

Jintamai Suwanprateeb

List of Publications by Year in descending order

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74
papers

1,261
citations

448610

19
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466096

32
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76
all docs

76
docs citations

76
times ranked

1275
citing authors

#	ARTICLE	IF	CITATIONS
1	Clinical evaluation of 3D printed nano-porous hydroxyapatite bone graft for alveolar ridge preservation: A randomized controlled trial. <i>Journal of Dental Sciences</i> , 2022, 17, 194-203.	1.2	12
2	Effectiveness of bilayer porous polyethylene membrane for alveolar ridge preservation: A randomized controlled trial. <i>Clinical Implant Dentistry and Related Research</i> , 2021, 23, 73-85.	1.6	8
3	In vitro resorbability and granular characteristics of 3D-printed hydroxyapatite granules versus allograft, xenograft, and alloplast for alveolar cleft surgery applications. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2021, 235, 095441192110343.	1.0	0
4	<i>In vivo</i> evaluation of bilayer ORC/PCL composites in a rabbit model for using as a dural substitute. <i>Neurological Research</i> , 2020, 42, 879-889.	0.6	9
5	Performance evaluation of bilayer oxidized regenerated cellulose/poly $\hat{\mu}$ -caprolactone knitted fabric-reinforced composites for dural substitution. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2020, 234, 854-863.	1.0	12
6	Clinical and histological evaluations of alveolar ridge augmentation using a novel bi-layered porous polyethylene barrier membrane. <i>Journal of Oral Science</i> , 2020, 62, 308-313.	0.7	5
7	Evaluation of tissue ingrowth and reaction of a porous polyethylene block as an onlay bone graft in rabbit posterior mandible. <i>Journal of Periodontal and Implant Science</i> , 2020, 50, 106.	0.9	2
8	<i>In Vitro</i> Resorbability of 3D Printed Hydroxyapatite in Two Different pH Buffered Solutions. <i>Key Engineering Materials</i> , 2019, 798, 71-76.	0.4	0
9	Cranial reconstruction using prefabricated direct 3DP porous polyethylene. <i>Rapid Prototyping Journal</i> , 2019, 26, 278-287.	1.6	4
10	2D and 3D pore structure characterization of bi-layered porous polyethylene barrier membrane using SEM and micro-CT. <i>ScienceAsia</i> , 2019, 45, 159.	0.2	7
11	Bioactivity of a sol-gel-derived hydroxyapatite coating on titanium implants in vitro and in vivo. <i>Asian Biomedicine</i> , 2018, 12, 35-44.	0.2	7
12	Effect of Solvent and Drug Impregnation Techniques on Total Drug Content in Rifampicin Impregnated Hydroxyapatite for Localized Bone Tuberculosis Treatment. <i>Key Engineering Materials</i> , 2016, 690, 173-178.	0.4	3
13	Enhancement of mechanical properties of 3D printed hydroxyapatite by combined low and high molecular weight polycaprolactone sequential infiltration. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 171.	1.7	10
14	Bilayer oxidized regenerated cellulose/poly $\hat{\mu}$ -caprolactone knitted fabric-reinforced composite for use as an artificial dural substitute. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 122.	1.7	16
15	Physical and Mechanical Characterizations of Oxidized Regenerated Cellulose/Polycaprolactone Composite for Use as a Synthetic Dura Mater. <i>Key Engineering Materials</i> , 2015, 659, 19-23.	0.4	2
16	PREPARATION AND CHARACTERIZATIONS OF ANTIBIOTIC IMPREGNATED MICROPOROUS NANO-HYDROXYAPATITE FOR OSTEOMYELITIS TREATMENT. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2014, 26, 1450041.	0.3	14
17	Influence of Process Parameters on the Content of Biomimetic Calcium Phosphate Coating on Titanium: A Taguchi Analysis. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 7614-7620.	0.9	5
18	In vivo assessment of new resorbable PEG-PPG-PEG copolymer/starch bone wax in bone healing and tissue reaction of bone defect in rabbit model. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 2131-2139.	1.7	16

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19	Preparation and characterization of PEG-PPG-PEG copolymer/pregelatinized starch blends for use as resorbable bone hemostatic wax. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 2881-2888.	1.7	21
20	Evaluation of PEG-PPG-PEG Copolymer Blends for Using as Resorbable Bone Wax. <i>Advanced Materials Research</i> , 2013, 747, 174-177.	0.3	2
21	Development of Antibiotics Impregnated Nanosized Silver Phosphate-Doped Hydroxyapatite Bone Graft. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-9.	1.5	11
22	Preparation of 3DP Hydroxyapatite/Polycaprolactone Composite by a Novel Sequential Infiltration Technique. <i>Advanced Materials Research</i> , 2013, 747, 170-173.	0.3	1
23	Antimicrobial Performance and Cytotoxicity of Antibiotics Impregnated Hydroxyapatite for Osteomyelitis Treatment. <i>Advanced Materials Research</i> , 2012, 506, 513-516.	0.3	3
24	Customized Three Dimensional Printed Porous Polyethylene for Calvarial Reconstruction. <i>Advanced Materials Research</i> , 2012, 506, 477-480.	0.3	1
25	Influence of printing parameters on the transformation efficiency of 3D-printed plaster of paris to hydroxyapatite and its properties. <i>Rapid Prototyping Journal</i> , 2012, 18, 490-499.	1.6	40
26	Preparation of Nanosilver Loaded Calcium Phosphate by <i>In Situ</i> Phase Conversion Process. <i>Advanced Materials Research</i> , 2012, 506, 254-257.	0.3	0
27	Development of porous powder printed high density polyethylene for personalized bone implants. <i>Journal of Porous Materials</i> , 2012, 19, 623-632.	1.3	23
28	Preparation and characterization of nanosized silver phosphate loaded hydroxyapatite by single step co-conversion process. <i>Materials Science and Engineering C</i> , 2012, 32, 2122-2128.	3.8	23
29	Single step preparation of nanosilver loaded calcium phosphate by low temperature co-conversion process. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 2091-2100.	1.7	13
30	Evaluation of heat treatment regimes and their influences on the properties of powder-printed high-density polyethylene bone implant. <i>Polymer International</i> , 2011, 60, 758-764.	1.6	22
31	Low temperature preparation of calcium phosphate structure via phosphorization of 3D-printed calcium sulfate hemihydrate based material. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 419-429.	1.7	47
32	Influence of raw powder preparation routes on properties of hydroxyapatite fabricated by 3D printing technique. <i>Materials Science and Engineering C</i> , 2010, 30, 610-617.	3.8	63
33	Effect of Layer Thickness on the Phosphorization of 3DP Gypsum Based Monolith. <i>Advanced Materials Research</i> , 2010, 93-94, 63-66.	0.3	2
34	Fabrication of Porous Polyethylene by Two-Stepped Heat Treatment and Powder Printing Technique. <i>Advanced Materials Research</i> , 2010, 93-94, 165-168.	0.3	3
35	Mechanical and in vitro performance of apatite-wollastonite glass ceramic reinforced hydroxyapatite composite fabricated by 3D-printing. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 1281-1289.	1.7	113
36	Development of translucent and strong three dimensional printing models. <i>Rapid Prototyping Journal</i> , 2009, 15, 52-58.	1.6	17

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37	Fabrication of bioactive hydroxyapatite/bis-GMA based composite via three dimensional printing. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 2637-2645.	1.7	39
38	Self-reinforcement of three dimensionally printed polymethyl methacrylate. <i>Polymer Testing</i> , 2008, 27, 711-716.	2.3	9
39	Effect of binder content on the material properties of polymethyl methacrylate fabricated by three dimensional printing technique. <i>Journal of Materials Processing Technology</i> , 2008, 207, 40-45.	3.1	30
40	Comparative study of 3DP material systems for moisture resistance applications. <i>Rapid Prototyping Journal</i> , 2007, 13, 48-52.	1.6	12
41	3D printing of hydroxyapatite: Effect of binder concentration in pre-coated particle on part strength. <i>Materials Science and Engineering C</i> , 2007, 27, 914-921.	3.8	100
42	Properties improvement of three-dimensionally printed polymethyl methacrylate by bis-GMA-based resin infiltration. <i>Polymer Testing</i> , 2007, 26, 519-525.	2.3	9
43	Morphology of Thai Edentulous Mandible Using 3D Reverse Engineering: Relevance to Immediate Loading Dental Implant Design. <i>JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing</i> , 2006, 49, 859-864.	0.3	0
44	Improvement in mechanical properties of three-dimensional printing parts made from natural polymers reinforced by acrylate resin for biomedical applications: a double infiltration approach. <i>Polymer International</i> , 2006, 55, 57-62.	1.6	48
45	Strength improvement of critical-sized three dimensional printing parts by infiltration of solvent-free visible light-cured resin. <i>Journal of Materials Science: Materials in Medicine</i> , 2006, 17, 1383-1391.	1.7	8
46	Finite element study of the proximal femur with retained trochanteric gamma nail and after removal of nail. <i>Injury</i> , 2006, 37, 778-785.	0.7	33
47	Three-dimensional printing of porous polyethylene structure using water-based binders. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006, 78B, 138-145.	1.6	54
48	Rapid examination of annealing conditions for HDPE using indentation microhardness test. <i>Polymer Testing</i> , 2004, 23, 157-161.	2.3	8
49	Influence of Lateral Muscle Loading in the Proximal Femur after Fracture Stabilization with a Trochanteric Gamma Nail (TGN). <i>JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing</i> , 2004, 47, 1070-1074.	0.3	1
50	Radiation enhanced modification of HDPE for medical applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2003, 14, 851-855.	1.7	3
51	Finite element study of trochanteric gamma nail for trochanteric fracture. <i>Medical Engineering and Physics</i> , 2003, 25, 99-106.	0.8	72
52	Rice-husk-ash-based silica as a filler for embedding composites in electronic devices. <i>Journal of Applied Polymer Science</i> , 2002, 86, 3013-3020.	1.3	20
53	Using FT-Raman spectroscopy for quantitative determination of high filler content in particulated composites. <i>Journal of Applied Polymer Science</i> , 2000, 78, 1947-1954.	1.3	9
54	Rate-Dependent function in the correlation between hardness and yield stress of polyethylene composites. <i>Polymer Composites</i> , 2000, 21, 238-244.	2.3	8

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55	INSTRUMENTED IMPACT BEHAVIOR OF PARTICULATE-FILLED COMPOSITES. <i>Polymer-Plastics Technology and Engineering</i> , 2000, 39, 83-94.	1.9	15
56	Calcium carbonate filled polyethylene: correlation of hardness and yield stress. <i>Composites Part A: Applied Science and Manufacturing</i> , 2000, 31, 353-359.	3.8	62
57	Time-Dependent Hardness of Particulate-Filled Composites. <i>Journal of Materials Science</i> , 1998, 33, 4917-4921.	1.7	10
58	Influence of sterilization by gamma irradiation and of thermal annealing on creep of hydroxyapatite-reinforced polyethylene composites. , 1998, 39, 16-22.		42
59	A Comparison of Different Methods in Determining Load- and Time-Dependence of Vickers Hardness in Polymers. <i>Polymer Testing</i> , 1998, 17, 495-506.	2.3	24
60	Influence of Ringer's solution on creep resistance of hydroxyapatite reinforced polyethylene composites. <i>Journal of Materials Science: Materials in Medicine</i> , 1997, 8, 469-472.	1.7	41
61	Creep in polyethylene and hydroxyapatite reinforced polyethylene composites. <i>Journal of Materials Science: Materials in Medicine</i> , 1995, 6, 804-807.	1.7	27
62	Performance of Bioactive Hydroxyapatite Coating after Soaking in Simulated Body Fluid. <i>Advanced Materials Research</i> , 0, 93-94, 59-62.	0.3	2
63	Preparation of 3DP Hydroxyapatite Composite by Single and Double Pass Poly(μ -caprolactone) Infiltration. <i>Key Engineering Materials</i> , 0, 545, 69-73.	0.4	0
64	Rapid Biomimetic Coating of Biocompatible Calcium Phosphate on Titanium: Influence of Pretreated NaOH Concentration and Cleaning Method. <i>Advanced Materials Research</i> , 0, 1119, 444-448.	0.3	2
65	<i>In Vitro</i> Resorbability of Three Different Processed Hydroxyapatite. <i>Key Engineering Materials</i> , 0, 659, 3-7.	0.4	4
66	Rapid Biomimetic Coating of Calcium Phosphate on Titanium: Effect of Soaking Time, Temperature and Solution Refreshing. <i>Key Engineering Materials</i> , 0, 690, 81-86.	0.4	2
67	Effect of Process Parameters on Characteristics of Spray-Dried Hydroxyapatite Granules. <i>Key Engineering Materials</i> , 0, 728, 341-346.	0.4	4
68	Effect of Process Parameters on Biomimetic Deposition of Calcium Phosphate on 3D Printed Hydroxyapatite. <i>Key Engineering Materials</i> , 0, 751, 599-604.	0.4	5
69	The Use of Three Dimensional Printed Hydroxyapatite Granules in Alveolar Ridge Preservation. <i>Key Engineering Materials</i> , 0, 751, 663-667.	0.4	5
70	Biomimetically Co-Deposition of Bovine Serum Albumin and Calcium Phosphate on 3D Printed Hydroxyapatite: Influence of Time, Temperature and Concentration. <i>Key Engineering Materials</i> , 0, 766, 83-87.	0.4	1
71	Enhancing the Phase Conversion of Hydroxyapatite from Calcium Sulphate Hemihydrate by Hydrothermal Reaction. <i>Key Engineering Materials</i> , 0, 766, 288-293.	0.4	1
72	Properties Alteration of Anti-Tuberculosis Drugs Loaded 3D Printed Hydroxyapatite by Polycaprolactone Coating. <i>Key Engineering Materials</i> , 0, 766, 94-98.	0.4	2

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73	A Comparative Study of Granular Agglomeration between 3D Printed Hydroxyapatite and Commercial Bone Graft Granules. Key Engineering Materials, 0, 798, 83-87.	0.4	1
74	Tissue Integrated 3D Printed Porous Polyethylene Implant. Key Engineering Materials, 0, 798, 65-70.	0.4	1