

Masanobu Kamitakahara

List of Publications by Year in descending order

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65
papers

1,136
citations

516710

16
h-index

414414

32
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65
all docs

65
docs citations

65
times ranked

1321
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparing dense Yb ₂ SiO ₅ sintered bodies from Yb ³⁺ O powder synthesized by the polymerizable complex method and appropriate calcination. Journal of the Ceramic Society of Japan, 2022, 130, 118-122.	1.1	1
2	Sustainable process for enhanced CO ₂ mineralization of calcium silicates using a recyclable chelating agent under alkaline conditions. Journal of Environmental Chemical Engineering, 2022, 10, 107055.	6.7	11
3	Experiment and DEM Simulation on Bending Fracture of Ultra-fine Grained Cemented Carbide. Funtai Oyobi Fummsatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2022, 69, 249-256.	0.2	0
4	Fabrication and evaluation of ascorbic acid phosphate-loaded spherical porous hydroxyapatite/octacalcium phosphate granules. Journal of the Ceramic Society of Japan, 2021, 129, 60-65.	1.1	4
5	Incorporation of tetracarboxylate ions into octacalcium phosphate for the development of next-generation biofriendly materials. Communications Chemistry, 2021, 4, .	4.5	19
6	Monte Carlo Simulation and Experimental Study for Sintering and Grain Growth of Alumina. Funtai Oyobi Fummsatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2021, 68, 271-277.	0.2	0
7	Enhancement of aragonite mineralization with a chelating agent for CO ₂ storage and utilization at low to moderate temperatures. Scientific Reports, 2021, 11, 13956.	3.3	8
8	Adhesion Behavior of Microorganisms Isolated from Soil on Hydroxyapatite and Other Materials. Applied Biochemistry and Biotechnology, 2019, 187, 984-993.	2.9	3
9	Formation Process of Hydroxyapatite Granules in Agarose Hydrogel by Electrophoresis. Crystal Growth and Design, 2018, 18, 1961-1966.	3.0	2
10	Preparation of spherical porous hydroxyapatite granules as support materials for microorganisms. Journal of the Ceramic Society of Japan, 2018, 126, 732-735.	1.1	2
11	Development of Artificial Bone Capable of Drug Loading using Octacalcium Phosphate. Funtai Oyobi Fummsatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2018, 65, 197-201.	0.2	0
12	Regulation and Biological Significance of Formation of Osteoclasts and Foreign Body Giant Cells in an Extraskelatal Implantation Model. Acta Histochemica Et Cytochemica, 2016, 49, 97-107.	1.6	12
13	Effect of silicate incorporation on in vivo responses of β -tricalcium phosphate ceramics. Journal of Materials Science: Materials in Medicine, 2016, 27, 97.	3.6	10
14	Spherical porous hydroxyapatite granules containing composites of magnetic and hydroxyapatite nanoparticles for the hyperthermia treatment of bone tumor. Journal of Materials Science: Materials in Medicine, 2016, 27, 93.	3.6	16
15	Diversity of multinucleated giant cells by microstructures of hydroxyapatite and plasma components in extraskelatal implantation model. Acta Biomaterialia, 2016, 39, 180-191.	8.3	6
16	Effects of carbonate inclusion on fluoride ion removal by hydroxyapatite: A discussion from the viewpoint of hydroxyapatite dissolution. Journal of the Ceramic Society of Japan, 2016, 124, 1211-1216.	1.1	4
17	Adhesion behaviors of Escherichia coli on hydroxyapatite. Materials Science and Engineering C, 2016, 61, 169-173.	7.3	18
18	Synthesis of layered double hydroxide coatings with an oriented structure and controllable thickness on aluminium substrates. CrystEngComm, 2016, 18, 1207-1214.	2.6	14

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19	Ability of Hydroxyapatite Synthesized from Waste Oyster Shells to Remove Fluoride Ions. <i>Materials Transactions</i> , 2015, 56, 1509-1512.	1.2	11
20	Behavior of osteoblast-like cells on calcium-deficient hydroxyapatite ceramics composed of particles with different shapes and sizes. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 239-245.	3.6	7
21	Importance of nucleation in transformation of octacalcium phosphate to hydroxyapatite. <i>Materials Science and Engineering C</i> , 2014, 40, 121-126.	7.3	26
22	Effect of preparation temperature on the ability of bone char to remove fluoride ion and organic contaminants. <i>Journal of the Ceramic Society of Japan</i> , 2014, 122, 995-999.	1.1	14
23	Formation of Stacked Disc-shaped Layered Double Hydroxides by Homogeneous Precipitation Method. <i>Chemistry Letters</i> , 2014, 43, 234-236.	1.3	4
24	Preparation and evaluation of spherical Ca-deficient hydroxyapatite granules with controlled surface microstructure as drug carriers. <i>Materials Science and Engineering C</i> , 2013, 33, 2446-2450.	7.3	21
25	Formation of organically modified octacalcium phosphate in solutions containing various amounts of benzenedicarboxylic acids. <i>Journal of the Ceramic Society of Japan</i> , 2013, 121, 219-225.	1.1	21
26	PREPARATION OF SPHERICAL GRANULES OF OCTACALCIUM PHOSPHATE FOR MEDICAL APPLICATION. <i>Functional Materials Letters</i> , 2012, 05, 1260009.	1.2	6
27	Production of tubular porous hydroxyapatite using electrophoretic deposition. <i>Journal of the Ceramic Society of Japan</i> , 2012, 120, 569-573.	1.1	23
28	Hydrothermal synthesis of porous hydroxyapatite ceramics composed of rod-shaped particles and evaluation of their fracture behavior. <i>Ceramics International</i> , 2012, 38, 1649-1654.	4.8	26
29	Synthesis of nanosized porous hydroxyapatite granules in hydrogel by electrophoresis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 97, 236-239.	5.0	16
30	Tubular hydroxyapatite formation through a hydrothermal process from β -tricalcium phosphate with anatase. <i>Journal of Materials Science</i> , 2012, 47, 4194-4199.	3.7	10
31	COMPARISON OF ADSORPTION BEHAVIOR OF BOVINE SERUM ALBUMIN AND OSTEOPOINTIN ON HYDROXYAPATITE AND ALUMINA. <i>Phosphorus Research Bulletin</i> , 2012, 26, 23-28.	0.6	7
32	TECHNIQUES FOR PREPARING PURE β -TRICALCIUM PHOSPHATE GRANULES COMPOSED OF ROD-SHAPED PARTICLES. <i>Phosphorus Research Bulletin</i> , 2012, 26, 29-32.	0.6	1
33	EFFECT OF SYNTHETIC CONDITIONS ON MORPHOLOGY AND COMPOSITION OF CARBONATE-CONTAINING HYDROXYAPATITE HYDROTHERMALLY SYNTHESIZED FROM CALCIUM CARBONATE. <i>Phosphorus Research Bulletin</i> , 2011, 25, 72-77.	0.6	2
34	Behavior of β -tricalcium phosphate granules composed of rod-shaped particles in the rat tibia. <i>Journal of the Ceramic Society of Japan</i> , 2011, 119, 101-104.	1.1	1
35	Preparation of highly functional artificial bones using the properties of calcium phosphates. <i>Journal of the Ceramic Society of Japan</i> , 2011, 119, 266-270.	1.1	1
36	Effect of preparative conditions on crystallinity of apatite particles obtained from simulated body fluids. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 84, 545-549.	5.0	16

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37	Morphology and Composition of Hydroxyapatite Particles Synthesized Hydrothermally from Tricalcium Phosphates. Transactions of the Materials Research Society of Japan, 2011, 36, 405-408.	0.2	4
38	Formation of octacalcium phosphate with incorporated succinic acid through gel-mediated processing. Journal of the Ceramic Society of Japan, 2010, 118, 491-497.	1.1	13
39	Fabrication of porous blocks of calcium phosphate through hydrothermal processing under glycine coexistence. Journal of the Ceramic Society of Japan, 2010, 118, 559-563.	1.1	12
40	Hydroxyapatite-forming capability and mechanical properties of organic-inorganic hybrids and .ALPHA.-tricalcium phosphate porous bodies. Journal of the Ceramic Society of Japan, 2010, 118, 57-61.	1.1	8
41	Hydrothermal synthesis and characterization of hydroxyapatite from octacalcium phosphate. Journal of the Ceramic Society of Japan, 2010, 118, 762-766.	1.1	26
42	HYDROXYAPATITE CERAMICS FOR MEDICAL APPLICATION PREPARED BY HYDROTHERMAL METHOD. Phosphorus Research Bulletin, 2009, 23, 25-30.	0.6	8
43	Effect of preparation conditions on the properties of bioactive glasses for testing SBF. Journal of Materials Science: Materials in Medicine, 2009, 20, 2419-2426.	3.6	3
44	Stimulatory effect of hydrothermally synthesized biodegradable hydroxyapatite granules on osteogenesis and direct association with osteoclasts. Biomaterials, 2009, 30, 4390-4400.	11.4	64
45	Evaluation of photocatalytic activity of anatase/hydroxyapatite composite granules for environmental purification. Journal of the Ceramic Society of Japan, 2009, 117, 1172-1174.	1.1	8
46	Hydrothermal synthesis of hydroxyapatite from octacalcium phosphate: effect of hydrothermal temperature. Journal of the Ceramic Society of Japan, 2009, 117, 385-387.	1.1	33
47	Preparation and characterization of periodic porous frame of hydroxyapatite. Journal of the Ceramic Society of Japan, 2009, 117, 521-524.	1.1	14
48	Formation of needle-like hydroxyapatite by hydrothermal treatment of CaHPO ₄ ·2H ₂ O combined with .BETA.-Ca ₃ (PO ₄) ₂ . Journal of the Ceramic Society of Japan, 2009, 117, 759-764.	1.1	15
49	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 . Journal of the Ceramic Society of Japan, 2009, 117, 847-850.	1.1	16
50	The slow resorption with replacement by bone of a hydrothermally synthesized pure calcium-deficient hydroxyapatite. Biomaterials, 2008, 29, 2719-2728.	11.4	113
51	Review Paper: Behavior of Ceramic Biomaterials Derived from Tricalcium Phosphate in Physiological Condition. Journal of Biomaterials Applications, 2008, 23, 197-212.	2.4	232
52	Formation of hydroxyapatite on ceramics consisting of tricalcium phosphate in a simulated body fluid. Journal of the Ceramic Society of Japan, 2008, 116, 96-99.	1.1	10
53	Synthesis of octacalcium phosphate intercalated with dicarboxylate ions from calcium carbonate and phosphoric acid. Journal of the Ceramic Society of Japan, 2008, 116, 481-485.	1.1	33
54	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. Journal of the Ceramic Society of Japan, 2008, 116, 56-62.	1.1	3

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55	Preparation of hydroxyapatite porous ceramics with different porous structures using a hydrothermal treatment with different aqueous solutions. Journal of the Ceramic Society of Japan, 2008, 116, 6-9.	1.1	38
56	Hydrothermal synthesis of magnetite/hydroxyapatite composite material for hyperthermia therapy for bone cancer. Journal of the Ceramic Society of Japan, 2008, 116, 950-954.	1.1	72
57	Hydrothermal Synthesis of Hydroxyapatite Ceramics for Medical Application. , 2008, , .		1
58	Control of Calcium Phosphate Precipitation in Hydrogel. Key Engineering Materials, 2007, 330-332, 79-82.	0.4	2
59	Preparation of Magnetite Nanoparticles Coated with Silica via a Sol-gel Approach. Journal of the Ceramic Society of Japan, 2007, 115, 877-881.	1.1	10
60	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
61	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.	1.1	4
62	Coating of bone-like apatite for development of bioactive materials for bone reconstruction. Biomedical Materials (Bristol), 2007, 2, R17-R23.	3.3	48
63	Design of Bioactive Nano-Hybrids for Bone Tissue Regeneration. , 0, , 339-366.		0
64	Hydrothermal Treatment of Alpha Tricalcium Phosphate Porous Ceramics in Various Aqueous Solutions. Ceramic Engineering and Science Proceedings, 0, , 103-112.	0.1	0
65	Formation of Bone-Like Apatite on Tricalcium Phosphate Ceramics in a Solution Mimicking Body Fluid. Ceramic Engineering and Science Proceedings, 0, , 189-198.	0.1	0