

Akiko Obata

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7321678/publications.pdf>

Version: 2024-02-01

39
papers

615
citations

623188

14
h-index

610482

24
g-index

39
all docs

39
docs citations

39
times ranked

776
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver-doped calcium silicate sol-gel glasses with a cotton-wool-like structure for wound healing. <i>Materials Science and Engineering C</i> , 2022, 134, 112561.	3.8	7
2	Electrospun cotton-wool-like silica/gelatin hybrids with covalent coupling. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 97, 11-26.	1.1	4
3	Coaxial Electrospun Fibermat of Poly(AM/DAAM)/ADH and PCL: Versatile Platform for Functioning Active Enzymes. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 1155-1163.	2.0	6
4	Electrospinning 3D bioactive glasses for wound healing. <i>Biomedical Materials (Bristol)</i> , 2020, 15, 015014.	1.7	30
5	Development of Scaffold Materials with Ion-releasing Ability for Stimulating Osteoblasts. <i>Materia Japan</i> , 2020, 59, 606-611.	0.1	0
6	Combinatorial effects of inorganic ions on adhesion and proliferation of osteoblast-like cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 1042-1051.	2.1	28
7	Structural Analysis of $65\text{ZnO} \cdot 30\text{P} \cdot 2\text{O} \cdot 5\text{Nb} \cdot 2\text{O} \cdot 5\text{Ti} \cdot 3\text{In}$ Invert Glass Using X-ray Photoelectron Spectroscopy. <i>Materials Transactions</i> , 2019, 60, 1707-1710.		
8	Construction of DNAzyme-Encapsulated Fiber mats Using the Precursor Network Polymer of Poly(β -glutamate) and 4-Glycidyoxypropyltrimethoxysilane. <i>Langmuir</i> , 2017, 33, 4028-4035.	1.6	6
9	Nanomaterials for Medical Applications: Benefits and Risks. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-2.	1.5	10
10	Fabrication and in vitro characterization of electrospun poly (β -glutamic acid)-silica hybrid scaffolds for bone regeneration. <i>Polymer</i> , 2016, 91, 106-117.	1.8	28
11	Preparation of Antibacterial $\text{ZnO} \cdot \text{CaO} \cdot \text{P} \cdot 2\text{O} \cdot 5\text{Nb} \cdot 2\text{O} \cdot 5\text{Ti}$ Invert Glasses. <i>Materials Transactions</i> , 2016, 57, 2072-2076.		15
12	Construction and Characterization of Protein-Encapsulated Electrospun Fiber mats Prepared from a Silica/Poly(β -glutamate) Hybrid. <i>Langmuir</i> , 2016, 32, 221-229.	1.6	15
13	Structure and dissolution behavior of $\text{MgO} \cdot \text{P} \cdot 2\text{O} \cdot 5\text{Nb} \cdot 2\text{O} \cdot 5\text{Ti}$ (Mg/P ≥ 1) invert glasses. <i>Journal of the Ceramic Society of Japan</i> , 2015, 123, 942-948.		
14	THE ROLE OF NIOBIUM IONS IN CALCIUM PHOSPHATE INVERT GLASSES FOR BONE REGENERATION. <i>Phosphorus Research Bulletin</i> , 2015, 30, 30-34.	0.1	0
15	Development of Magnesium and Siloxane-Containing Vaterite and Its Composite Materials for Bone Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 195.	2.0	14
16	Preparation and Rheological Characterization of Imogolite Hydrogels. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-7.	1.5	7
17	Cotton wool-like poly(lactic acid)/vaterite composite scaffolds releasing soluble silica for bone tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 1649-1658.	1.7	24
18	Development of biomaterials with inorganic ions stimulating osteogenic cell functions. <i>Journal of the Ceramic Society of Japan</i> , 2013, 121, 377-381.	0.5	2

#	ARTICLE	IF	CITATIONS
19	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.	0.5	6
20	Effects of Niobium Ions Released from Calcium Phosphate Invert Glasses Containing Nb ₂ O ₅ on Osteoblast-Like Cell Functions. ACS Applied Materials & Interfaces, 2012, 4, 5684-5690.	4.0	70
21	Induction of hydroxycarbonate apatite formation on polyethylene or alumina substrates by spherical vaterite particles deposition. Materials Science and Engineering C, 2012, 32, 1976-1981.	3.8	2
22	Siloxane-poly(lactic acid)-vaterite composites with 3D cotton-like structure. Journal of Materials Science: Materials in Medicine, 2012, 23, 2349-2357.	1.7	38
23	MECHANICAL-TENSILE STRENGTHS AND CELL-PROLIFERATIVE ACTIVITIES OF ELECTROSPUN POLY(LACTIC-co-GLYCOLIC ACID) COMPOSITES CONTAINING β -TRICALCIUM PHOSPHATE. Phosphorus Research Bulletin, 2012, 26, 109-112.	0.1	0
24	Sintering and Crystallization of Phosphate Glasses by CO_2 Laser Irradiation on Hydroxyapatite Ceramics. International Journal of Applied Ceramic Technology, 2012, 9, 541-549.	1.1	4
25	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.	1.9	11
26	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.	0.5	1
27	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.	0.5	1
28	Electrospun microfiber meshes of silicon-doped vaterite/poly(lactic acid) hybrid for guided bone regeneration. Acta Biomaterialia, 2010, 6, 1248-1257.	4.1	91
29	Stimulation of human mesenchymal stem cells and osteoblasts activities <i>in vitro</i> on silicon-releasable scaffolds. Journal of Biomedical Materials Research - Part A, 2009, 91A, 11-17.	2.1	31
30	Enhanced in vitro cell activity on silicon-doped vaterite/poly(lactic acid) composites. Acta Biomaterialia, 2009, 5, 57-62.	4.1	54
31	Preparation of a Calcium Titanium Phosphate Glass-Ceramic with Improved Chemical Durability. Journal of the American Ceramic Society, 2009, 92, 1709-1712.	1.9	14
32	New Fabrication Process of Layered Membranes Based on Poly(Lactic Acid) Fibers for Guided Bone Regeneration. Materials Transactions, 2009, 50, 1737-1741.	0.4	7
33	SiO ₂ -CaO-P ₂ O ₅ sol-gel-derived glass coating on porous .BETA.-tricalcium phosphate ceramics. Journal of the Ceramic Society of Japan, 2009, 117, 1120-1125.	0.5	2
34	Ion release from SrO-CaO-TiO ₂ -P ₂ O ₅ glasses in Tris buffer solution. Journal of the Ceramic Society of Japan, 2009, 117, 935-938.	0.5	24
35	Cellular compatibility of bone-like apatite containing silicon species. Journal of Biomedical Materials Research - Part A, 2008, 85A, 140-144.	2.1	20
36	Apatite-forming ability on titanium surface modified by hydrothermal treatment and ultraviolet irradiation. Journal of Materials Research, 2008, 23, 3169-3175.	1.2	9

#	ARTICLE	IF	CITATIONS
37	Preparation of bone-like apatite coating on mullite ceramics with silicon-ion releasability. Journal of the Ceramic Society of Japan, 2008, 116, 14-19.	0.5	4
38	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
39	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