

A Cuneyt Tas

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	Synthesis of biomimetic Ca-hydroxyapatite powders at 37°C in synthetic body fluids. <i>Biomaterials</i> , 2000, 21, 1429-1438.	11.4	529
2	Synthesis of Calcium Hydroxyapatite-Tricalcium Phosphate (HA-TCP) Composite Bioceramic Powders and Their Sintering Behavior. <i>Journal of the American Ceramic Society</i> , 1998, 81, 2245-2252.	3.8	216
3	Rapid coating of Ti6Al4V at room temperature with a calcium phosphate solution similar to 10% simulated body fluid. <i>Journal of Materials Research</i> , 2004, 19, 2742-2749.	2.6	205
4	Chemical Preparation of Pure and Strontium and/or Magnesium-Doped Lanthanum Gallate Powders. <i>Journal of the American Ceramic Society</i> , 2000, 83, 2954-2960.	3.8	165
5	Brushite (CaHPO ₄ ·2H ₂ O) to octacalcium phosphate (Ca ₈ (HPO ₄) ₂ (PO ₄) ₄ ·5H ₂ O) transformation in DMEM solutions at 36.5 °C. <i>Materials Science and Engineering C</i> , 2010, 30, 245-254.	7.3	162
6	Synthesis of Gallium Oxide Hydroxide Crystals in Aqueous Solutions with or without Urea and Their Calcination Behavior. <i>Journal of the American Ceramic Society</i> , 2002, 85, 1421-1429.	3.8	155
7	Molten Salt Synthesis of Calcium Hydroxyapatite Whiskers. <i>Journal of the American Ceramic Society</i> , 2001, 84, 295-300.	3.8	145
8	An investigation of the chemical synthesis and high-temperature sintering behaviour of calcium hydroxyapatite (HA) and tricalcium phosphate (TCP) bioceramics. <i>Journal of Materials Science: Materials in Medicine</i> , 1997, 8, 91-96.	3.6	142
9	Dip Coating of Calcium Hydroxyapatite on Ti6Al4V Substrates. <i>Journal of the American Ceramic Society</i> , 2000, 83, 989-991.	3.8	125
10	Using a synthetic body fluid (SBF) solution of 27mM HCO ₃ ⁻ to make bone substitutes more osteointegrative. <i>Materials Science and Engineering C</i> , 2008, 28, 129-140.	7.3	102
11	The use of physiological solutions or media in calcium phosphate synthesis and processing. <i>Acta Biomaterialia</i> , 2014, 10, 1771-1792.	8.3	86
12	Chemical Processing of CaHPO ₄ ·2H ₂ O: Its Conversion to Hydroxyapatite. <i>Journal of the American Ceramic Society</i> , 2004, 87, 2195-2200.	3.8	81
13	Chemical Preparation of the Binary Compounds in the Calcium-Alumina System by Self-Propagating Combustion Synthesis. <i>Journal of the American Ceramic Society</i> , 1998, 81, 2853-2863.	3.8	72
14	In vitro testing of calcium phosphate (HA, TCP, and biphasic HA-TCP) whiskers. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 78A, 481-490.	4.0	69
15	Monetite (CaHPO ₄) Synthesis in Ethanol at Room Temperature. <i>Journal of the American Ceramic Society</i> , 2009, 92, 2907-2912.	3.8	68
16	Low-Temperature Chemical Synthesis of Lanthanum Monoaluminate. <i>Journal of the American Ceramic Society</i> , 1997, 80, 133-141.	3.8	66
17	Preparation of Porous Ca ₁₀ (PO ₄) ₆ (OH) ₂ and Ca ₃ (PO ₄) ₂ Bioceramics. <i>Journal of the American Ceramic Society</i> , 2000, 83, 1581-1584.	3.8	66
18	Microwave-assisted synthesis of calcium phosphate nanowhiskers. <i>Journal of Materials Research</i> , 2004, 19, 1876-1881.	2.6	61

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19	Comparison of titanium soaked in 5M NaOH or 5M KOH solutions. <i>Materials Science and Engineering C</i> , 2013, 33, 327-339.	7.3	59
20	Preparation of Zn-doped β -tricalcium phosphate (β -Ca ₃ (PO ₄) ₂) bioceramics. <i>Materials Science and Engineering C</i> , 2007, 27, 394-401.	7.3	58
21	Osteoblast proliferation on neat and apatite-like calcium phosphate-coated titanium foam scaffolds. <i>Materials Science and Engineering C</i> , 2007, 27, 432-440.	7.3	56
22	A new approach in biomimetic synthesis of calcium phosphate coatings using lactic acidâ€Na lactate buffered body fluid solution. <i>Acta Biomaterialia</i> , 2010, 6, 2282-2288.	8.3	54
23	Synthesis of HA-Seeded TTCP (Ca ₄ (PO ₄) ₂ O) Powders at 1230oC from Ca(CH ₃ COO) ₂ .H ₂ O and NH ₄ H ₂ PO ₄ . <i>Journal of the American Ceramic Society</i> , 2005, 88, 3353-3360.	3.8	43
24	A new rhenanite (β -NaCaPO ₄) and hydroxyapatite biphasic biomaterial for skeletal repair. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2007, 80B, 304-316.	3.4	42
25	Testing of Brushite (CaHPO ₄ ·2H ₂ O) in Synthetic Biomineralization Solutions and <i>In Situ</i> Crystallization of Brushite Microâ€Granules. <i>Journal of the American Ceramic Society</i> , 2012, 95, 2178-2188.	3.8	38
26	Phase Relations in the System Ce ₂ O ₃ -Ce ₂ Si ₂ O ₇ in the Temperature Range 1150o to 1970oC in Reducing and Inert Atmospheres. <i>Journal of the American Ceramic Society</i> , 1994, 77, 2953-2960.	3.8	37
27	Accelerated transformation of brushite to octacalcium phosphate in new biomineralization media between 36.5Â°C and 80Â°C. <i>Materials Science and Engineering C</i> , 2011, 31, 1136-1143.	7.3	37
28	Preparation of Lead Zirconate by Homogeneous Precipitation and Calcination. <i>Journal of the American Ceramic Society</i> , 1997, 80, 2714-2716.	3.8	31
29	Transformation of Brushite (CaHPO ₄ ·2H ₂ O) to Whitlockite (Ca ₉ Mg(HPO ₄) ₄ (PO ₄) ₆) or Other CaPs in Physiologically Relevant Solutions. <i>Journal of the American Ceramic Society</i> , 2016, 99, 1200-1206.	3.8	31
30	Formation of Calcium Phosphate Whiskers in Hydrogen Peroxide (H ₂ O ₂) Solutions at 90Â°C. <i>Journal of the American Ceramic Society</i> , 2007, 90, 2358-2362.	3.8	30
31	Monodisperse Calcium Carbonate Microtablets Forming at 70Â°C in Prerefrigerated CaCl ₂ â€Gelatinâ€Urea Solutions. <i>International Journal of Applied Ceramic Technology</i> , 2009, 6, 53-59.	2.1	29
32	Porous, Biphasic CaCO ₃ -Calcium Phosphate Biomedical Cement Scaffolds from Calcite (CaCO ₃) Powder. <i>International Journal of Applied Ceramic Technology</i> , 2007, 4, 152-163.	2.1	28
33	Crystal Structures of the High-Temperature Forms of Ln ₂ Si ₂ O ₇ (Ln = La, Ce, Pr, Nd, Sm) Revisited. <i>Journal of the American Ceramic Society</i> , 1994, 77, 2968-2970.	3.8	25
34	Phase Relations in the System Ce ₂ O ₃ -Al ₂ O ₃ in Inert and Reducing Atmospheres. <i>Journal of the American Ceramic Society</i> , 1994, 77, 2961-2967.	3.8	23
35	X-ray diffraction data for flux-grown calcium hydroxyapatite whiskers. <i>Powder Diffraction</i> , 2001, 16, 102-106.	0.2	23
36	Chemical Synthesis of Crystalline, Pure or Mn-doped ZnGa ₂ O ₄ Powders at 90 Â°C. <i>Journal of Materials Research</i> , 2002, 17, 1425-1433.	2.6	23

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37	X-ray-amorphous calcium phosphate (ACP) synthesis in a simple biomineralization medium. Journal of Materials Chemistry B, 2013, 1, 4511.	5.8	23
38	Preparation of Strontium and Zinc Doped LaGaO_3 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	A protocol to develop crack-free biomimetic coatings on Ti6Al4V substrates. Journal of Materials Research, 2007, 22, 1593-1600.	2.6	20
40	Preparation of Lead Zirconate Titanate ($\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$) by Homogeneous Precipitation and Calcination. Journal of the American Ceramic Society, 1999, 82, 1582-1584.	3.8	19
41	Submicron spheres of amorphous calcium phosphate forming in a stirred SBF solution at 55°C. Journal of Non-Crystalline Solids, 2014, 400, 27-32.	3.1	19
42	Granules of Brushite and Octacalcium Phosphate from Marble. Journal of the American Ceramic Society, 2011, 94, 3722-3726.	3.8	16
43	Calcium metal to synthesize amorphous or cryptocrystalline calcium phosphates. Materials Science and Engineering C, 2012, 32, 1097-1106.	7.3	16
44	Electroless deposition of brushite ($\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$) crystals on Ti6Al4V at room temperature. International Journal of Materials Research, 2006, 97, 639-644.	0.3	15
45	Cerium Oxygen Apatite ($\text{Ce}_{4.67}[\text{SiO}_4]_3\text{O}$) X-Ray Diffraction Pattern Revisited. Powder Diffraction, 1992, 7, 219-222.	0.2	13
46	Phase Relations in the System $\text{Al}_2\text{O}_3\text{Ce}_2\text{Si}_2\text{O}_7$ in the Temperature Range 900o to 1925oC in Inert Atmosphere. Journal of the American Ceramic Society, 1993, 76, 1595-1601.	3.8	13
47	Chemical preparation of aluminum borate whiskers. Powder Diffraction, 2000, 15, 104-107.	0.2	10
48	Aragonite coating solutions (ACS) based on artificial seawater. Applied Surface Science, 2015, 330, 262-269.	6.1	10
49	Synthetic Aragonite (CaCO_3) as a Potential Additive in Calcium Phosphate Cements: Evaluation in Tris-Free SBF at 37°C. Journal of the American Ceramic Society, 2014, 97, 3052-3061.	3.8	8
50	Hydrothermal synthesis of dy-doped BaTiO_3 powders. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1999, 30, 1089-1093.	2.1	7
51	Non-stirred synthesis of Na- and Mg-doped, carbonated apatitic calcium phosphate. Ceramics International, 2013, 39, 1485-1493.	4.8	7
52	Grade-1 titanium soaked in a DMEM solution at 37°C. Materials Science and Engineering C, 2014, 36, 84-94.	7.3	7
53	Molten salt synthesis of potassium-containing hydroxyapatite microparticles used as protein substrate. Materials Letters, 2014, 128, 421-424.	2.6	6
54	A Self-Setting, Monetite (CaHPO_4) Cement for Skeletal Repair. Ceramic Engineering and Science Proceedings, 0, , 61-69.	0.1	6

#	ARTICLE	IF	CITATIONS
55	Use of Vaterite and Calcite in Forming Calcium Phosphate Cement Scaffolds. , 0 , 135-150.		5
56	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
57	Characterization of new solid solution phases in (Y,Ca)(Cr,Co)O ₃ system. Powder Diffraction, 1995, 10, 40-43.	0.2	2
58	Development of biomineralization solutions to facilitate the transformation of brushite (CaHPO ₄ ·2H ₂ O) into octacalcium phosphate (Ca ₈ (HPO ₄) ₂ (PO ₄) ₄ ·5H ₂ O). , 2010, , .		1
59	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
60	Chemical Processing of Brushite: Its Conversion to Apatite or Ca ₂ P ₂ O ₇ . Ceramic Engineering and Science Proceedings, 0 , 543-548.	0.1	0
61	In Vitro Comparison of the Apatite Inducing Ability of Three Different SBF Solutions on Ti6Al4V. Ceramic Engineering and Science Proceedings, 2008, , 111-118.	0.1	0
62	Preparation of biphasic brushite-apatite orthopedic cement powders by chemical precipitation. , 2010, , .		0
63	A novel particle morphology for the brushite (CaHPO ₄ ·2H ₂ O) powders used in orthopedic cements. , 2010, , .		0