology for the brushite (CaHPO<inf>4</inf>Â·2H<inf>2</inf>O) powders used in orthopedic cements. , 2010, , .		0
21	Monetite (CaHPO₄) Synthesis in Ethanol at Room Temperature. Journal of the American Ceramic Society, 2009, 92, 2907-2912.	3.8	68
22	Monodisperse Calcium Carbonate Microtablets Forming at 70Â°C in Prerefrigerated CaCl₂â€“Gelatinâ€“Urea Solutions. International Journal of Applied Ceramic Technology, 2009, 6, 53-59.	2.1	29
23	Using a synthetic body fluid (SBF) solution of 27ÂmM HCO3â¯ to make bone substitutes more osteointegrative. Materials Science and Engineering C, 2008, 28, 129-140.	7.3	102
24	In Vitro Comparison of the Apatite Inducing Ability of Three Different SBF Solutions on Ti6A14V. Ceramic Engineering and Science Proceedings, 2008, , 111-118.	0.1	0
25	A protocol to develop crack-free biomimetic coatings on Ti6Al4V substrates. Journal of Materials Research, 2007, 22, 1593-1600.	2.6	20
26	A new rhenanite (Î²-NaCaPO4) and hydroxyapatite biphasic biomaterial for skeletal repair. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2007, 80B, 304-316.	3.4	42
27	Preparation of Zn-doped Î²-tricalcium phosphate (Î²-Ca3(PO4)2) bioceramics. Materials Science and Engineering C, 2007, 27, 394-401.	7.3	58
28	Osteoblast proliferation on neat and apatite-like calcium phosphate-coated titanium foam scaffolds. Materials Science and Engineering C, 2007, 27, 432-440.	7.3	56
29	Formation of Calcium Phosphate Whiskers in Hydrogen Peroxide (H2O2) Solutions at 90Â°C. Journal of the American Ceramic Society, 2007, 90, 2358-2362.	3.8	30
30	Porous, Biphasic CaCO3-Calcium Phosphate Biomedical Cement Scaffolds from Calcite (CaCO3) Powder. International Journal of Applied Ceramic Technology, 2007, 4, 152-163.	2.1	28
31	In vitro testing of calcium phosphate (HA, TCP, and biphasic HA-TCP) whiskers. Journal of Biomedical Materials Research - Part A, 2006, 78A, 481-490.	4.0	69
32	Electroless deposition of brushite (CaHPO₄ Â· 2H₂O) crystals on Tiâ€“6Alâ€“4V at room temperature. International Journal of Materials Research, 2006, 97, 639-644.	0.3	15
33	Synthesis of HA-Seeded TTCP (Ca4(PO4)2O) Powders at 1230oC from Ca(CH3COO)2.H2O and NH4H2PO4. Journal of the American Ceramic Society, 2005, 88, 3353-3360.	3.8	43
34	Rapid coating of Ti6Al4V at room temperature with a calcium phosphate solution similar to 10Ã— simulated body fluid. Journal of Materials Research, 2004, 19, 2742-2749.	2.6	205
35	Microwave-assisted synthesis of calcium phosphate nanowhiskers. Journal of Materials Research, 2004, 19, 1876-1881.	2.6	61
36	Chemical Processing of CaHPO4.2H2O:. Its Conversion to Hydroxyapatite. Journal of the American Ceramic Society, 2004, 87, 2195-2200.	3.8	81

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37	Chemical Synthesis of Crystalline, Pure or Mn-doped ZnGa₂O₄ Powders at 90 Â°C. Journal of Materials Research, 2002, 17, 1425-1433.	2.6	23
38	Preparation of Strontiumâ€•and Zincâ€Doped LaGaO₃ Powders via Precipitation in the Presence of Urea and/or Enzyme Urease. Journal of the American Ceramic Society, 2002, 85, 1414-1420.	3.8	20
39	Synthesis of Gallium Oxide Hydroxide Crystals in Aqueous Solutions with or without Urea and Their Calcination Behavior. Journal of the American Ceramic Society, 2002, 85, 1421-1429.	3.8	155
40	X-ray diffraction data for flux-grown calcium hydroxyapatite whiskers. Powder Diffraction, 2001, 16, 102-106.	0.2	23
41	Molten Salt Synthesis of Calcium Hydroxyapatite Whiskers. Journal of the American Ceramic Society, 2001, 84, 295-300.	3.8	145
42	Chemical preparation of aluminum borate whiskers. Powder Diffraction, 2000, 15, 104-107.	0.2	10
43	Synthesis of biomimetic Ca-hydroxyapatite powders at 37Â°C in synthetic body fluids. Biomaterials, 2000, 21, 1429-1438.	11.4	529
44	Chemical Preparation of Pure and Strontiumâ€•and/or Magnesiumâ€Doped Lanthanum Gallate Powders. Journal of the American Ceramic Society, 2000, 83, 2954-2960.	3.8	165
45	Dip Coating of Calcium Hydroxyapatite on Tiâ€6Alâ€4V Substrates. Journal of the American Ceramic Society, 2000, 83, 989-991.	3.8	125
46	Preparation of Porous Ca₁₀(PO₄)₆(OH)₂ and Î²â€Ca₃(PO₄)₂ Bioceramics. Journal of the American Ceramic Society, 2000, 83, 1581-1584.	3.8	66
47	Hydrothermal synthesis of dy-doped BaTiO3 powders. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1999, 30, 1089-1093.	2.1	7
48	Preparation of Lead Zirconate Titanate (Pb(Zr_{0.52}Ti_{0.48})O₃) by Homogeneous Precipitation and Calcination. Journal of the American Ceramic Society, 1999, 82, 1582-1584.	3.8	19
49	Synthesis of Calcium Hydroxyapatiteâ€Tricalcium Phosphate (HAâ€TCP) Composite Bioceramic Powders and Their Sintering Behavior. Journal of the American Ceramic Society, 1998, 81, 2245-2252.	3.8	216
50	Chemical Preparation of the Binary Compounds in the Calciaâ€Alumina System by Selfâ€Propagating Combustion Synthesis. Journal of the American Ceramic Society, 1998, 81, 2853-2863.	3.8	72
51	Lowâ€Temperature Chemical Synthesis of Lanthanum Monoaluminate. Journal of the American Ceramic Society, 1997, 80, 133-141.	3.8	66
52	An investigation of the chemical synthesis and high-temperature sintering behaviour of calcium hydroxyapatite (HA) and tricalcium phosphate (TCP) bioceramics. Journal of Materials Science: Materials in Medicine, 1997, 8, 91-96.	3.6	142
53	Preparation of Lead Zirconate by Homogeneous Precipitation and Calcination. Journal of the American Ceramic Society, 1997, 80, 2714-2716.	3.8	31
54	Characterization of new solid solution phases in (Y,Ca)(Cr,Co)O₃ system. Powder Diffraction, 1995, 10, 40-43.	0.2	2

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55	Phase Relations in the System Ce2O3-Ce2Si2O7 in the Temperature Range 1150o to 1970oC in Reducing and Inert Atmospheres. Journal of the American Ceramic Society, 1994, 77, 2953-2960.	3.8	37
56	Phase Relations in the System Ce2O3-Al2O3 in Inert and Reducing Atmospheres. Journal of the American Ceramic Society, 1994, 77, 2961-2967.	3.8	23
57	Crystal Structures of the High-Temperature Forms of Ln2Si2O7 (Ln = La, Ce, Pr, Nd, Sm) Revisited. Journal of the American Ceramic Society, 1994, 77, 2968-2970.	3.8	25
58	Phase Relations in the System Al2O3Ce2Si2O7 in the Temperature Range 900o to 1925oC in Inert Atmosphere. Journal of the American Ceramic Society, 1993, 76, 1595-1601.	3.8	13
59	Cerium Oxygen Apatite (Ce_{4.67}[SiO₄]₃O) X-Ray Diffraction Pattern Revisited. Powder Diffraction, 1992, 7, 219-222.	0.2	13
60	Chemical Processing of Brushite: Its Conversion to Apatite or Ca2P2O7. Ceramic Engineering and Science Proceedings, 0, , 543-548.	0.1	0
61	Use of Vaterite and Calcite in Forming Calcium Phosphate Cement Scaffolds. , 0, , 135-150.		5
62	A Self-Setting, Monetite (CaHPO4) Cement for Skeletal Repair. Ceramic Engineering and Science Proceedings, 0, , 61-69.	0.1	6
63	Preparation of Self-Setting Cement-Based Micro- and Macroporous Granules of Carbonated Apatitic Calcium Phosphate. Ceramic Engineering and Science Proceedings, 0, , 49-60.	0.1	1