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	Apatite formation on TiO2 in simulated body fluid. Journal of Crystal Growth, 2002, 235, 235-240.	1.5	184
2	Preparation of poly(lactic acid) composites containing calcium carbonate (vaterite). Biomaterials, 2003, 24, 3247-3253.	11.4	180
3	High Proton Conductivity in Porous P2O5â^'SiO2Glasses. Journal of Physical Chemistry B, 1999, 103, 9468-9472.	2.6	112
4	Calcium phosphate invert glasses with soda and titania. Journal of Non-Crystalline Solids, 1999, 243, 70-74.	3.1	105
5	Superprotonic Conductors of Glassy Zirconium Phosphates. Journal of the Electrochemical Society, 1996, 143, 144-147.	2.9	102
6	Bioactive calcium pyrophosphate glasses and glass-ceramics. Acta Biomaterialia, 2005, 1, 55-64.	8.3	91
7	Electrospun microfiber meshes of silicon-doped vaterite/poly(lactic acid) hybrid for guided bone regeneration. Acta Biomaterialia, 2010, 6, 1248-1257.	8.3	91
8	Preparation of poly(l-lactic acid)-polysiloxane-calcium carbonate hybrid membranes for guided bone regeneration. Biomaterials, 2006, 27, 1216-1222.	11.4	81
9	Bioactive calcium phosphate invert glass-ceramic coating on Î²-type Tiâ€"29Nbâ€"13Taâ€"4.6Zr alloy. Biomaterials, 2003, 24, 283-290.	11.4	70
10	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
11	Novel Preparation Method of Hydroxyapatite Fibers. Journal of the American Ceramic Society, 1998, 81, 1665-1668.	3.8	68
12	Apatite Formation on Calcium Phosphate Invert Glasses in Simulated Body Fluid. Journal of the American Ceramic Society, 2001, 84, 450-52.	3.8	67
13	Preparation of Aragonite Whiskers. Journal of the American Ceramic Society, 1995, 78, 1983-1984.	3.8	64
14	Bioactive ceramics prepared by sintering and crystallization of calcium phosphate invert glasses. Biomaterials, 1999, 20, 1415-1420.	11.4	64
15	Enhanced in vitro cell activity on silicon-doped vaterite/poly(lactic acid) composites. Acta Biomaterialia, 2009, 5, 57-62.	8.3	54
16	Calcium phosphate invert glass-ceramic coatings joined by self-development of compositionally gradient layers on a titanium alloy. Biomaterials, 2001, 22, 577-582.	11.4	46
17	Preparation of High-Strength Calcium Phosphate Ceramics with Low Modulus of Elasticity Containing beta-Ca(PO3)2 Fibers. Journal of the American Ceramic Society, 1996, 79, 1821-1824.	3.8	44
18	Dynamics of Proton Transfer in the Solâ^'Gel-Derived P2O5â^'SiO2Glasses. Journal of Physical Chemistry B, 2001, 105, 4653-4656.	2.6	44

#	Article	IF	Citations
19	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
20	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
21	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
22	Novel calcium phosphate ceramics prepared by powder sintering and crystallization of glasses in the pyrophosphate region. Journal of Materials Research, 1998, 13, 3357-3360.	2.6	36
23	Preparation and Compressive Strength Behavior of Porous Ceramics with Î²â€Ca(PO₃)₂ Fiber Skeletons. Journal of the American Ceramic Society, 1997, 80, 225-231.	3.8	35
24	Effects of magnesium for calcium substitution in P2O5â€“CaOâ€“TiO2 glasses. Journal of Non-Crystalline Solids, 2013, 380, 53-59.	3.1	35
25	Biomimetic apatite formation on poly(lactic acid) composites containing calcium carbonates. Journal of Materials Research, 2002, 17, 727-730.	2.6	34
26	Structure and physicochemical properties of CaOâ€“P2O5â€“Nb2O5â€“Na2O glasses. Journal of Non-Crystalline Solids, 2016, 432, 60-64.	3.1	34
27	Effect of Phosphorus Ions on the Proton Conductivity in the Solâ€“Gelâ€Derived Porous Glasses. Journal of the American Ceramic Society, 2001, 84, 2553-2556.	3.8	33
28	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
29	Apatite formation on titaniaâ€“vaterite powders in simulated body fluid. Journal of the European Ceramic Society, 2004, 24, 2125-2130.	5.7	30
30	Electrospinning 3D bioactive glasses for wound healing. Biomedical Materials (Bristol), 2020, 15, 015014.	3.3	30
31	Preparation of bonelike apatite composite for tissue engineering scaffold. Science and Technology of Advanced Materials, 2005, 6, 48-53.	6.1	29
32	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
33	Fabrication and inÂvitro characterization of electrospun poly (Î³-glutamic acid)-silica hybrid scaffolds for bone regeneration. Polymer, 2016, 91, 106-117.	3.8	28
34	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
35	Preparation of Zirconia-Toughened Bioactive Glass-Ceramic Composite by Sinter-Hot Isostatic Pressing. Journal of the American Ceramic Society, 1992, 75, 1103-1107.	3.8	26
36	Preparation of Calcium Phosphate Fibers for Applications to Biomedical Fields. Journal of the Ceramic Society of Japan, 1992, 100, 1088-1089.	1.3	25

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37	Preparation of poly(lactic acid)/siloxane/calcium carbonate composite membranes with antibacterial activity. Acta Biomaterialia, 2009, 5, 1163-1168.	8.3	25
38	PHOSPHATE GLASSES AND GLASS-CERAMICS FOR BIOMEDICAL APPLICATIONS. Phosphorus Research Bulletin, 2012, 26, 8-15.	0.6	25
39	Bioactivity of Zirconia-Toughened Glass-Ceramics. Journal of the American Ceramic Society, 1992, 75, 1884-1888.	3.8	24
40	Preparation of poly(lactic acid) composite hollow spheres containing calcium carbonates. Acta Biomaterialia, 2006, 2, 403-408.	8.3	24
41	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
42	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
43	Porous Glassâ€Ceramics with Bacteriostatic Properties in Silverâ€Containing Titanium Phosphates: Control of Release of Silver Ions from Glassâ€Ceramics into Aqueous Solution. Journal of the American Ceramic Society, 1997, 80, 777-780.	3.8	23
44	Structures and dissolution behaviors of MgOâ€“CaOâ€“P2O5â€“Nb2O5 glasses. Journal of Non-Crystalline Solids, 2016, 438, 18-25.	3.1	22
45	Preparation of Porous Glassâ€Ceramics with a Skeleton of NASICONâ€Type Crystal CuTi₂(PO₄)₃. Journal of the American Ceramic Society, 1997, 80, 822-824.	3.8	21
46	Preparation of polylactic acid composites containing Î²â€“Ca(PO3)2 fibers. Journal of Materials Research, 1999, 14, 418-424.	2.6	20
47	Formation of metaphosphate hydrogels and their proton conductivities. Journal of Non-Crystalline Solids, 2005, 351, 691-696.	3.1	20
48	Cellular compatibility of boneâ€like apatite containing silicon species. Journal of Biomedical Materials Research - Part A, 2008, 85A, 140-144.	4.0	20
49	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
50	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
51	Hydrogelation of Calcium Metaphosphate Glass. Chemistry Letters, 2001, 30, 820-821.	1.3	19
52	Machinable calcium pyrophosphate glass-ceramics. Journal of Materials Research, 2001, 16, 876-880.	2.6	19
53	Cellular Migration to Electrospun Poly(Lactic Acid) Fibermats. Journal of Biomaterials Science, Polymer Edition, 2012, 23, 1939-1950.	3.5	19
54	Phase Separation and Crystallization of BiSrCaCu2Al0.5Ox Glass. Journal of the American Ceramic Society, 1993, 76, 1885-1887.	3.8	18

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55	Preparation Conditions for Aragonite Whiskers by Carbonation Process. Journal of the Ceramic Society of Japan, 1996, 104, 196-200.	1.3	18
56	Titanium Phosphate Glassâ€Ceramics with Silver Ion Exchangeability. Journal of the American Ceramic Society, 1999, 82, 765-767.	3.8	18
57	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
58	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
59	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
60	Structure and dissolution behavior of MgO–P₂O₅–TiO₂/Nb<sub>2</sub (Mg/P ≥ 1) invert glasses. Journal of the Ceramic Society of Japan, 2015, 123, 942-948.	1.8	17
61	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
62	Synthesis and dissolution behaviour of CaO/SrO-containing solâ€“gel-derived 58S glasses. Journal of Materials Science, 2017, 52, 8858-8870.	3.7	17
63	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
64	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
65	Formation and structural analysis of 15MgOâ€“15CaOâ€“8P2O5â€“4SiO2 glass. Journal of Non-Crystalline Solids, 2017, 457, 73-76.	3.1	16
66	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
67	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
68	Multicomponent phosphate invert glasses with improved processing. Journal of Non-Crystalline Solids, 2012, 358, 1720-1723.	3.1	15
69	Preparation of Antibacterial ZnO-CaO-P₂O₅-Nb₂O₅ Invert Glasses. Materials Transactions, 2016, 57, 2072-2076.	1.2	15
70	Construction and Characterization of Protein-Encapsulated Electrospun Fibermats Prepared from a Silica/Poly(Î³-glutamate) Hybrid. Langmuir, 2016, 32, 221-229.	3.5	15
71	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
72	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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73	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
74	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
75	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
76	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
77	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
78	Formation of Bi-2212 superconducting whiskers from melt-quenched BSCCO containing alumina. Journal of Materials Research, 1994, 9, 1098-1103.	2.6	12
79	Microporous Materials with an Integrated Skeleton of AgTi2(PO4)3and Ti(HPO4)2Â·2H2O Crystals. Chemistry of Materials, 1998, 10, 3562-3567.	6.7	12
80	Development of Phosphate Glass-Ceramics for Biomedical Applications. Journal of the Ceramic Society of Japan, 2007, 115, 455-459.	1.1	12
81	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
82	Preparation of calcium pyrophosphate glass-ceramics containing Nb₂O₅. Journal of the Ceramic Society of Japan, 2014, 122, 122-124.	1.1	12
83	An oxygen sensor based on copper(I)-conducting CuTi2(PO4)3 glass ceramics. Applied Physics Letters, 1998, 73, 3297-3299.	3.3	11
84	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
85	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
86	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
87	Title is missing!. Journal of Materials Science Letters, 1999, 18, 2021-2023.	0.5	10
88	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
89	Bonelike Apatite Coating on Skeleton of Poly(lactic acid) Composite Sponge. Materials Transactions, 2004, 45, 989-993.	1.2	10
90	Effects of Y2O3 particle size on cytotoxicity and cell morphology. Journal of the Ceramic Society of Japan, 2010, 118, 428-433.	1.1	10

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91	Preparation of proton-conducting hybrid materials by reacting zinc phosphate glass with benzimidazole. Materials Letters, 2012, 79, 109-111.	2.6	10
92	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
93	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
94	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
95	Title is missing!. Journal of Sol-Gel Science and Technology, 2000, 19, 383-386.	2.4	9
96	Apatite-forming ability on titanium surface modified by hydrothermal treatment and ultraviolet irradiation. Journal of Materials Research, 2008, 23, 3169-3175.	2.6	9
97	Control of chemical composition of hydrogrossular prepared by hydrothermal reaction. Materials Letters, 2014, 131, 132-134.	2.6	9
98	Tuning of ion-release capability from bio-ceramic-polymer composites for enhancing cellular activity. Royal Society Open Science, 2019, 6, 190612.	2.4	9
99	Role of P2O5 on Protonic Conduction in Sol-Gel-Derived Binary Phosphosilicate Glasses.. Journal of the Ceramic Society of Japan, 1999, 107, 1037-1040.	1.3	8
100	Surface modification of calcium metaphosphate fibers. Journal of Materials Science: Materials in Medicine, 2000, 11, 223-225.	3.6	8
101	Preparation of Calcium Phosphate Glass-Ceramics and their Coating on Titanium Alloys. Key Engineering Materials, 2000, 192-195, 223-226.	0.4	8
102	BIOMIMETIC APATITE FORMATION ON CALCIUM PHOSPHATE INVERT GLASSES. Phosphorus Research Bulletin, 2001, 12, 39-44.	0.6	8
103	Proton Conductivities of Zinc Phosphate Glass-Derived Hydrogels Controlled by Water Content. Journal of the Electrochemical Society, 2007, 154, B258.	2.9	8
104	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
105	Dissolution behavior and cell compatibility of alkali-free MgO-CaO-SrO-TiO2-P2O5 glasses for biomedical applications. Biomedical Glasses, 2015, 1, .	2.4	8
106	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
107	Bioceramics Composed of Calcium Polyphosphate Fibers. Phosphorus, Sulfur and Silicon and the Related Elements, 1993, 76, 247-250.	1.6	7
108	Direct Joining of BSCCO Superconducting Glass-Ceramics Using a Flame-Melting Method. Journal of the American Ceramic Society, 1996, 79, 885-888.	3.8	7

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109	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
110	Characteristics of Biomedical Beta-Type Titanium Alloy Subjected to Coating. Materials Transactions, 2008, 49, 365-371.	1.2	7
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	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
113	Poly(l-lactic acid)/vaterite composite coatings on metallic magnesium. Journal of Materials Science: Materials in Medicine, 2014, 25, 2639-2647.	3.6	7
114	Preparation and Rheological Characterization of Imogolite Hydrogels. Journal of Nanomaterials, 2014, 2014, 1-7.	2.7	7
115	Preparation of siloxane-containing vaterite doped with magnesium. Journal of the Ceramic Society of Japan, 2014, 122, 1010-1015.	1.1	7
116	Silica/methacrylate class II hybrid: telomerisation vs. RAFT polymerisation. Polymer Chemistry, 2017, 8, 3603-3611.	3.9	7
117	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
118	Protein adsorption behaviors on siloxane-containing vaterite particles. Materials Letters, 2020, 264, 127280.	2.6	7
119	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
120	Hydrogen Gas Sensing of High Electrical Conducting-P2O5-SiO2 Glasses Prepared by Sol-Gel Process. Journal of Sol-Gel Science and Technology, 2000, 19, 559-562.	2.4	6
121	Calcium Phosphate Invert Glasses and Glass-Ceramics with Apatite-Forming Ability. Key Engineering Materials, 2003, 240-242, 265-268.	0.4	6
122	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
123	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
124	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
125	Utilization of diatom frustules for thermal management applications. Journal of Applied Phycology, 2017, 29, 1907-1911.	2.8	6
126	Preparation of carbamate-containing vaterite particles for strontium removal in wastewater treatment. Journal of Asian Ceramic Societies, 2017, 5, 364-369.	2.3	6

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127	Cotton-Wool-Like Resorbable Bone Void Fillers Containing Î²-TCP and Calcium Carbonate Particles. Key Engineering Materials, 0, 782, 53-58.	0.4	6
128	Adsorption behaviour of hydrogarnet for humic acid. Royal Society Open Science, 2018, 5, 172023.	2.4	6
129	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
130	Structures and Dissolution Behaviors of Quaternary CaO-SrO-P2O5-TiO2 Glasses. Materials, 2021, 14, 1736.	2.9	6
131	Biâ€“Srâ€“Caâ€“Cuâ€“O superconducting thin plates prepared by glass-ceramic processing: Dependence of Tc on the thickness. Journal of Materials Research, 1997, 12, 332-337.	2.6	5
132	Novel Machinable Calcium Phosphate Glass-Ceramics for Biomedical Use. Materials Science Forum, 2003, 426-432, 3183-3188.	0.3	5
133	Preparation of Poly(Lactic Acid) Composite Hollow Spheres with an Open Channel. Key Engineering Materials, 2005, 284-286, 301-304.	0.4	5
134	An Anhydrous Proton-Conducting Material Prepared by Hybridizing Zinc Phosphate Glass with Imidazole. Electrochemical and Solid-State Letters, 2009, 12, B5.	2.2	5
135	Cytocompatibility of Siloxane-Containing Vaterite/Poly(l-lactic acid) Composite Coatings on Metallic Magnesium. Materials, 2013, 6, 5857-5869.	2.9	5
136	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
137	Preparation of Cotton-Wool-Like Poly(lactic acid)-Based Composites Consisting of Core-Shell-Type Fibers. Materials, 2015, 8, 7979-7987.	2.9	5
138	Adsorption behavior of proteins on calcium silicate hydrate in Tris and phosphate buffer solutions. Materials Letters, 2016, 167, 112-114.	2.6	5
139	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
140	Wettability and dynamics of water droplet on a snail shell. Journal of Colloid and Interface Science, 2019, 547, 111-116.	9.4	5
141	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
142	Generation of Active Oxygen Species on Reaction Between Ceramics in CaO-SiO2-P2O5System and Polymorphonuclear Cells. Phosphorus, Sulfur and Silicon and the Related Elements, 1993, 76, 243-246.	1.6	4
143	BIOACTIVE CALCIUM PHOSPHATE GLASS-CERAMICS IN THE PYROPHOSPHATE REGION. Phosphorus Research Bulletin, 1999, 10, 534-539.	0.6	4
144	MACHINABLE CALCIUM PHOSPHATE CERAMICS. Phosphorus Research Bulletin, 2002, 13, 153-158.	0.6	4

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145	Apatite-Forming Ability of Calcium Phosphate Glass-Ceramics Improved by Autoclaving. Key Engineering Materials, 2003, 254-256, 753-756.	0.4	4
146	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
147	Electric double-layer capacitor based on zinc metaphosphate glass-derived hydrogel. Applied Physics Letters, 2006, 88, 153501.	3.3	4
148	Control of β-Tricalcium Phosphate Formation in Macroporous Phosphate Glass-Ceramic Composites. Materials Transactions, 2007, 48, 313-316.	1.2	4
149	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
150	Sintering and Crystallization of Phosphate Glasses by <scp><scp>CO₂</scp></scp>â€Łaser Irradiation on Hydroxyapatite Ceramics. International Journal of Applied Ceramic Technology, 2012, 9, 541-549.	2.1	4
151	Interphase coordination design in carbamate-siloxane/vaterite composite microparticles towards tuning ion-releasing properties. Advanced Powder Technology, 2017, 28, 1349-1355.	4.1	4
152	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
153	Electrospun cottonâ€“wool-like silica/gelatin hybrids with covalent coupling. Journal of Sol-Gel Science and Technology, 2021, 97, 11-26.	2.4	4
154	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
155	Preparation of Calcium Carbonate / Poly(lactic acid) Composite (CCPC) Hollow Spheres. Key Engineering Materials, 2004, 254-256, 533-536.	0.4	3
156	Biocomposite Materials for Biotechnology. Biological and Medical Physics Series, 2004, , 163-194.	0.4	3
157	Preparation of Fast Proton-Conducting Phosphate Glass-Derived Hydrogels and their Electrochemical Properties. Advanced Materials Research, 2006, 15-17, 327-332.	0.3	3
158	Preparation of Zinc Phosphate Glass-Derived Hydrogels and Their Proton Conductivities. Advanced Materials Research, 2006, 11-12, 153-158.	0.3	3
159	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
160	Improving the biocompatibility of tobermorite by incorporating calcium phosphate clusters. Bio-Medical Materials and Engineering, 2017, 28, 31-36.	0.6	3
161	Preparation of orthophosphate glasses in the MgOâ€“CaOâ€“SiO2â€“Nb2O5â€“P2O5 system. Bio-Medical Materials and Engineering, 2017, 28, 23-30.	0.6	3
162	Removal of humic acid from aqueous solutions by a novel hydrogarnet/zeolite composite. SN Applied Sciences, 2020, 2, 1.	2.9	3

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