Toshihiro Kasuga

List of Publications by Year
in descending order

209 papers	3,484 citations	172457 29 h-index	197818 49 g-index
210 all docs	210 docs citations	210 times ranked	2817 citing authors

#	Article	IF	Citations
1	Silver-doped calcium silicate sol-gel glasses with a cotton-wool-like structure for wound healing. Materials Science and Engineering C, 2022, 134, 112561.	7.3	7
2	Structure and dissolution behavior of boron-containing calcium phosphate invert glasses. Journal of Non-Crystalline Solids, 2022, 590, 121690.	3.1	2
3	Development of orthophosphosilicate glass/poly(lactic acid) composite anisotropic scaffolds for simultaneous reconstruction of bone quality and quantity. Journal of Biomedical Materials Research - Part A, 2021, 109, 788-803.	4.0	14
4	Potential of diatoms as phase change materials. Materials Letters, 2021, 282, 128673.	2.6	2
5	Design of silica-doped calcium carbonates and their composites for biomedical use. , 2021, , 245-260.		0
6	Electrospun cottonâ€“wool-like silica/gelatin hybrids with covalent coupling. Journal of Sol-Gel Science and Technology, 2021, 97, 11-26.	2.4	4
7	Structures and Dissolution Behaviors of Quaternary CaO-SrO-P2O5-TiO2 Glasses. Materials, 2021, 14, 1736.	2.9	6
8	Regulating size of silver nanoparticles on calcium carbonate via ultrasonic spray for effective antibacterial efficacy and sustained release. Materials Science and Engineering C, 2021, 125, 112083.	7.3	10
9	Diffusion of protons and sodium ions in silicophosphate glasses: insight based on first-principles molecular dynamic simulations. Physical Chemistry Chemical Physics, 2021, 23, 14580-14586.	2.8	4
10	Surface modification of cotton-wool-like bone void fillers consisting of biodegradable polymer-based composite fibers containing calcium-salt particles. Results in Materials, 2021, 12, 100236.	1.8	1
11	Exfoliation Resistance, Microstructure, and Oxide Formation Mechanisms of the White Oxide Layer on CP Ti and Tiâ€“Nbâ€“Taâ€“Zr Alloys. Materials, 2021, 14, 6599.	2.9	1
12	Preparation of an antibacterial amorphous thin film by radiofrequency magnetron sputtering using a 65ZnOâ€“30P2O5â€“5Nb2O5 glass. Journal of Non-Crystalline Solids, 2020, 528, 119724.	3.1	11
13	Removal of humic acid from aqueous solutions by a novel hydrogarnet/zeolite composite. SN Applied Sciences, 2020, 2, 1.	2.9	3
14	Coaxial Electrospun Fibermat of Poly(AM/DAAM)/ADH and PCL: Versatile Platform for Functioning Active Enzymes. Bulletin of the Chemical Society of Japan, 2020, 93, 1155-1163.	3.2	6
15	Three-Dimensional Cotton-Wool-Like Polyhydroxybutyrate/Siloxane-Doped Vaterite Composite Fibrous Scaffolds: Effect of Imogolite-Coating on Physicochemical and Cell Adhesion Properties. Frontiers in Materials, 2020, 7, .	2.4	2
16	Electrospinning 3D bioactive glasses for wound healing. Biomedical Materials (Bristol), 2020, 15, 015014.	3.3	30
17	Protein adsorption behaviors on siloxane-containing vaterite particles. Materials Letters, 2020, 264, 127280.	2.6	7
18	Heat transfer properties of <i>Morpho</i> butterfly wings and the dependence of these properties on the wing surface structure. RSC Advances, 2020, 10, 2786-2790.	3.6	5

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19	DISSOLUTION BEHAVIOR OF MgO-CaO-P2O5-TiO2 INVERT GLASSES. Phosphorus Research Bulletin, 2020, 36, 10-14.	0.6	2
20	Development of Scaffold Materials with Ion-releasing Ability for Stimulating Osteoblasts. Materia Japan, 2020, 59, 606-611.	0.1	0
21	Enhancing Wettability of Radio Frequency Magnetron-Sputtered Glass Films by Exploiting Structural Defects. Langmuir, 2019, 35, 11340-11344.	3.5	0
22	Development of bifunctional oriented bioactive glass/poly(lactic acid) composite scaffolds to control osteoblast alignment and proliferation. Journal of Biomedical Materials Research - Part A, 2019, 107, 1031-1041.	4.0	20
23	Combinatorial effects of inorganic ions on adhesion and proliferation of osteoblastâ€‑like cells. Journal of Biomedical Materials Research - Part A, 2019, 107, 1042-1051.	4.0	28
24	Coatings for metallic biomaterials. , 2019, , 369-382.		1
25	Oriented siloxane-containing vaterite/poly(lactic acid) composite scaffolds for controlling osteoblast alignment and proliferation. Journal of Asian Ceramic Societies, 2019, 7, 228-237.	2.3	4
26	Wettability and dynamics of water droplet on a snail shell. Journal of Colloid and Interface Science, 2019, 547, 111-116.	9.4	5
27	Tuning of ion-release capability from bio-ceramic-polymer composites for enhancing cellular activity. Royal Society Open Science, 2019, 6, 190612.	2.4	9
28	Structural Analysis of 65ZnOâ€“30P₂O₅â€“5Nb₂O₅ Invert Glass Using X-ray Photoelectron Spectroscopy. Materials Transactions, 2019, 60, 1707-1710.	1.2	3
29	Structural effects of phosphate groups on apatite formation in a copolymer modified with Ca²⁺ in a simulated body fluid. Journal of Materials Chemistry B, 2018, 6, 174-182.	5.8	7
30	Preparation of Calcium Phosphate Glasses Containing Nb₂O₅ and TiO₂. Key Engineering Materials, 2018, 782, 47-52.	0.4	0
31	Structural changes in calcium silicate hydrate gel and resulting improvement in phosphate species removal properties after mechanochemical treatment. Royal Society Open Science, 2018, 5, 181403.	2.4	5
32	Adsorption behaviour of hydrogarnet for humic acid. Royal Society Open Science, 2018, 5, 172023.	2.4	6
33	Tailoring the delivery of therapeutic ions from bioactive scaffolds while inhibiting their apatite nucleation: a coaxial electrospinning strategy for soft tissue regeneration. RSC Advances, 2017, 7, 3992-3999.	3.6	8
34	Improving the biocompatibility of tobermorite by incorporating calcium phosphate clusters. Bio-Medical Materials and Engineering, 2017, 28, 31-36.	0.6	3
35	Preparation of orthophosphate glasses in the MgOâ€“CaOâ€“SiO2â€“Nb2O5â€“P2O5 system. Bio-Medical Materials and Engineering, 2017, 28, 23-30.	0.6	3
36	Synthesis and dissolution behaviour of CaO/SrO-containing solâ€“gel-derived 58S glasses. Journal of Materials Science, 2017, 52, 8858-8870.	3.7	17

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37	Construction of DNAzyme-Encapsulated Fibermats Using the Precursor Network Polymer of Poly(Î³-glutamate) and 4-Glycidyloxypropyltrimethoxysilane. Langmuir, 2017, 33, 4028-4035.	3.5	6
38	Osteoblast-like cell responses to silicate ions released from 45S5-type bioactive glass and siloxane-doped vaterite. Journal of Materials Science, 2017, 52, 8942-8956.	3.7	18
39	Silica/methacrylate class II hybrid: telomerisation vs. RAFT polymerisation. Polymer Chemistry, 2017, 8, 3603-3611.	3.9	7
40	Experimental and Theoretical Investigation of the Structural Role of Titanium Oxide in CaO-P₂O₅â€“TiO₂ Invert Glass. Journal of Physical Chemistry B, 2017, 121, 5433-5438.	2.6	16
41	Osteoblast-like cell responses to ion products released from magnesium- and silicate-containing calcium carbonates. Bio-Medical Materials and Engineering, 2017, 28, 47-56.	0.6	10
42	Utilization of diatom frustules for thermal management applications. Journal of Applied Phycology, 2017, 29, 1907-1911.	2.8	6
43	Interphase coordination design in carbamate-siloxane/vaterite composite microparticles towards tuning ion-releasing properties. Advanced Powder Technology, 2017, 28, 1349-1355.	4.1	4
44	Preparation of hybrids derived from zinc phosphate glasses and benzimidazole for anhydrous proton conduction applications. Journal of Materials Science, 2017, 52, 2263-2269.	3.7	2
45	Preparation of carbamate-containing vaterite particles for strontium removal in wastewater treatment. Journal of Asian Ceramic Societies, 2017, 5, 364-369.	2.3	6
46	Structure, dissolution behavior, cytocompatibility, and antibacterial activity of silverâ€containing calcium phosphate invert glasses. Journal of Biomedical Materials Research - Part A, 2017, 105, 3127-3135.	4.0	17
47	Thermal properties of silica-based hybrids with different alkyl chains. Ceramics International, 2017, 43, 880-883.	4.8	1
48	Formation and structural analysis of 15MgOâ€“15CaOâ€“8P2O5â€“4SiO2 glass. Journal of Non-Crystalline Solids, 2017, 457, 73-76.	3.1	16
49	Thermal properties of clay-containing nanocomposite films. Journal of the Ceramic Society of Japan, 2017, 125, 919-921.	1.1	1
50	Structure and dissolution behavior of orthophosphate MgOâ€“CaOâ€“P 2 O 5 â€“Nb 2 O 5 glass and glass-ceramic. Materials Letters, 2016, 175, 135-138.	2.6	17
51	Fabrication and inÂvitro characterization of electrospun poly (Î³-glutamic acid)-silica hybrid scaffolds for bone regeneration. Polymer, 2016, 91, 106-117.	3.8	28
52	Preparation of Antibacterial ZnO-CaO-P₂O₅-Nb₂O₅ Invert Glasses. Materials Transactions, 2016, 57, 2072-2076.	1.2	15
53	Structure and physicochemical properties of CaOâ€“P2O5â€“Nb2O5â€“Na2O glasses. Journal of Non-Crystalline Solids, 2016, 432, 60-64.	3.1	34
54	Construction and Characterization of Protein-Encapsulated Electrospun Fibermats Prepared from a Silica/Poly(Î³-glutamate) Hybrid. Langmuir, 2016, 32, 221-229.	3.5	15

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55	Structures and dissolution behaviors of MgOâ€“CaOâ€“P2O5â€“Nb2O5 glasses. Journal of Non-Crystalline Solids, 2016, 438, 18-25.	3.1	22
56	Adsorption behavior of proteins on calcium silicate hydrate in Tris and phosphate buffer solutions. Materials Letters, 2016, 167, 112-114.	2.6	5
57	Structure and dissolution behavior of MgO–P₂O₅–TiO₂/Nb<sub>2</su (Mg/P ≥ 1) invert glasses. Journal of the Ceramic Society of Japan, 2015, 123, 942-948.	1.1	17
58	THE ROLE OF NIOBIUM IONS IN CALCIUM PHOSPHATE INVERT GLASSES FOR BONE REGENERATION. Phosphorus Research Bulletin, 2015, 30, 30-34.	0.6	0
59	Development of Magnesium and Siloxane-Containing Vaterite and Its Composite Materials for Bone Regeneration. Frontiers in Bioengineering and Biotechnology, 2015, 3, 195.	4.1	14
60	Preparation of Cotton-Wool-Like Poly(lactic acid)-Based Composites Consisting of Core-Shell-Type Fibers. Materials, 2015, 8, 7979-7987.	2.9	5
61	Dissolution behavior and cell compatibility of alkali-free MgO-CaO-SrO-TiO2-P2O5 glasses for biomedical applications. Biomedical Glasses, 2015, 1, .	2.4	8
62	Relationship between electrical conductivities and structure of hybrid materials derived from mixtures of zinc phosphate glasses with different phosphate-chain lengths and benzimidazole. Journal of Solid State Electrochemistry, 2015, 19, 907-912.	2.5	3
63	Bioactive Ceramic Coatings. Springer Series in Biomaterials Science and Engineering, 2015, , 103-126.	1.0	1
64	Structures and dissolution behaviors of CaOâ€“P2O5â€“TiO2/Nb2O5 (Ca/P â‰¥ 1) invert glasses. Journal of Non-Crystalline Solids, 2015, 426, 35-42.	3.1	20
65	Proton conduction of MO-P2O5 glasses (MÂ=ÂZn, Ba) containing a large amount of water. Solid State Sciences, 2015, 45, 5-8.	3.2	14
66	Poly(l-lactic acid)/vaterite composite coatings on metallic magnesium. Journal of Materials Science: Materials in Medicine, 2014, 25, 2639-2647.	3.6	7
67	Preparation and Rheological Characterization of Imogolite Hydrogels. Journal of Nanomaterials, 2014, 2014, 1-7.	2.7	7
68	Color tone and interfacial microstructure of white oxide layer on commercially pure Ti and Tiâ€“Nbâ€“Taâ€“Zr alloys. Japanese Journal of Applied Physics, 2014, 53, 11RD02.	1.5	14
69	Changes in structure and thermal properties with phosphate content of ternary calcium sodium phosphate glasses. Journal of Non-Crystalline Solids, 2014, 392-393, 31-38.	3.1	43
70	Control of chemical composition of hydrogrossular prepared by hydrothermal reaction. Materials Letters, 2014, 131, 132-134.	2.6	9
71	Preparation of calcium pyrophosphate glass-ceramics containing Nb₂O₅. Journal of the Ceramic Society of Japan, 2014, 122, 122-124.	1.1	12
72	Preparation of siloxane-containing vaterite doped with magnesium. Journal of the Ceramic Society of Japan, 2014, 122, 1010-1015.	1.1	7

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73	Cotton wool-like poly(lactic acid)/vaterite composite scaffolds releasing soluble silica for bone tissue engineering. Journal of Materials Science: Materials in Medicine, 2013, 24, 1649-1658.	3.6	24
74	Tracking the formation of vaterite particles containing aminopropyl-functionalized silsesquioxane and their structure for bone regenerative medicine. Journal of Materials Chemistry B, 2013, 1, 4446.	5.8	38
75	Proton conductivities and structures of BaOâ€"ZnOâ€"P2O5 glasses in the ultraphosphate region for intermediate temperature fuel cells. International Journal of Hydrogen Energy, 2013, 38, 15354-15360.	7.1	8
76	Effects of magnesium for calcium substitution in P2O5â€"CaOâ€"TiO2 glasses. Journal of Non-Crystalline Solids, 2013, 380, 53-59.	3.1	35
77	Cytocompatibility of Siloxane-Containing Vaterite/Poly(l-lactic acid) Composite Coatings on Metallic Magnesium. Materials, 2013, 6, 5857-5869.	2.9	5
78	Aluminum Silicate Nanotube Modification of Cotton-Like Siloxane-poly(L-lactic acid)-vaterite Composites. Advances in Materials Science and Engineering, 2013, 2013, 1-6.	1.8	1
79	White-Ceramic Conversion on Ti-29Nb-13Ta-4.6Zr Surface for Dental Applications. Advances in Materials Science and Engineering, 2013, 2013, 1-9.	1.8	10
80	Preparation of electrospun fiber mats using siloxaneâ€containing vaterite and biodegradable polymer hybrids for bone regeneration. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2013, 101, 1350-1358.	3.4	14
81	Aligned electrospun siloxane-doped vaterite/poly(<scp>l</scp>-lactide) composite fibremats: evaluation of their tensile strength and cell compatibility. Journal of Biomaterials Science, Polymer Edition, 2013, 24, 2096-2109.	3.5	1
82	Preparation of siloxane-containing vaterite particles with red-blood-cell-like morphologies and incorporation of calcium-salt polylactide for bone regenerative medicine. Journal of the Ceramic Society of Japan, 2013, 121, 792-796.	1.1	5
83	Preparation of poly(3-hydroxybutyrate-co-4-hydroxybutyrate)-based composites releasing soluble silica for bone regeneration. Journal of the Ceramic Society of Japan, 2013, 121, 753-758.	1.1	6
84	Bioresorbable Hybrid Membranes for Bone Regeneration. , 2013, , 177-192.		0
85	Cellular Migration to Electrospun Poly(Lactic Acid) Fibermats. Journal of Biomaterials Science, Polymer Edition, 2012, 23, 1939-1950.	3.5	19
86	Aluminum Silicate Nanotube Coating of Siloxane-Poly(lactic acid)-Vaterite Composite Fibermats for Bone Regeneration. Journal of Nanomaterials, 2012, 2012, 1-7.	2.7	11
87	Effects of Niobium Ions Released from Calcium Phosphate Invert Glasses Containing Nb₂O₅ on Osteoblast-Like Cell Functions. ACS Applied Materials & Interfaces, 2012, 4, 5684-5690.	8.0	70
88	Preparation of Electrospun Poly(Lactic Acid)-Based Hybrids Containing Siloxane-Doped Vaterite Particles for Bone Regeneration. Journal of Biomaterials Science, Polymer Edition, 2012, 23, 1369-1380.	3.5	7
89	Induction of hydroxycarbonate apatite formation on polyethylene or alumina substrates by spherical vaterite particles deposition. Materials Science and Engineering C, 2012, 32, 1976-1981.	7.3	2
90	Multicomponent phosphate invert glasses with improved processing. Journal of Non-Crystalline Solids, 2012, 358, 1720-1723.	3.1	15

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91	Siloxane-poly(lactic acid)-vaterite composites with 3D cotton-like structure. Journal of Materials Science: Materials in Medicine, 2012, 23, 2349-2357.	3.6	38
92	PHOSPHATE GLASSES AND GLASS-CERAMICS FOR BIOMEDICAL APPLICATIONS. Phosphorus Research Bulletin, 2012, 26, 8-15.	0.6	25
93	MECHANICAL-TENSILE STRENGTHS AND CELL-PROLIFERATIVE ACTIVITIES OF ELECTROSPUN POLY(LACTIC-co-GLYCOLIC ACID) COMPOSITES CONTAINING ^|^beta;-TRICALCIUM PHOSPHATE. Phosphorus Research Bulletin, 2012, 26, 109-112.	0.6	0
94	Sintering and Crystallization of Phosphate Glasses by <scp><scp>CO₂</scp></scp>â€Laser Irradiation on Hydroxyapatite Ceramics. International Journal of Applied Ceramic Technology, 2012, 9, 541-549.	2.1	4
95	Preparation of proton-conducting hybrid materials by reacting zinc phosphate glass with benzimidazole. Materials Letters, 2012, 79, 109-111.	2.6	10
96	Cellular compatibility of a gamma-irradiated modified siloxane-poly(lactic acid)-calcium carbonate hybrid membrane for guided bone regeneration. Dental Materials Journal, 2011, 30, 730-738.	1.8	12
97	Effect of preparation route on the degradation behavior and ion releasability of siloxane-poly(lactic) Tj ETQq1 1 0.784314 rgBT /Overlo 30, 232-238.	1.8	15
98	Hydroxyapatite Coatings Incorporating Silicon Ion Releasing System on Titanium Prepared Using Water Glass and Vaterite. Journal of the American Ceramic Society, 2011, 94, 2074-2079.	3.8	11
99	Effects of Y2O3 particle size on cytotoxicity and cell morphology. Journal of the Ceramic Society of Japan, 2010, 118, 428-433.	1.1	10
100	Preparation of siloxane-containing vaterite/poly (L-lactic acid) hybrid microbeads with silicate and calcium ions-releasing ability. Journal of the Ceramic Society of Japan, 2010, 118, 541-544.	1.1	1
101	Preparation of siloxane-containing vaterite/poly (lactic acid) hybrid fibermats with improved ductility for bone regeneration. Journal of the Ceramic Society of Japan, 2010, 118, 623-625.	1.1	1
102	Electrospun microfiber meshes of silicon-doped vaterite/poly(lactic acid) hybrid for guided bone regeneration. Acta Biomaterialia, 2010, 6, 1248-1257.	8.3	91
103	Preparation of electrospun siloxane-poly(lactic acid)-vaterite hybrid fibrous membranes for guided bone regeneration. Composites Science and Technology, 2010, 70, 1889-1893.	7.8	17
104	PREPARATION OF SILOXANE-CONTAINING VATERITE â‚ POLY (LACTIC ACID) HYBRID BEADS BY ELECTROSPRAYING AND HA-COATING ON THEIR SURFACES. Phosphorus Research Bulletin, 2010, 24, 1-5.	0.6	0
105	PROTON CONDUCTING VISCOUS MATERIALS DERIVED FROM ZINC METAPHOSPHATE GLASS. Phosphorus Research Bulletin, 2010, 24, 26-31.	0.6	0
106	Stimulation of human mesenchymal stem cells and osteoblasts activities <i>in vitro</i> on siliconâ€releasable scaffolds. Journal of Biomedical Materials Research - Part A, 2009, 91A, 11-17.	4.0	31
107	Enhanced in vitro cell activity on silicon-doped vaterite/poly(lactic acid) composites. Acta Biomaterialia, 2009, 5, 57-62.	8.3	54
108	Preparation of a Calcium Titanium Phosphate Glassâ€"Ceramic with Improved Chemical Durability. Journal of the American Ceramic Society, 2009, 92, 1709-1712.	3.8	14

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109	Preparation of poly(lactic acid)/siloxane/calcium carbonate composite membranes with antibacterial activity. Acta Biomaterialia, 2009, 5, 1163-1168.	8.3	25
110	An Anhydrous Proton-Conducting Material Prepared by Hybridizing Zinc Phosphate Glass with Imidazole. Electrochemical and Solid-State Letters, 2009, 12, B5.	2.2	5
111	New Fabrication Process of Layered Membranes Based on Poly(Lactic Acid) Fibers for Guided Bone Regeneration. Materials Transactions, 2009, 50, 1737-1741.	1.2	7
112	SiO2-CaO-P2O5 sol-gel-derived glass coating on porous .BETA.-tricalcium phosphate ceramics. Journal of the Ceramic Society of Japan, 2009, 117, 1120-1125.	1.1	2
113	Ion release from SrO-CaO-TiO2-P2O5 glasses in Tris buffer solution. Journal of the Ceramic Society of Japan, 2009, 117, 935-938.	1.1	24
114	Control of silicon species released from poly(lactic acid)â€polysiloxane hybrid membranes. Journal of Biomedical Materials Research - Part A, 2008, 85A, 742-746.	4.0	15
115	Cellular compatibility of boneâ€like apatite containing silicon species. Journal of Biomedical Materials Research - Part A, 2008, 85A, 140-144.	4.0	20
116	Preparation of porous titanium phosphate glass-ceramics for NH3 gas adsorption with self-cleaning ability. Journal of the European Ceramic Society, 2008, 28, 267-270.	5.7	29
117	Apatite-forming ability on titanium surface modified by hydrothermal treatment and ultraviolet irradiation. Journal of Materials Research, 2008, 23, 3169-3175.	2.6	9
118	Preparation of bone-like apatite coating on mullite ceramics with silicon-ion releasability. Journal of the Ceramic Society of Japan, 2008, 116, 14-19.	1.1	4
119	Characteristics of Biomedical Beta-Type Titanium Alloy Subjected to Coating. Materials Transactions, 2008, 49, 365-371.	1.2	7
120	Preparation of Poly(L-lactic Acid) Hybrid Membrane with Silicon-Ion-Releasing Ability. Key Engineering Materials, 2007, 330-332, 1305-1308.	0.4	1
121	Proton Conductivities of Zinc Phosphate Glass-Derived Hydrogels Controlled by Water Content. Journal of the Electrochemical Society, 2007, 154, B258.	2.9	8
122	Cellular Activity on Siloxane-Doped Poly(Lactic Acid)/Vaterite Composite Scaffolds. Key Engineering Materials, 2007, 361-363, 399-402.	0.4	1
123	Silicon-Doped Bonelike Apatite / Poly(lactic acid) Composite. Key Engineering Materials, 2007, 330-332, 519-522.	0.4	0
124	Control of β-Tricalcium Phosphate Formation in Macroporous Phosphate Glass-Ceramic Composites. Materials Transactions, 2007, 48, 313-316.	1.2	4
125	Development of Phosphate Glass-Ceramics for Biomedical Applications. Journal of the Ceramic Society of Japan, 2007, 115, 455-459.	1.1	12
126	Hydrogen Gas Sensing Properties of Calcium Metaphosphate Glass-derived Hydrogels. Chemistry Letters, 2007, 36, 844-845.	1.3	1

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127	Preparation of Poly(lactic acid) Composite Hollow Spheres Containing Calcium Carbonate, .BETA.-Tricalcium Phosphate and Siloxane. Journal of the Ceramic Society of Japan, 2006, 114, 743-747.	1.3	4
128	Enhancement of Bone-Like Apatite Forming Abilities of Calcium Phosphate Ceramics in SBF by Autoclaving. Journal of the Ceramic Society of Japan, 2006, 114, 63-66.	1.3	6
129	Formation Mechanism of Zinc Metaphosphate Hydrogels by a Chemicovectorial Method and Their Proton Conductivities. Journal of the Ceramic Society of Japan, 2006, 114, 92-96.	1.3	7
130	Preparation of poly(lactic acid) composite hollow spheres containing calcium carbonates. Acta Biomaterialia, 2006, 2, 403-408.	8.3	24
131	Preparation of poly(l-lactic acid)-polysiloxane-calcium carbonate hybrid membranes for guided bone regeneration. Biomaterials, 2006, 27, 1216-1222.	11.4	81
132	Preparation of Fast Proton-Conducting Phosphate Glass-Derived Hydrogels and their Electrochemical Properties. Advanced Materials Research, 2006, 15-17, 327-332.	0.3	3
133	Preparation of Macroporous Glass-Ceramic Composites Containing Î²-TCP. Advanced Materials Research, 2006, 11-12, 223-226.	0.3	0
134	Preparation of Zinc Phosphate Glass-Derived Hydrogels and Their Proton Conductivities. Advanced Materials Research, 2006, 11-12, 153-158.	0.3	3
135	High Cellular Biocompatibility of Calcium Carbonate / Poly (Lactic Acid) Composites Doped with Silicon. Key Engineering Materials, 2006, 309-311, 1113-1116.	0.4	0
136	Electric double-layer capacitor based on zinc metaphosphate glass-derived hydrogel. Applied Physics Letters, 2006, 88, 153501.	3.3	4
137	HYDROXYCARBONATE APATITE COATING ON CALCIUM CARBONATE COMPOISTES BY A BIOMIMETIC METHOD. Phosphorus Research Bulletin, 2006, 20, 175-180.	0.6	1
138	Mechanical Properties of Biocompatible Beta-Type Titanium Alloy Coated with Calcium Phosphate Invert Glass-Ceramic Layer. Materials Transactions, 2005, 46, 1564-1569.	1.2	17
139	Preparation of bonelike apatite composite for tissue engineering scaffold. Science and Technology of Advanced Materials, 2005, 6, 48-53.	6.1	29
140	Bioactive calcium pyrophosphate glasses and glass-ceramics. Acta Biomaterialia, 2005, 1, 55-64.	8.3	91
141	Surface Potential of Poly(lactic acid) Composites Containing Calcium Carbonates in Simulated Body Fluid. Journal of the American Ceramic Society, 2005, 88, 1964-1966.	3.8	2
142	Preparation of Poly(Lactic Acid) Composite Hollow Spheres with an Open Channel. Key Engineering Materials, 2005, 284-286, 301-304.	0.4	5
143	Formation of Hydroxycarbonate Apatite Layer on Poly(Lactic Acid) Composites in Simulated Body Fluid. Key Engineering Materials, 2005, 284-286, 489-492.	0.4	1
144	Formation of metaphosphate hydrogels and their proton conductivities. Journal of Non-Crystalline Solids, 2005, 351, 691-696.	3.1	20

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145	Preparation of Calcium Carbonate / Poly(lactic acid) Composite (CCPC) Hollow Spheres. Key Engineering Materials, 2004, 254-256, 533-536.	0.4	3
146	Biocomposite Materials for Biotechnology. Biological and Medical Physics Series, 2004, , 163-194.	0.4	3
147	Apatite formation on titaniaâ€"vaterite powders in simulated body fluid. Journal of the European Ceramic Society, 2004, 24, 2125-2130.	5.7	30
148	ELECTRIC DOUBLE LAYER CAPACITORS BASED ON PHOSPHATE GLASS-DERIVED HYDROGELS PREPARED BY A CHEMICOVECTORIAL METHOD. Phosphorus Research Bulletin, 2004, 17, 85-90.	0.6	1
149	Bonelike Apatite Coating on Skeleton of Poly(lactic acid) Composite Sponge. Materials Transactions, 2004, 45, 989-993.	1.2	10
150	Morphology of Calcium Phosphate Invert Glass-Ceramic Layer Coated on Surface of Beta Type Titanium Alloy for Biomedical Applications. Materia Japan, 2004, 43, 1034-1034.	0.1	0
151	Bioactive calcium phosphate invert glass-ceramic coating on Î²-type Tiâ€"29Nbâ€"13Taâ€"4.6Zr alloy. Biomaterials, 2003, 24, 283-290.	11.4	70
152	Preparation of poly(lactic acid) composites containing calcium carbonate (vaterite). Biomaterials, 2003, 24, 3247-3253.	11.4	180
153	Joining of Calcium Phosphate Invert Glassâ€Ceramics on a Î²â€Type Titanium Alloy. Journal of the American Ceramic Society, 2003, 86, 1031-1033.	3.8	14
154	Apatite-Forming Ability of Calcium Phosphate Glass-Ceramics Improved by Autoclaving. Key Engineering Materials, 2003, 254-256, 753-756.	0.4	4
155	Novel Machinable Calcium Phosphate Glass-Ceramics for Biomedical Use. Materials Science Forum, 2003, 426-432, 3183-3188.	0.3	5
156	Calcium Phosphate Invert Glasses and Glass-Ceramics with Apatite-Forming Ability. Key Engineering Materials, 2003, 240-242, 265-268.	0.4	6
157	Enhancement of Biomimetic Apatite Forming Ability of Calcium Phosphate Glass-Ceramic by a Hydrothermal Treatment. Journal of the Ceramic Society of Japan, 2003, 111, 633-635.	1.3	10
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