Fukue Nagata

List of Publications by Year
in descending order

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		430754	414303
79	1,274	18	32
papers	citations	h-index	g-index

80	80	80	1274
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Porous calcium phosphate coating over phosphorylated chitosan film by a biomimetic method. Biomaterials, 1999, 20, 879-884.	5.7	138
2	Surface instability of calcium phosphate ceramics in tissue culture medium and the effect on adhesion and growth of anchorage-dependent animal cells. , 1997, 34, 507-517.		74
3	Growth of calcium phosphate on phosphorylated chitin fibres. Journal of Materials Science: Materials in Medicine, 1997, 8, 407-412.	1.7	72
4	Growth of calcium phosphate on surface-modified cotton. Journal of Materials Science: Materials in Medicine, 1995, 6, 597-605.	1.7	63
5	Further studies of calcium phosphate growth on phosphorylated cotton fibres. Journal of Materials Science: Materials in Medicine, 1995, 6, 658-669.	1.7	51
6	Apatite formation on collagen fibrils in the presence of polyacrylic acid. Journal of Materials Science: Materials in Medicine, 2004, 15, 593-599.	1.7	47
7	Initial anchoring and proliferation of fibroblast L-929 cells on unstable surface of calcium phosphate ceramics. Journal of Bioscience and Bioengineering, 1999, 87, 320-327.	1.1	43
8	Formation of c-axis Aligned Polycrystal Hydroxyapatite Using High Magnetic Field with Mechanical Sample Rotation. Materials Transactions, 2005, 46, 203-206.	0.4	43
9	A method to fabricate hydroxyapatite/poly(lactic acid) microspheres intended for biomedical application. Journal of the European Ceramic Society, 2006, 26, 533-535.	2.8	43
10	Growth and adhesion of osteoblast-like cells derived from neonatal rat calvaria on calcium phosphate ceramics. Journal of Bioscience and Bioengineering, 2000, 89, 18-26.	1.1	39
11	Hydrothermal Synthesis of Hydroxyapatite Crystals in the Presence of Methanol. Journal of the Ceramic Society of Japan, 1995, 103, 70-73.	1.3	36
12	Adsorption and desorption characteristics of DNA onto the surface of amino functional mesoporous silica with various particle morphologies. Colloids and Surfaces B: Biointerfaces, 2016, 140, 262-268.	2.5	36
13	Surfactant-free Preparation of Poly(lactic acid)/Hydroxyapatite Microspheres. Chemistry Letters, 2003, 32, 784-785.	0.7	32
14	Bioactive Properties of Chitin/Chitosanâ€"Calcium Phosphate Composite Materials. Journal of Sol-Gel Science and Technology, 2001, 21, 105-113.	1.1	31
15	Orientation of Hydroxyapatite <I>C</I>-Axis under High Magnetic Field with Mold Rotation and Subsequent Sintering Process. Materials Transactions, 2005, 46, 2514-2517.	0.4	31
16	Effects of pore distribution of hydroxyapatite particles on their protein adsorption behavior. Journal of Asian Ceramic Societies, 2017, 5, 88-93.	1.0	30
17	Time-dependent variation of the surface structure of bioceramics in tissue culture medium and the effect on adhesiveness of cells. Journal of Bioscience and Bioengineering, 1996, 81, 226-232.	0.9	24
18	Development of paclitaxel-loaded poly(lactic acid)/hydroxyapatite coreâ€“shell nanoparticles as a stimuli-responsive drug delivery system. Royal Society Open Science, 2021, 8, 202030.	1.1	23

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19	Morphology control of calcium phosphate by mineralization on the Î²-sheet peptide template. Chemical Communications, 2010, 46, 6983.	2.2	21
20	Hydrothermal synthesis of hydroxyapatite nanoparticles and their protein adsorption behavior. Journal of the Ceramic Society of Japan, 2013, 121, 797-801.	0.5	20
21	Growth of calcium phosphate on ion-exchange resins pre-saturated with calcium or hydrogenphosphate ions: an SEM/EDX and XPS study. Journal of Materials Science: Materials in Medicine, 1995, 6, 409-419.	1.7	18
22	Preparation of Calcium-Strontium Apatite through Mechanochemical Method. Chemistry Letters, 1996, 25, 91-92.	0.7	18
23	Synthesis of peptide-containing calcium phosphate nanoparticles exhibiting highly selective adsorption of various proteins. Applied Surface Science, 2018, 458, 438-445.	3.1	18
24	Optimization of carboxyl-functionalized mesoporous silica for the selective adsorption of dysprosium. Journal of Environmental Chemical Engineering, 2018, 6, 5990-5998.	3.3	17
25	Wettability of Calcium Phosphate Ceramics by Water. Journal of the Ceramic Society of Japan, 1995, 103, 46-49.	1.3	16
26	Bone apatite anisotropic structure control via designing fibrous scaffolds. RSC Advances, 2020, 10, 13500-13506.	1.7	16
27	Hydroxyapatite Formation on Self-Assembling Peptides with Differing Secondary Structures and Their Selective Adsorption for Proteins. International Journal of Molecular Sciences, 2019, 20, 4650.	1.8	15
28	In-vitro calcium phosphate growth over functionalized cotton fibers. Journal of Materials Science: Materials in Medicine, 1999, 10, 395-400.	1.7	14
29	Bone-Like Apatite Formation On Collagen Fibrils By Biomimetic Method. Chemistry Letters, 2002, 31, 702-703.	0.7	14
30	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.	2.1	14
31	Enzyme immobilisation on poly-<scp>l</scp>-lysine-containing calcium phosphate particles for highly sensitive glucose detection. RSC Advances, 2019, 9, 10832-10841.	1.7	13
32	Hydroxyapatite coating on alumina ceramics by an oxidative decomposition method of EDTA-calcium chelate. Journal of Materials Science Letters, 1996, 15, 179-181.	0.5	12
33	Calcium phosphate compoundâ€“cellulose fiber composite material prepared in soaking medium at 36.5â€“60 Â°C. Journal of Materials Research, 1998, 13, 922-925.	1.2	12
34	Influence of Ethylamine on the Crystal Growth of Hydroxyapatite Crystals. Chemistry Letters, 2001, 30, 780-781.	0.7	12
35	Elastic/Plastic Surface Deformation of Porous Composites Subjected to Spherical Nanoindentation. Key Engineering Materials, 2003, 240-242, 927-930.	0.4	12
36	Preparation of phylloquinone-loaded poly(lactic acid)/hydroxyapatite coreâ€“shell particles and their drug release behavior. Advanced Powder Technology, 2016, 27, 903-907.	2.0	12

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37	Morphological control of mesoporous silica particles by dual template method. Ceramics International, 2018, 44, 20581-20585.	2.3	12
38	Efficient enzyme encapsulation inside sol-gel silica sheets prepared by poly-_L-lysine as a catalyst. Journal of Asian Ceramic Societies, 2020, 8, 396-406.	1.0	12
39	Effective adsorption of dysprosium ions on amino and carboxyl functionalized mesoporous silica sheets. Journal of Asian Ceramic Societies, 2019, 7, 213-220.	1.0	9
40	Catalytic performance of ceria fibers with phosphatase-like activity and their application as protein carriers. Advanced Powder Technology, 2020, 31, 2880-2889.	2.0	9
41	Surface Modification of Calcium Phosphate Ceramics with Silane Coupling Reagents.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1995, 1995, 63-67.	0.1	8
42	Avidin-adsorbed peptideâ€“calcium phosphate composites exhibiting high biotin-binding activity. New Journal of Chemistry, 2019, 43, 427-435.	1.4	7
43	Optimization of pore structure and particle morphology of mesoporous silica for antibody adsorption for use in affinity chromatography. Applied Surface Science, 2016, 384, 27-35.	3.1	6
44	Structures and Dissolution Behaviors of Quaternary CaO-SrO-P2O5-TiO2 Glasses. Materials, 2021, 14, 1736.	1.3	6
45	Title is missing!. Journal of Materials Science Letters, 1999, 18, 367-368.	0.5	5
46	Calcium Phosphate Formation on Highly-oriented Collagen Fibrils. Chemistry Letters, 1999, 28, 527-528.	0.7	5
47	Calcium Phosphate Formation on the Phosphorylated Chitin Samples from SBF Solution. Key Engineering Materials, 2001, 192-195, 307-310.	0.4	4
48	Apatite Hydrogel and Its Caking Behavior. Key Engineering Materials, 2003, 254-256, 63-66.	0.4	4
49	Preparation of Porous Composites Consisting of Apatite and Poly(D,L-Lactide). Key Engineering Materials, 2003, 240-242, 167-170.	0.4	4
50	Formation of c-Axis Aligned Polycrystal Hydroxyapatite Using a High Magnetic Field with Mechanical Sample Rotation. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2006, 70, 412-414.	0.2	4
51	Adsorptive properties of milk proteins onto novel porous zirconia. Journal of the Ceramic Society of Japan, 2020, 128, 36-41.	0.5	4
52	Preparation of Proteinâ€“Peptideâ€“Calcium Phosphate Composites for Controlled Protein Release. Molecules, 2020, 25, 2312.	1.7	4
53	Preparation of Porous Poly(Lactic Acid)/Hydroxyapatite Microspheres Intended for Injectable Bone Substitutes. Key Engineering Materials, 2005, 284-286, 819-822.	0.4	3
54	Preparation of Surfactant-free Core-Shell Poly(lactic acid) / Calcium Phosphate Hybrid Particles and Their Drug Release Characteristics. IOP Conference Series: Materials Science and Engineering, 2011, 18, 182007.	0.3	3

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55	Evaluation of Drug-Loading Ability of Poly(Lactic Acid)/Hydroxyapatite Coreâ€“Shell Particles. Materials, 2021, 14, 1959.	1.3	3
56	Surface Modification of Bioceramics by Silane Coupling Agent and Their Evaluation. Journal of the Ceramic Society of Japan, 1998, 106, 709-714.	1.3	2
57	Preparation of Porous Apatite Material through Low Temperature Synthesis. Key Engineering Materials, 2001, 218-220, 65-70.	0.4	2
58	Influence of Carboxyl Groups Present in the Mineralising Medium in the Biomimetic Precipitation of Apatite on Collagen. Key Engineering Materials, 2003, 254-256, 399-402.	0.4	2
59	Protein release behavior from carbonate apatite hydrogel. Journal of the European Ceramic Society, 2006, 26, 519-523.	2.8	2
60	Formation of c-Axis Aligned Hydroxyapatite Sheet by Simultaneous Imposition of High Magnetic Field and Mold Rotation During Slip Casting Process. Key Engineering Materials, 2006, 309-311, 53-56.	0.4	2
61	Effect of the Pore Diameters and Amino-Organo Functional Structures on Mesoporous Silicas for DNA Adsorption. Key Engineering Materials, 2016, 720, 31-36.	0.4	2
62	Elucidating the effect of different amino-functionalized spherical mesoporous silica characteristics on ribonucleic acid selectivity and adsorption capacity. Journal of Asian Ceramic Societies, 2018, 6, 70-81.	1.0	2
63	Improvement of chroma of tantalum(V) nitride pigment by low-temperature oxidation treatment. Journal of the Ceramic Society of Japan, 2019, 127, 963-965.	0.5	2
64	Protein immobilisation onto zirconium phosphate with the enhancement of the adsorption amount and catalytic activity. Materials Today Communications, 2020, 25, 101310.	0.9	2
65	DISSOLUTION BEHAVIOR OF MgO-CaO-P2O5-TiO2 INVERT GLASSES. Phosphorus Research Bulletin, 2020, 36, 10-14.	0.1	2
66	Structure and dissolution behavior of boron-containing calcium phosphate invert glasses. Journal of Non-Crystalline Solids, 2022, 590, 121690.	1.5	2
67	Production of poly-Î²-hydroxybutyric acid by microorganisms accumulated from river water using a two-stage perfusion culture system. Journal of Bioscience and Bioengineering, 2000, 89, 97-99.	1.1	1
68	PLA/HAp Microsphere-Based Porous Materials for Artificial Bone Grafts. Key Engineering Materials, 2003, 254-256, 293-296.	0.4	1
69	Protein Loading and Solubility of Apatite Hydrogel. Key Engineering Materials, 2005, 284-286, 63-66.	0.4	1
70	Double Layered Microshells Composed of Calcium Phosphate and Poly (lactic acid). Key Engineering Materials, 2006, 309-311, 915-918.	0.4	1
71	Fabrication of Poly(D,L-lactide)/Apatite Nanocomposites through a Modified Surfactant-Free Process. Key Engineering Materials, 2007, 361-363, 523-526.	0.4	1
72	Orientation of Hydroxyapatite c-Axis under High Magnetic Field with Mold Rotation and Subsequent Sintering Process. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2007, 71, 427-431.	0.2	1

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73	Fabrication of Hydroxyapatite/Cellulose Fiber Composite with Sheet-Like Structure. Key Engineering Materials, 0, 782, 98-102.	0.4	1
74	Cytochrome c adsorption on various poly-L-glutamic acid-containing calcium phosphate particles. Open Ceramics, 2020, 2, 100009.	1.0	1
75	Effect of surface instability of calcium phosphate ceramics on growth and adhesion of osteoblast-like cells derived from neonatal rat calvaria. , 1997, , 105-108.		1
76	Antibacterial property of Ag-doped calcium phosphate compound-cellulose composites. , 1997, , 329-332.		1
77	Effect of Poly L-Aspartic Acid on the Biomimetic Formation of Calcium Phosphate on Collagen Gel. Key Engineering Materials, 2002, 218-220, 113-116.	0.4	0
78	SYNTHESIS OF HYDROXYAPATITE PARTICLES INTENDED FOR THE SELECTIVE ADSORPTION OF BASIC PROTEINS. Phosphorus Research Bulletin, 2016, 31, 4-8.	0.1	0
79	Fabrication of Biodegradable Core-Shell Micro/Nanoparticles. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2018, 65, 624-628.	0.1	0