

Kwang-Mahn Kim

List of Publications by Year in descending order

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146
papers

2,878
citations

186265

28
h-index

265206

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149
all docs

149
docs citations

149
times ranked

3819
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of 35% hydrogen peroxide solution containing hydrated calcium silicate on enamel surface. <i>Clinical Oral Investigations</i> , 2022, 26, 2133-2142.	3.0	8
2	Multivalent network modifier upregulates bioactivity of multispecies biofilm-resistant polyalkenoate cement. <i>Bioactive Materials</i> , 2022, 14, 219-233.	15.6	7
3	Cytotoxicity, Colour Stability and Dimensional Accuracy of 3D Printing Resin with Three Different Photoinitiators. <i>Polymers</i> , 2022, 14, 979.	4.5	28
4	Release of Bisphenol A from Pit and Fissure Sealants According to Different pH Conditions. <i>Polymers</i> , 2022, 14, 37.	4.5	2
5	Effects of incorporating 45S5 bioactive glass into 30% hydrogen peroxide solution on whitening efficacy and enamel surface properties. <i>Clinical Oral Investigations</i> , 2022, 26, 5301-5312.	3.0	9
6	Acid neutralizing and remineralizing orthodontic adhesive containing hydrated calcium silicate. <i>Journal of Dentistry</i> , 2022, 123, 104204.	4.1	5
7	Time-dependent effects after enamel fluoride application on an acid etching system in orthodontic bracket bonding. <i>Clinical Oral Investigations</i> , 2021, 25, 497-505.	3.0	4
8	Improvement of the mechanical and biological properties of bioactive glasses by the addition of zirconium oxide (ZrO_2) as a synthetic bone graft substitute. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 1196-1208.	4.0	15
9	Mechanical Properties and Wear Resistance of Commercial Stainless Steel Used in Dental Instruments. <i>Materials</i> , 2021, 14, 827.	2.9	2
10	Physical, Chemical, Mechanical, and Biological Properties of Four Different Commercial Root-End Filling Materials: A Comparative Study. <i>Materials</i> , 2021, 14, 1693.	2.9	14
11	Enamel Demineralization Resistance and Remineralization by Various Fluoride-Releasing Dental Restorative Materials. <i>Materials</i> , 2021, 14, 4554.	2.9	12
12	Multiple Porous Synthetic Bone Graft Comprising Engineered Micro-Channel for Drug Carrier and Bone Regeneration. <i>Materials</i> , 2021, 14, 5320.	2.9	3
13	Mechanical and physico-chemical properties of premixed-MTA in contact with three different types of solutions. <i>Korean Journal of Dental Materials</i> , 2021, 48, 281-292.	0.1	2
14	Bioresorbable magnesium-reinforced PLA membrane for guided bone/tissue regeneration. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 112, 104061.	3.1	27
15	Primary Stability of Orthodontic Titanium Miniscrews due to Cortical Bone Density and Re-Insertion. <i>Materials</i> , 2020, 13, 4433.	2.9	5
16	Development of a Bioactive Flowable Resin Composite Containing a Zinc-Doped Phosphate-Based Glass. <i>Nanomaterials</i> , 2020, 10, 2311.	4.1	20
17	Osteogenic Properties of Novel Methylsulfonylmethane-Coated Hydroxyapatite Scaffold. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8501.	4.1	7
18	Enhanced Osteogenic Differentiation of Human Mesenchymal Stem Cells on Amine-Functionalized Titanium Using Humidified Ammonia Supplied Nonthermal Atmospheric Pressure Plasma. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6085.	4.1	10

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19	Prevention of Secondary Caries Using Resin-Based Pit and Fissure Sealants Containing Hydrated Calcium Silicate. <i>Polymers</i> , 2020, 12, 1200.	4.5	18
20	Antibacterial and Osteogenic Activity of Titania Nanotubes Modified with Electrospray-Deposited Tetracycline Nanoparticles. <i>Nanomaterials</i> , 2020, 10, 1093.	4.1	10
21	Enhanced mechanical properties of ZrO ₂ -Al ₂ O ₃ dental ceramic composites by altering Al ₂ O ₃ form. <i>Dental Materials</i> , 2020, 36, e117-e125.	3.5	14
22	Effect of Heat and Sonic Vibration on Penetration of a Flowable Resin Composite Used as a Pit and Fissure Sealant. <i>Journal of Clinical Pediatric Dentistry</i> , 2020, 44, 41-46.	1.0	4
23	Adhesion between Epoxy Resin-Based Fiber Post and Dental Core Resin Improved by Non-Thermal Atmospheric Pressure Plasma. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2535.	2.5	3
24	Boron nitride nanoplatelets as reinforcement material for dental ceramics. <i>Dental Materials</i> , 2020, 36, 744-754.	3.5	16
25	Study on the efficacy, physical and chemical properties of tooth manicure products. <i>Korean Journal of Dental Materials</i> , 2020, 47, 23-36.	0.1	1
26	Effect of wet storage on the bioactivity of ultraviolet light- and non-thermal atmospheric pressure plasma-treated titanium and zirconia implant surfaces. <i>Materials Science and Engineering C</i> , 2019, 105, 110049.	7.3	28
27	Bioactive resin-based composite with surface pre-reacted glass-ionomer filler and zwitterionic material to prevent the formation of multi-species biofilm. <i>Dental Materials</i> , 2019, 35, 1331-1341.	3.5	41
28	Synergistic Effect of Porous Hydroxyapatite Scaffolds Combined with Bioactive Glass/Poly(lactic-co-glycolic acid) Composite Fibers Promotes Osteogenic Activity and Bioactivity. <i>ACS Omega</i> , 2019, 4, 2302-2310.	3.5	21
29	Novel anti-biofouling bioactive calcium silicate-based cement containing 2-methacryloyloxyethyl phosphorylcholine. <i>PLoS ONE</i> , 2019, 14, e0211007.	2.5	26
30	Comparing Properties of Variable Pore-Sized 3D-Printed PLA Membrane with Conventional PLA Membrane for Guided Bone/Tissue Regeneration. <i>Materials</i> , 2019, 12, 1718.	2.9	38
31	A prospective, split-mouth, clinical study of orthodontic titanium miniscrews with machined and acid-etched surfaces. <i>Angle Orthodontist</i> , 2019, 89, 411-417.	2.4	14
32	Novel anti-biofouling light-curable fluoride varnish containing 2-methacryloyloxyethyl phosphorylcholine to prevent enamel demineralization. <i>Scientific Reports</i> , 2019, 9, 1432.	3.3	25
33	The antibacterial effect of non-thermal atmospheric pressure plasma treatment of titanium surfaces according to the bacterial wall structure. <i>Scientific Reports</i> , 2019, 9, 1938.	3.3	63
34	Effects of a Non-Thermal Atmospheric Pressure Plasma Jet with Different Gas Sources and Modes of Treatment on the Fate of Human Mesenchymal Stem Cells. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4819.	2.5	3
35	In vitro Effects of Cyclic Dislodgement on Retentive Properties of Various Titanium-Based Dental Implant Overdentures Attachment System. <i>Materials</i> , 2019, 12, 3770.	2.9	6
36	Changes in the physical properties and color stability of aesthetic restorative materials caused by various beverages. <i>Dental Materials Journal</i> , 2019, 38, 33-40.	1.8	32

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37	Comparison of physical properties of the various 3D printing temporary crown and bridge resin. Korean Journal of Dental Materials, 2019, 46, 139-152.	0.1	7
38	Round robin study to evaluate the reconstructed human epidermis (RhE) model as an in vitro skin irritation test for detection of irritant activity in medical device extracts. Toxicology in Vitro, 2018, 50, 439-449.	2.4	24
39	Effects of prestretch on stress relaxation and permanent deformation of orthodontic synthetic elastomeric chains. Korean Journal of Orthodontics, 2018, 48, 384.	2.3	8
40	The Effects of Non-Thermal Atmospheric Pressure Plasma treated Titanium Surface on Behaviors of Oral Soft Tissue Cells. Scientific Reports, 2018, 8, 15963.	3.3	20
41	Debonding force and shear bond strength of an array of CAD/CAM-based customized orthodontic brackets, placed by indirect bonding- An In Vitro study. PLoS ONE, 2018, 13, e0202952.	2.5	17
42	Effects of thermoforming on the physical and mechanical properties of thermoplastic materials for transparent orthodontic aligners. Korean Journal of Orthodontics, 2018, 48, 316.	2.3	75
43	Non-thermal atmospheric pressure plasma functionalized dental implant for enhancement of bacterial resistance and osseointegration. Dental Materials, 2017, 33, 257-270.	3.5	57
44	Achieving controllable degradation of a biomedical magnesium alloy by anodizing in molten ammonium bifluoride. Surface and Coatings Technology, 2017, 313, 282-287.	4.8	35
45	Overcoming the biological aging of titanium using a wet storage method after ultraviolet treatment. Scientific Reports, 2017, 7, 3833.	3.3	28
46	Effect of the ultraviolet light treatment and storage methods on the biological activity of a titanium implant surface. Dental Materials, 2017, 33, 1426-1435.	3.5	23
47	Antibacterial activity and effect on gingival cells of microwave-pulsed non-thermal atmospheric pressure plasma in artificial saliva. Scientific Reports, 2017, 7, 8395.	3.3	18
48	Bacterial attachment on titanium surfaces is dependent on topography and chemical changes induced by nonthermal atmospheric pressure plasma. Biomedical Materials (Bristol), 2017, 12, 045015.	3.3	29
49	Immunomodulatory/anti-inflammatory effect of ZOE-based dental materials. Dental Materials, 2017, 33, e1-e12.	3.5	24
50	Evaluation of the marginal and internal discrepancies of CAD-CAM endocrowns with different cavity depths: An in vitro study. Journal of Prosthetic Dentistry, 2017, 117, 109-115.	2.8	46
51	The effect of fluoride-containing oral rinses on the corrosion resistance of titanium alloy (Ti-6Al-4V). Korean Journal of Orthodontics, 2017, 47, 306.	2.3	9
52	Cytotoxicity of Light-Cured Dental Materials according to Different Sample Preparation Methods. Materials, 2017, 10, 288.	2.9	29
53	Effects of recycling on the biomechanical characteristics of retrieved orthodontic miniscrews. Korean Journal of Orthodontics, 2017, 47, 238.	2.3	6
54	Influences of filler content and size on the color adjustment potential of nonlayered resin composites. Dental Materials Journal, 2017, 36, 35-40.	1.8	25

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55	Comparison of the Physical and Mechanical Properties of Resin Matrix with Two Photoinitiator Systems in Dental Adhesives. <i>Polymers</i> , 2016, 8, 250.	4.5	6
56	Acid Neutralizing Ability and Shear Bond Strength Using Orthodontic Adhesives Containing Three Different Types of Bioactive Glass. <i>Materials</i> , 2016, 9, 125.	2.9	18
57	Bone Regeneration Using a Mixture of Silicon-Substituted Coral HA and β -TCP in a Rat Calvarial Bone Defect Model. <i>Materials</i> , 2016, 9, 97.	2.9	14
58	Long-Term Antibacterial Performance and Bioactivity of Plasma-Engineered Ag-NPs/TiO ₂ /Nanotubes for Bio-Implants. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 1890-1906.	1.1	15
59	The <i>in vitro</i> and <i>in vivo</i> effects of a fast-dissolving mucoadhesive bi-layered strip as topical anesthetics. <i>Dental Materials Journal</i> , 2016, 35, 601-605.	1.8	13
60	Enamel Surface with Pit and Fissure Sealant Containing 45S5 Bioactive Glass. <i>Journal of Dental Research</i> , 2016, 95, 550-557.	5.2	37
61	Titanium-Silver Alloy Miniplates for Mandibular Fixation: In Vitro and In Vivo Study. <i>Journal of Oral and Maxillofacial Surgery</i> , 2016, 74, 1622.e1-1622.e12.	1.2	14
62	Time-dependent effects of ultraviolet and nonthermal atmospheric pressure plasma on the biological activity of titanium. <i>Scientific Reports</i> , 2016, 6, 33421.	3.3	43
63	Effect of non-thermal air atmospheric pressure plasma jet treatment on gingival wound healing. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 075402.	2.8	16
64	Non-thermal atmospheric pressure plasma increased mRNA expression of growth factors in human gingival fibroblasts. <i>Clinical Oral Investigations</i> , 2016, 20, 1801-1808.	3.0	24
65	Cytotoxicity and anti-inflammatory effects of zinc ions and eugenol during setting of ZOE in immortalized human oral keratinocytes grown as three-dimensional spheroids. <i>Dental Materials</i> , 2016, 32, e93-e104.	3.5	32
66	Selective Killing Effects of Cold Atmospheric Pressure Plasma with NO Induced Dysfunction of Epidermal Growth Factor Receptor in Oral Squamous Cell Carcinoma. <i>PLoS ONE</i> , 2016, 11, e0150279.	2.5	43
67	Agar Overlay Test of Root Canal Sealers Before and After Setting Procedures. <i>Korean Journal of Dental Materials</i> , 2016, 43, 91-100.	0.1	1
68	Evaluation of Physical Properties of Titanium Specimen Fabricated by 3D Printing Technique. <i>Korean Journal of Dental Materials</i> , 2016, 43, 29-42.	0.1	3
69	Investigational Study of Hybrid Bone Graft Materials with Calcium Silicate and Pluronic® F127-based Hydrogel. <i>Korean Journal of Dental Materials</i> , 2016, 43, 73-80.	0.1	0
70	A Study on the Fluoride Release, Microhardness and Cytotoxicity of Fluoride Releasing Restorative Materials. <i>Korean Journal of Dental Materials</i> , 2016, 43, 299-306.	0.1	2
71	An Alternative to Annealing TiO ₂ Nanotubes for Morphology Preservation: Atmospheric Pressure Plasma Jet Treatment. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 2501-2507.	0.9	2
72	Biocompatibility Evaluation of Dental Luting Cements Using Cytokine Released from Human Oral Fibroblasts and Keratinocytes. <i>Materials</i> , 2015, 8, 7269-7277.	2.9	5

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73	The Study on Inhibition of Planktonic Bacterial Growth by Non-Thermal Atmospheric Pressure Plasma Jet Treated Surfaces for Dental Application. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 334-341.	1.1	29
74	Air atmospheric-pressure plasma-jet treatment enhances the attachment of human gingival fibroblasts for early peri-implant soft tissue seals on titanium dental implant abutments. <i>Acta Odontologica Scandinavica</i> , 2015, 73, 67-75.	1.6	28
75	Cytotoxicity and terminal differentiation of human oral keratinocyte by indium ions from a silver-palladium-gold-indium dental alloy. <i>Dental Materials</i> , 2015, 31, 123-133.	3.5	13
76	Catechol-Functionalized Synthetic Polymer as a Dental Adhesive to Contaminated Dentin Surface for a Composite Restoration. <i>Biomacromolecules</i> , 2015, 16, 2265-2275.	5.4	76
77	Strain of bone-implant interface and insertion torque regarding different miniscrew thread designs using an artificial bone model. <i>European Journal of Orthodontics</i> , 2015, 37, 268-274.	2.4	16
78	Development of a transparent, non-cytotoxic, silver ion-exchanged glass with antimicrobial activity and low ion elution. <i>Enzyme and Microbial Technology</i> , 2015, 72, 65-71.	3.2	6
79	Osteoconduction capacity of human deciduous and permanent teeth ash in a rat calvarial bone defect model. <i>Cell and Tissue Banking</i> , 2015, 16, 361-369.	1.1	8
80	Extraction analysis of dental materials for safety evaluation using human oral mucosa model. <i>Ci'gwa Gi'jae Haghoeji - Daehan Ci'gwa Gi'jae Haghoe</i> , 2015, 42, 1.	0.3	0
81	In vitro and in vivo biocompatibility evaluation of dental zirconia ceramic. <i>Ci'gwa Gi'jae Haghoeji - Daehan Ci'gwa Gi'jae Haghoe</i> , 2015, 42, 65.	0.3	1
82	Tooth bleaching effect by nonthermal atmospheric pressure plasma with humid condition. <i>Ci'gwa Gi'jae Haghoeji - Daehan Ci'gwa Gi'jae Haghoe</i> , 2015, 42, 157.	0.3	0
83	Resistance to decalcification of enamel of glass ionomer cement with $\hat{I}\pm$ -TCP. <i>Ci'gwa Gi'jae Haghoeji - Daehan Ci'gwa Gi'jae Haghoe</i> , 2015, 42, 107.	0.3	0
84	Comparative study for global harmonization of dental materialsâ€™™ classification of various countries. <i>Ci'gwa Gi'jae Haghoeji - Daehan Ci'gwa Gi'jae Haghoe</i> , 2015, 42, 335.	0.3	0
85	BMP-2 Promotes Oral Squamous Carcinoma Cell Invasion by Inducing CCL5 Release. <i>PLoS ONE</i> , 2014, 9, e108170.	2.5	20
86	Cytotoxicity Test of One-Step Self-Etching Bonding Agents by Standardized Dentin Barrier Test Using Polyurethane Discs. <i>Materials</i> , 2014, 7, 85-96.	2.9	4
87	Positive control for cytotoxicity evaluation of dental vinyl polysiloxane impression materials using sodium lauryl sulfate. <i>Acta Odontologica Scandinavica</i> , 2014, 72, 618-622.	1.6	3
88	A Comparative Study of Three Cytotoxicity Test Methods for Nanomaterials Using Sodium Lauryl Sulfate. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 8043-8047.	0.9	0
89	Air Atmospheric Pressure Plasma Jet Pretreatment for Drop-Wise Loading of Dexamethasone on Hydroxyapatite Scaffold for Increase of Osteoblast Attachment. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 7654-7661.	0.9	6
90	Cytotoxicity evaluation of zinc oxide-eugenol and non-eugenol cements using different fibroblast cell lines. <i>Acta Odontologica Scandinavica</i> , 2014, 72, 64-70.	1.6	23

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91	Development of hydrophilic dental wax without surfactant using a non-thermal air atmospheric pressure plasma jet. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 235402.	2.8	13
92	Cell immobilization on polymer by air atmospheric pressure plasma jet treatment. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 086202.	1.5	15
93	Characterization of hydroxyapatite containing a titania layer formed by anodization coupled with blasting. <i>Acta Odontologica Scandinavica</i> , 2014, 72, 989-998.	1.6	2
94	The disinfection of impression materials by using microwave irradiation and hydrogen peroxide. <i>Journal of Prosthetic Dentistry</i> , 2014, 112, 981-987.	2.8	19
95	Multiple Teeth Fractures in Dentinogenesis Imperfecta: A Case Report. <i>Journal of Clinical Pediatric Dentistry</i> , 2014, 38, 362-365.	1.0	9
96	Cellular Attachment and Differentiation on Titania Nanotubes Exposed to Air- or Nitrogen-Based Non-Thermal Atmospheric Pressure Plasma. <i>PLoS ONE</i> , 2014, 9, e113477.	2.5	31
97	Effect of non-thermal atmospheric pressure nitrogen and air plasma on the surface properties and the disinfection of denture base resin. <i>Journal of Korean Society of Dental Hygiene</i> , 2014, 14, 783-788.	0.1	1
98	The effects of enhancing the surface energy of a polystyrene plate by air atmospheric pressure plasma jet on early attachment of fibroblast under moving incubation. <i>Thin Solid Films</i> , 2013, 547, 99-105.	1.8	25
99	Cytotoxicity test of dentin bonding agents using millipore filters as dentin substitutes in a dentin barrier test. <i>Clinical Oral Investigations</i> , 2013, 17, 1489-1496.	3.0	15
100	Surface modification of biphasic calcium phosphate scaffolds by non-thermal atmospheric pressure nitrogen and air plasma treatment for improving osteoblast attachment and proliferation. <i>Thin Solid Films</i> , 2013, 547, 235-240.	1.8	32
101	Tooth Whitening Effects by Atmospheric Pressure Cold Plasmas with Different Gases. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 11NF02.	1.5	4
102	Modification of TiO ₂ nanotube surfaces by electro-spray deposition of amoxicillin combined with PLGA for bactericidal effects at surgical implantation sites. <i>Acta Odontologica Scandinavica</i> , 2013, 71, 168-174.	1.6	25
103	E-beam fabrication of antibacterial silver nanoparticles on diameter-controlled TiO ₂ nanotubes for bio-implants. <i>Surface and Coatings Technology</i> , 2013, 228, S360-S366.	4.8	28
104	Acid neutralizing, mechanical and physical properties of pit and fissure sealants containing melt-derived 45S5 bioactive glass. <i>Dental Materials</i> , 2013, 29, 1228-1235.	3.5	58
105	Development and in vitro assays of porous calcium polyphosphate granules. <i>Ceramics International</i> , 2013, 39, 4991-4997.	4.8	5
106	Effect of non-thermal plasma on loading of tetracycline combined with plga into titania nanotube. , 2012, , .		0
107	Effects of tooth whitening by a cold atmospheric nitrogen plasma. , 2012, , .		0
108	Enhanced function of human periodontal ligament cells cultured on nanoporous titanium surfaces. , 2012, , .		0

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109	Antimicrobial efficacy of non-thermal atmospheric pressure plasma jet on oral micro-organisms. , 2012, , .		0
110	Surface oxide layer formation on Au-Pt-Pd-Si alloys for dental resin restorations. International Journal of Materials Research, 2012, 103, 1503-1508.	0.3	0
111	Fabrication of hollow hydroxyapatite spherical granules for hard tissue regeneration and alternative method for drug release test. Micro and Nano Letters, 2012, 7, 634.	1.3	4
112	Antibacterial effect of sand blasted, large-grit, acid-etched treated Tiâ€“Ag alloys. Materials Research Bulletin, 2012, 47, 2952-2955.	5.2	50
113	Evaluation of copper ion of antibacterial effect on Pseudomonas aeruginosa, Salmonella typhimurium and Helicobacter pylori and optical, mechanical properties. Applied Surface Science, 2012, 258, 3823-3828.	6.1	23
114	Bioactivity and mechanical properties of collagen composite membranes reinforced by chitosan and Î²â€“tricalcium phosphate. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 1935-1942.	3.4	22
115	Time-dependent growth of titania nanotubes from sputtered titanium thin films for bio-application. , 2012, , .		0
116	The biomimetic apatite-cefalotin coatings on modified titanium. Dental Materials Journal, 2012, 31, 98-105.	1.8	19
117	Gelatin-layered and multi-sized porous Î²-tricalcium phosphate for tissue engineering scaffold. Nanoscale Research Letters, 2012, 7, 78.	5.7	15
118	Antibacterial effect and cytocompatibility of nano-structured TiO2 film containing Cl. Dental Materials Journal, 2011, 30, 790-798.	1.8	10
119	Effect of the simulated body fluid containing bleaching agent on the hypersensitivity and surface microhardness of the tooth. Materials Letters, 2011, 65, 3502-3505.	2.6	4
120	Drug-loaded porous spherical hydroxyapatite granules for bone regeneration. Journal of Materials Science: Materials in Medicine, 2011, 22, 349-355.	3.6	42
121	Study on bioactivity and bonding strength between Ti alloy substrate and TiO2 film by micro-arc oxidation. Thin Solid Films, 2011, 519, 7065-7070.	1.8	38
122	Silver ion-exchanged sodium titanate and resulting effect on antibacterial efficacy. Surface and Coatings Technology, 2010, 205, S172-S176.	4.8	24
123	Fabrication and characterization of the microporous and nanoporous anodic oxidations of titaniumâ€“silver alloys. Surface and Interface Analysis, 2010, 42, 524-529.	1.8	5
124	Targeting to carcinoma cells with chitosanâ€“and starchâ€“coated magnetic nanoparticles for magnetic hyperthermia. Journal of Biomedical Materials Research - Part A, 2009, 88A, 1-11.	4.0	100
125	Antibacterial effects and cytocompatibility of titanium anodized in sodium chloride, calcium acetate, and Å–glycerol phosphate disodium salt pentahydrate mixed solution. Thin Solid Films, 2009, 517, 5390-5393.	1.8	8
126	Surface modification of a guided tissue regeneration membrane using tetracyclineâ€“containing biodegradable polymers. Surface and Interface Analysis, 2008, 40, 192-197.	1.8	9

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127	Change of surface property of dental impression materials according to time and disinfection. <i>Surface and Interface Analysis</i> , 2008, 40, 188-191.	1.8	4
128	The release behavior of CHX from polymer-coated titanium surfaces. <i>Surface and Interface Analysis</i> , 2008, 40, 202-204.	1.8	31
129	Improvement of bonding strength to titanium surface by sol-gel derived hybrid coating of hydroxyapatite and titania by sol-gel process. <i>Surface and Coatings Technology</i> , 2007, 202, 1135-1138.	4.8	46
130	Effect of calcium phosphate glass on bone formation in calvarial defects of Sprague-Dawley rats. <i>Journal of Materials Science: Materials in Medicine</i> , 2006, 17, 807-813.	3.6	12
131	Tuning of magnetite nanoparticles to hyperthermic thermoseed by controlled spray method. <i>Journal of Materials Science</i> , 2006, 41, 7279-7282.	3.7	4
132	Feasibility of three-dimensional macroporous scaffold using calcium phosphate glass and polyurethane sponge. <i>Journal of Materials Science</i> , 2006, 41, 4357-4364.	3.7	32
133	Bioactivity of calcium phosphate coatings prepared by electrodeposition in a modified simulated body fluid. <i>Materials Letters</i> , 2006, 60, 2573-2577.	2.6	66
134	Bioactive calcium phosphate coating prepared on H ₂ O ₂ -treated titanium substrate by electrodeposition. <i>Surface and Coatings Technology</i> , 2005, 195, 252-257.	4.8	54
135	Preparation and characterization of magnetic chitosan particles for hyperthermia application. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 293, 328-333.	2.3	74
136	Temperature change of various ferrite particles with alternating magnetic field for hyperthermic application. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 293, 320-327.	2.3	68
137	Cytotoxicity of ferrite particles by MTT and agar diffusion methods for hyperthermic application. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 293, 287-292.	2.3	77
138	Biodistribution of chitosan-based magnetite suspensions for targeted hyperthermia in ICR mice. <i>IEEE Transactions on Magnetics</i> , 2005, 41, 4158-4160.	2.1	9
139	Bone formation in calvarial defects of Sprague-Dawley rats by transplantation of calcium phosphate glass. <i>Journal of Biomedical Materials Research - Part A</i> , 2005, 74A, 497-502.	4.0	17
140	A stainless steel bracket for orthodontic application. <i>European Journal of Orthodontics</i> , 2005, 27, 237-244.	2.4	61
141	Mechanism study on surface activation of surfactant-modified polyvinyl siloxane impression materials. <i>Journal of Applied Polymer Science</i> , 2004, 92, 2395-2401.	2.6	13
142	Proliferation, differentiation, and calcification of preosteoblast-like MC3T3-E1 cells cultured onto noncrystalline calcium phosphate glass. <i>Journal of Biomedical Materials Research Part B</i> , 2004, 69A, 188-195.	3.1	29
143	Necrosis of Carcinoma Cells Using $\text{Co}_1\text{-Ni}_m\text{Fe}_2\text{O}_4$ and $\text{Ba}_1\text{-Sr}_m\text{Fe}_{12}\text{O}_{19}$ Ferrites Under Alternating Magnetic Field. <i>IEEE Transactions on Magnetics</i> , 2004, 40, 2985-2987.	2.1	1
144	Synthesis and Performance of Magnetic Composite Comprising Barium Ferrite and Biopolymer. <i>IEEE Transactions on Magnetics</i> , 2004, 40, 2961-2963.	2.1	8

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145	Effect of non-ionic surfactants on surface properties of hydrophilic polyvinyl siloxane impression materials. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 229, 9-17.	4.7	10
146	Dimensional changes of dental impression materials by thermal changes. <i>Journal of Biomedical Materials Research Part B</i> , 2001, 58, 217-220.	3.1	58