

Chikara Ohtsuki

List of Publications by Year in descending order

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261
papers

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citations

47409

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times ranked

8283
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymer-induced liquid precursors (PILPs) and bone regeneration. , 2021, , 391-398.		1
2	Bioactive ceramics: Past and future. , 2021, , 377-388.		1
3	Incorporation behavior and biomedical applications of inorganic-layered compounds. , 2021, , 139-158.		1
4	Incorporation of tetracarboxylate ions into octacalcium phosphate for the development of next-generation biofriendly materials. Communications Chemistry, 2021, 4, .	2.0	19
5	Thixotropic Hydrogels Composed of Self-Assembled Nanofibers of Double-Hydrophobic Elastin-Like Block Polypeptides. International Journal of Molecular Sciences, 2021, 22, 4104.	1.8	14
6	Selective adsorption of dyes on TiO ₂ -modified hydroxyapatite photocatalysts morphologically controlled by solvothermal synthesis. Journal of Environmental Chemical Engineering, 2021, 9, 105738.	3.3	15
7	Organic modification of layered zirconium phosphate/phosphonate for controlled release of therapeutic inorganic ions. Science and Technology of Advanced Materials, 2021, 22, 1000-1012.	2.8	4
8	Preparation of layered calcium silicate organically modified with two types of functional groups for varying chemical stability. Journal of Asian Ceramic Societies, 2021, 9, 113-123.	1.0	4
9	Tearable and Fillable Composite Sponges Capable of Heat Generation and Drug Release in Response to Alternating Magnetic Field. Materials, 2020, 13, 3637.	1.3	5
10	Hydroxyapatite Formation from Octacalcium Phosphate and Its Related Compounds: A Discussion of the Transformation Mechanism. Bulletin of the Chemical Society of Japan, 2020, 93, 701-707.	2.0	18
11	Human stem cell response to layered zirconium phosphate. RSC Advances, 2020, 10, 36051-36057.	1.7	3
12	Behaviour of calcium phosphate ester salts in a simulated body fluid modified with alkaline phosphatase: a new concept of ceramic biomaterials. Materials Advances, 2020, 1, 3215-3220.	2.6	3
13	Rheology of Dispersions of High-Aspect-Ratio Nanofibers Assembled from Elastin-Like Double-Hydrophobic Polypeptides. International Journal of Molecular Sciences, 2019, 20, 6262.	1.8	7
14	Apatite coating on dendrimer-modified buckypaper and the formation of nanoapatite on MWCNTs. Polymer Journal, 2018, 50, 911-917.	1.3	4
15	Ring-Like Assembly of Silica Nanospheres in the Presence of Amphiphilic Block Copolymer: Effects of Particle Size. Langmuir, 2018, 34, 7751-7758.	1.6	11
16	Introduction of Alkylammonium into Calcium Silicate Hydrate Towards Application in Development of Novel Biomaterial. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2018, 65, 325-327.	0.1	0
17	Double- ϵ -hydrophobic elastin-like polypeptides with added functional motifs: Self-assembly and cytocompatibility. Journal of Biomedical Materials Research - Part A, 2017, 105, 2475-2484.	2.1	16
18	Bioactive Glass-Ceramics. , 2017, , 213-237.		1

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19	Periodic Surface-Ring Pattern Formation for Hydroxyapatite Thin Films Formed by Biom mineralization-Inspired Processes. <i>Langmuir</i> , 2017, 33, 10077-10083.	1.6	6
20	Ceramic-Polymer Composites for Biomedical Applications. , 2016, , 287-300.		1
21	Rapid and topotactic transformation from octacalcium phosphate to hydroxyapatite (HAP): a new approach to self-organization of free-standing thin-film HAP-based nanohybrids. <i>CrystEngComm</i> , 2016, 18, 8388-8395.	1.3	21
22	Hydroxyapatite formation from calcium carbonate single crystal under hydrothermal condition: Effects of processing temperature. <i>Ceramics International</i> , 2016, 42, 1886-1890.	2.3	27
23	Fabrication of Porous <math>\beta</math>-TCP/Gellan Gum Scaffold for Bone Tissue Engineering. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 3077-3083.	0.9	7
24	Calcium phosphate-forming ability of magnetite and related materials in a solution mimicking in vivo conditions. <i>Journal of Asian Ceramic Societies</i> , 2015, 3, 44-49.	1.0	10
25	A unified in vitro evaluation for apatite-forming ability of bioactive glasses and their variants. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 115.	1.7	275
26	Fabrication of self-standing films consisting of enamel-like oriented nanorods using artificial peptide. <i>CrystEngComm</i> , 2015, 17, 5551-5555.	1.3	18
27	Continuous expansion of the interplanar spacing of octacalcium phosphate by incorporation of dicarboxylate ions with a side chain. <i>Dalton Transactions</i> , 2015, 44, 7943-7950.	1.6	35
28	Hydroxyapatite formation on oxidized cellulose nanofibers in a solution mimicking body fluid. <i>Polymer Journal</i> , 2015, 47, 158-163.	1.3	25
29	Hydroxyapatite formation on titania-based materials in a solution mimicking body fluid: Effects of manganese and iron addition in anatase. <i>Materials Science and Engineering C</i> , 2015, 48, 279-286.	3.8	7
30	Ceramic-Polymer Composites for Biomedical Applications. , 2015, , 1-12.		2
31	Organic-Inorganic Composites Toward Biomaterial Application. <i>Frontiers of Oral Biology</i> , 2015, 17, 33-38.	1.5	7
32	Utilization of star-shaped polymer architecture in the creation of high-density polymer brush coatings for the prevention of platelet and bacteria adhesion. <i>Biomaterials Science</i> , 2014, 2, 1172.	2.6	18
33	Hydroxyapatite formation through dissolution-precipitation reaction: Effects of solubility of starting materials. <i>Ceramics International</i> , 2014, 40, 14385-14390.	2.3	13
34	Formation of serrated nanorods of hydroxyapatite through organic modification under hydrothermal processing. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	3
35	Effects of polymer concentration on the morphology of calcium phosphate crystals formed in polyacrylamide hydrogels. <i>Journal of Crystal Growth</i> , 2013, 383, 166-171.	0.7	12
36	Characteristics of glass ionomer cements composed of glass powders in CaO-SrO-ZnO-SiO ₂ system prepared by two different synthetic routes. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 2677-2682.	1.7	1

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37	Biomimetic mineralization of calcium phosphates in polymeric hydrogels containing carboxyl groups. Journal of Asian Ceramic Societies, 2013, 1, 155-162.	1.0	24
38	Formation of <i>c</i> -axis-oriented columnar structures through controlled epitaxial growth of hydroxyapatite. Journal of Asian Ceramic Societies, 2013, 1, 143-148.	1.0	15
39	Syntheses, structures, and photochemical properties of (1/3-O)tris[bis(1/4-carboxylato)]trimanganese complexes with naphthylacetate ligands with relevance to artificial solar energy-harvesting systems. Inorganica Chimica Acta, 2013, 406, 130-137.	1.2	2
40	Apatite mineralization behavior on polyglutamic acid hydrogels in aqueous condition: Effects of molecular weight. Bio-Medical Materials and Engineering, 2013, 23, 339-347.	0.4	5
41	Development of highly functionalized ceramic biomaterials. Journal of the Ceramic Society of Japan, 2013, 121, 129-134.	0.5	4
42	Organic-Inorganic Composites Designed for Biomedical Applications. Biological and Pharmaceutical Bulletin, 2013, 36, 1670-1675.	0.6	28
43	Formation of organically modified octacalcium phosphate in solutions containing various amounts of benzenedicarboxylic acids. Journal of the Ceramic Society of Japan, 2013, 121, 219-225.	0.5	21
44	Behavior of hydroxyapatite crystals in a simulated body fluid: effects of crystal face. Journal of the Ceramic Society of Japan, 2013, 121, 807-812.	0.5	23
45	Biom mineralization on chemically synthesized collagen containing immobilized poly- γ -glutamic acid. Dental Materials Journal, 2013, 32, 544-549.	0.8	14
46	Comparative study of hydroxyapatite formation from β - and γ -tricalcium phosphates under hydrothermal conditions. Journal of the Ceramic Society of Japan, 2012, 120, 131-137.	0.5	19
47	Formation of octacalcium phosphates with co-incorporated succinate and suberate ions. Dalton Transactions, 2012, 41, 2732.	1.6	18
48	MINERALIZATION OF CALCIUM PHOSPHATE ON OCTACALCIUM PHOSPHATE IN A SOLUTION MIMICKING IN VIVO CONDITIONS. Phosphorus Research Bulletin, 2012, 26, 71-76.	0.1	12
49	Interfacial shear strength of bioactive-coated carbon fiber reinforced polyetheretherketone after in vivo implantation. Journal of Orthopaedic Research, 2012, 30, 1618-1625.	1.2	51
50	Hydroxyapatite formation by solvothermal treatment of β -tricalcium phosphate with water-ethanol solution. Ceramics International, 2012, 38, 1003-1010.	2.3	32
51	Synthesis of octacalcium phosphate with incorporated succinate and suberate ions. Ceramics International, 2012, 38, 3815-3820.	2.3	19
52	Hydrothermal synthesis of composites of well-crystallized hydroxyapatite and poly(vinyl alcohol) hydrogel. Materials Science and Engineering C, 2012, 32, 397-403.	3.8	19
53	Formation of Oriented Hydroxyapatite Rods by Hydrothermal Treatment of Calcite Single Crystal. Korean Journal of Materials Research, 2012, 22, 397-402.	0.1	4
54	Modification of Polyglutamic Acid with Silanol Groups and Calcium Salts to Induce Calcification in a Simulated Body Fluid. Journal of Biomaterials Applications, 2011, 25, 581-594.	1.2	22

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55	Strategy to reduce carbonate incorporation in the fabrication of hydroxyapatite nanopowders. Journal of the Ceramic Society of Japan, 2011, 119, 947-953.	0.5	2
56	In vitro study of carbonated hydroxyapatite compacts prepared by double-step hydrothermal method. IOP Conference Series: Materials Science and Engineering, 2011, 18, 192008.	0.3	0
57	Effect of urea on formation of hydroxyapatite through double-step hydrothermal processing. Materials Science and Engineering C, 2011, 31, 1383-1388.	3.8	18
58	Thermoreversible behavior of λ -carrageenan and its apatite-forming ability in simulated body fluid. Materials Science and Engineering C, 2011, 31, 1472-1476.	3.8	27
59	Effect of ammonium carbonate on formation of calcium-deficient hydroxyapatite through double-step hydrothermal processing. Journal of Materials Science: Materials in Medicine, 2011, 22, 209-216.	1.7	9
60	Control of setting behavior of calcium phosphate paste using gelatinized starch. Journal of the Ceramic Society of Japan, 2010, 118, 421-424.	0.5	12
61	Apatite formation abilities of various carrageenan gels in simulated body environment. Journal of the Ceramic Society of Japan, 2010, 118, 487-490.	0.5	10
62	Formation of octacalcium phosphate with incorporated succinic acid through gel-mediated processing. Journal of the Ceramic Society of Japan, 2010, 118, 491-497.	0.5	13
63	Fabrication of porous blocks of calcium phosphate through hydrothermal processing under glycine coexistence. Journal of the Ceramic Society of Japan, 2010, 118, 559-563.	0.5	12
64	Hydroxyapatite-forming capability and mechanical properties of organic-inorganic hybrids and α -tricalcium phosphate porous bodies. Journal of the Ceramic Society of Japan, 2010, 118, 57-61.	0.5	8
65	Effects of surface carboxylic acid groups of cerasomes, morphologically stable vesicles having a silica surface, on biomimetic deposition of hydroxyapatite in body fluid conditions. Journal of Materials Science: Materials in Medicine, 2010, 21, 11-19.	1.7	15
66	In vitro apatite formation on organic-inorganic hybrids in the $\text{CaO-SiO}_2\text{-P}_2\text{O}_5$ /poly(tetramethylene) Tj $\text{CaO-SiO}_2\text{-P}_2\text{O}_5$ /Over	1.7	17
67	Sensing of protein adsorption with a porous bulk composite comprising silver nanoparticles deposited on hydroxyapatite. Journal of Materials Science: Materials in Medicine, 2010, 21, 1225-1232.	1.7	17
68	Hydroxyapatite formation on porous ceramics of alpha-tricalcium phosphate in a simulated body fluid. Journal of Materials Science: Materials in Medicine, 2010, 21, 1921-1926.	1.7	26
69	Crystallization of calcium phosphate in polyacrylamide hydrogels containing phosphate ions. Journal of Crystal Growth, 2010, 312, 2376-2382.	0.7	20
70	Biomimetic mineralization of calcium phosphate crystals in polyacrylamide hydrogel: Effect of concentrations of calcium and phosphate ions on crystalline phases and morphology. Materials Science and Engineering C, 2010, 30, 154-159.	3.8	39
71	Acceleration of calcium phosphate formation on bioactive PMMA-based bone cement by controlling spatial design. Materials Science and Engineering C, 2010, 30, 624-630.	3.8	2
72	Synthesis of a bi-structured hybrid in a $\text{CaO-SiO}_2\text{-PTMO}$ system and in vitro evaluation on its potential of bone-bonding property. Materials Science and Engineering C, 2010, 30, 454-459.	3.8	1

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73	Sensing of Protein Adsorption by Composites Consisting of Silver Nanoparticles and Hydroxyapatite. <i>Advances in Science and Technology</i> , 2010, 76, 90-99.	0.2	0
74	Synthesis of Bioactive HEMA- <i>MP</i> S ₂ Hybrid Gels: Effects of Catalysts in the Sol-Gel Processing on Mechanical Properties and <i>in vitro</i> Hydroxyapatite Formation in a Simulated Body Fluid. <i>Journal of Biomaterials Applications</i> , 2009, 23, 519-532.	1.2	6
75	Bioactive ceramic-based materials with designed reactivity for bone tissue regeneration. <i>Journal of the Royal Society Interface</i> , 2009, 6, S349-60.	1.5	135
76	Synthesis of calcium phosphate crystals in a silica hydrogel containing phosphate ions. <i>Journal of Materials Research</i> , 2009, 24, 2154-2160.	1.2	17
77	Effect of spatial design and thermal oxidation on apatite formation on Ti-15Zr-4Ta-4Nb alloy. <i>Acta Biomaterialia</i> , 2009, 5, 298-304.	4.1	52
78	Apatite formation abilities and mechanical properties of hydroxyethylmethacrylate-based organic-inorganic hybrids incorporated with sulfonic groups and calcium ions. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 157-161.	1.7	18
79	The effect of glass synthesis route on mechanical and physical properties of resultant glass ionomer cements. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 1991-1999.	1.7	20
80	Fabrication of spherical Ca-Sr-Zn-SiO ₂ particles by sol-gel processing. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 2267-2273.	1.7	5
81	Characterisation and mechanical testing of hydrothermally treated HA/ZrO ₂ composites. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 2235-2241.	1.7	8
82	Effect of preparation conditions on the properties of bioactive glasses for testing SBF. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 2419-2426.	1.7	3
83	Apatite mineralization abilities and mechanical properties of covalently cross-linked pectin hydrogels. <i>Materials Science and Engineering C</i> , 2009, 29, 1765-1769.	3.8	27
84	Bioactive Composites Consisting of PEEK and Calcium Silicate Powders. <i>Journal of Biomaterials Applications</i> , 2009, 24, 105-118.	1.2	61
85	Hybridization of silver nanoparticles on hydroxyapatite in an aqueous solution. <i>Journal of the Ceramic Society of Japan</i> , 2009, 117, 294-298.	0.5	7
86	Induced deposition of bone-like hydroxyapatite on thermally oxidized titanium substrates using a spatial gap in a solution that mimics a body fluid. <i>Journal of the Ceramic Society of Japan</i> , 2009, 117, 515-520.	0.5	28
87	Formation of needle-like hydroxyapatite by hydrothermal treatment of CaHPO ₄ ·2H ₂ O combined with .BETA.-Ca ₃ (PO ₄) ₂ . <i>Journal of the Ceramic Society of Japan</i> , 2009, 117, 759-764.	0.5	15
88	Protein adsorption on needle-shaped hydroxyapatite prepared by hydrothermal treatment of mixture composed of CaHPO ₄ ·2H ₂ O and .BETA.-Ca ₃ (PO ₄) ₂ . <i>Journal of the Ceramic Society of Japan</i> , 2009, 117, 847-850.	0.5	16
89	Development of Bioactive Organic-Inorganic Hybrids Through Sol-Gel Processing. , 2009, , 769-793.		1
90	Apatite-Forming Ability of Organic-Inorganic Hybrids Prepared from Calcium Silicate and Glucomannan. <i>Key Engineering Materials</i> , 2008, 361-363, 567-570.	0.4	0

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91	Synthesis of Si-Containing Tricalcium Phosphate and its Sintering Behavior. <i>Key Engineering Materials</i> , 2008, 361-363, 59-62.	0.4	14
92	Preparation of bioactive microspheres of organic modified calcium silicates through sol-gel processing. <i>Journal of Sol-Gel Science and Technology</i> , 2008, 45, 43-49.	1.1	7
93	Biomimetic deposition of hydroxyapatite on a synthetic polypeptide with β sheet structure in a solution mimicking body fluid. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 387-393.	1.7	22
94	Relationship between apatite-forming ability and mechanical properties of bioactive PMMA-based bone cement modified with calcium salts and alkoxy silane. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 1399-1405.	1.7	31
95	Apatite-forming ability of polyglutamic acid hydrogels in a body-simulating environment. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 2269-2274.	1.7	55
96	Preparation of bioactive spherical particles in the CaO-SiO ₂ system through sol-gel processing under coexistence of poly(ethylene glycol). <i>Journal of the European Ceramic Society</i> , 2008, 28, 1595-1602.	2.8	19
97	Review Paper: Behavior of Ceramic Biomaterials Derived from Tricalcium Phosphate in Physiological Condition. <i>Journal of Biomaterials Applications</i> , 2008, 23, 197-212.	1.2	232
98	Indirect selective laser sintering of apatite-zirconia glass ceramic. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2008, 222, 1107-1114.	1.0	34
99	In vivo Response of Bioactive PMMA-based Bone Cement Modified with Alkoxy silane and Calcium Acetate. <i>Journal of Biomaterials Applications</i> , 2008, 23, 213-228.	1.2	19
100	Formation of hydroxyapatite on ceramics consisting of tricalcium phosphate in a simulated body fluid. <i>Journal of the Ceramic Society of Japan</i> , 2008, 116, 96-99.	0.5	10
101	Structure-Photodynamic Effect Relationships of 24 Glycoconjugated Photosensitizers in HeLa Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2008, 31, 2265-2272.	0.6	25
102	Surface Topography Designed to Provide Osteoconductivity to Titanium after Thermal Oxidation. <i>Materials Transactions</i> , 2008, 49, 428-434.	0.4	28
103	Apatite-forming ability of organic-inorganic hybrids fabricated from glucomannan by chemical modification with alkoxy silane and calcium salt. <i>Journal of the Ceramic Society of Japan</i> , 2008, 116, 46-49.	0.5	1
104	Synthesis of octacalcium phosphate intercalated with dicarboxylate ions from calcium carbonate and phosphoric acid. <i>Journal of the Ceramic Society of Japan</i> , 2008, 116, 481-485.	0.5	33
105	Synthesis of ceramics in MOn/2-SiO ₂ systems through sol-gel processing under coexistence of polyethylene glycol and in vitro evaluation of their bioactivity. <i>Journal of the Ceramic Society of Japan</i> , 2008, 116, 56-62.	0.5	3
106	Preparation of hydroxyapatite porous ceramics with different porous structures using a hydrothermal treatment with different aqueous solutions. <i>Journal of the Ceramic Society of Japan</i> , 2008, 116, 6-9.	0.5	38
107	Evaluation of apatite-forming ability and mechanical property of pectin hydrogels. <i>Journal of the Ceramic Society of Japan</i> , 2008, 116, 74-78.	0.5	14
108	Preparation and Structural Analysis of CaO-SiO ₂ Gel by Sol-Gel Method. <i>Journal of the Korean Ceramic Society</i> , 2008, 45, 644-650.	1.1	0

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109	Gap Effect on the Heterogeneous Nucleation of Apatite on Thermally Oxidized Titanium Substrate. Key Engineering Materials, 2007, 361-363, 621-624.	0.4	10
110	Apatite-Forming Ability of Pectin Gels in Simulated Body Environment. Key Engineering Materials, 2007, 330-332, 675-678.	0.4	0
111	Effects of Polyethylene Glycol on Morphology of Bioactive CaO-SiO ₂ Gel. Key Engineering Materials, 2007, 330-332, 177-180.	0.4	0
112	Apatite-Forming Ability of Polyglutamic Acid Gel in Simulated Body Fluid: Effect of Cross-Linking Agent. Key Engineering Materials, 2007, 330-332, 683-686.	0.4	4
113	Synthesis of Osteoconductive Organic-Inorganic Nanohybrids through Modification of Chitin with Alkoxysilane and Calcium Chloride. Journal of Biomaterials Applications, 2007, 22, 71-81.	1.2	8
114	Effects of Cross-Linking Agent on Apatite-Forming Ability and Mechanical Property of Organic-Inorganic Hybrids Based on Starch. Materials Transactions, 2007, 48, 317-321.	0.4	12
115	Synthesis of Calcium Phosphates Containing Metal Ions and Evaluation of their Catalytic Activity for the Decomposition of Hydrogen Peroxide. Journal of the Ceramic Society of Japan, 2007, 115, 425-428.	1.3	3
116	Synthesis of Organic-Inorganic Hybrids of Poly(Tetramethylene Oxide)-Calcium Silicate and in vitro Evaluation of Their Bioactivity. Journal of the Ceramic Society of Japan, 2007, 115, 732-737.	0.5	4
117	Sugar-dependent photodynamic effect of glycoconjugated porphyrins: A study on photocytotoxicity, photophysical properties and binding behavior to bovine serum albumin (BSA). Biochimica Et Biophysica Acta - General Subjects, 2007, 1770, 1204-1211.	1.1	45
118	Coating of bone-like apatite for development of bioactive materials for bone reconstruction. Biomedical Materials (Bristol), 2007, 2, R17-R23.	1.7	48
119	Apatite-forming ability of micro-arc plasma oxidized layer of titanium in simulated body fluids. Surface and Coatings Technology, 2007, 201, 5651-5654.	2.2	29
120	Design of novel bioactive materials through organic modification of calcium silicate. Journal of the European Ceramic Society, 2007, 27, 1527-1533.	2.8	25
121	Coating bone-like apatite onto organic substrates using solutions mimicking body fluid. Journal of Tissue Engineering and Regenerative Medicine, 2007, 1, 33-38.	1.3	71
122	Optical oxygen-sensing properties of porphyrin derivatives anchored on ordered porous aluminium oxide plates. Photochemical and Photobiological Sciences, 2007, 6, 794.	1.6	14
123	In vitro apatite formation on polyamide containing carboxyl groups modified with silanol groups. Journal of Materials Science: Materials in Medicine, 2007, 18, 1037-1042.	1.7	29
124	Biological evaluation of an apatite-mullite glass-ceramic produced via selective laser sintering. Acta Biomaterialia, 2007, 3, 221-231.	4.1	81
125	Fabrication of poly(vinyl alcohol)-apatite hybrids through biomimetic process. Journal of the European Ceramic Society, 2007, 27, 1585-1588.	2.8	20
126	Apatite Formation Behavior on Tricalcium Phosphate (TCP) Porous Body in a Simulated Body Fluid. Key Engineering Materials, 2006, 309-311, 251-254.	0.4	8

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127	Removal of Formaldehyde by Hydroxyapatite Layer Biomimetically Deposited on Polyamide Film. <i>Environmental Science & Technology</i> , 2006, 40, 4281-4285.	4.6	41
128	Structure and Photochemical Properties of ($\frac{1}{4}$ -Alkoxy)bis($\frac{1}{4}$ -carboxylato)diruthenium Complexes with Naphthylacetate Ligands. <i>Inorganic Chemistry</i> , 2006, 45, 3048-3056.	1.9	6
129	APATITE FORMATION ON CaO,SiO ₂ -BASED GLASS-CERAMICS IN A SIMULATED BODY FLUID. <i>Phosphorus Research Bulletin</i> , 2006, 20, 101-110.	0.1	5
130	Effect of Silane-Coupling Treatment on Thermal Decomposition of Octacalcium Phosphate. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2006, 55, 881-884.	0.1	11
131	Preparation of Porous Glass-Ceramics Containing Whitlockite and Diopside for Bone Repair. <i>Journal of the Ceramic Society of Japan</i> , 2006, 114, 82-86.	1.3	15
132	Synthesis of Bioactive Organic-Inorganic Hybrids from Tetraisopropyl Titanate and Hydroxyethylmethacrylate. <i>Journal of the Ceramic Society of Japan</i> , 2006, 114, 87-91.	1.3	8
133	Hydroxyapatite-Forming Ability and Mechanical Properties of Organic-Inorganic Hybrids Reinforced by Calcium Phosphates. <i>Journal of the Ceramic Society of Japan</i> , 2006, 114, 692-696.	1.3	4
134	Effect of ZnO addition on bioactive CaO-SiO ₂ -P ₂ O ₅ -CaF ₂ glass-ceramics containing apatite and wollastonite. <i>Acta Biomaterialia</i> , 2006, 2, 467-471.	4.1	64
135	Mechanical and histological evaluation of a PMMA-based bone cement modified with β -methacryloxypropyltrimethoxysilane and calcium acetate. <i>Biomaterials</i> , 2006, 27, 3897-3903.	5.7	50
136	Sugar-dependent aggregation of glycoconjugated chlorins and its effect on photocytotoxicity in HeLa cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2006, 84, 56-63.	1.7	38
137	Repair of 20-mm long rabbit radial bone defects using BMP-derived peptide combined with an β -tricalcium phosphate scaffold. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 77A, 700-706.	2.1	74
138	Apatite Formation on Synthetic Polypeptide with β Sheet Structure in a Solution Mimicking Body Environment. <i>Key Engineering Materials</i> , 2006, 309-311, 489-492.	0.4	2
139	Comparison of Apatite Formation on Polyamide Films Containing Carboxyl and Sulfonic Groups in a Solution Mimicking Body Fluid. <i>Key Engineering Materials</i> , 2006, 309-311, 477-480.	0.4	0
140	Effects of Polyethylene Glycol and Methacryloxypropyltrimethoxysilane on Morphology and Bioactivity of CaO-SiO ₂ -Gel Prepared by Sol-Gel Method. <i>Key Engineering Materials</i> , 2006, 309-311, 317-320.	0.4	4
141	Development of Novel Bioactive PMMA-Based Bone Cement and its In Vitro and In Vivo Evaluation. <i>Key Engineering Materials</i> , 2006, 309-311, 801-804.	0.4	5
142	Apatite Deposition on Polypeptides Derived from Plants in a Solution Mimicking Body Fluid. <i>Key Engineering Materials</i> , 2006, 309-311, 671-674.	0.4	0
143	I : New Fabrication Process Mimicking Surface Reaction of Material under Body Environment. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2006, 55, 885-890.	0.1	0
144	A Comparative Study of Apatite Deposition on Polyamide Films Containing Different Functional Groups under a Biomimetic Condition. <i>Journal of the Ceramic Society of Japan</i> , 2005, 113, 588-592.	1.3	17

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145	Cellular uptake and photocytotoxicity of glycoconjugated chlorins in HeLa cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2005, 78, 7-15.	1.7	46
146	Synthesis and insulin-mimetic activities of metal complexes with 3-hydroxypyridine-2-carboxylic acid. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 1275-1282.	1.5	56
147	Mesoporous Calcium Phosphate Via Post-Treatment of alpha-TCP. <i>Journal of the American Ceramic Society</i> , 2005, 88, 822-826.	1.9	29
148	Accelerated bone repair with the use of a synthetic BMP-2-derived peptide and bone-marrow stromal cells. <i>Journal of Biomedical Materials Research Part B</i> , 2005, 72A, 77-82.	3.0	95
149	Enhanced fixation of implants by bone ingrowth to titanium fiber mesh: Effect of incorporation of hydroxyapatite powder. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2005, 75B, 168-176.	1.6	16
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