

Young-Hag Koh

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

146 papers	5,143 citations	42 h-index	63 g-index
150 ext. papers	5,606 ext. citations	4.7 avg, IF	5.59 L-index

#	Paper	IF	Citations
146	Dual-Scale Porosity Alumina Structures Using Ceramic/Camphene Suspensions Containing Polymer Microspheres. <i>Materials</i> , 2022 , 15, 3875	3.5	
145	Dual-scale porous biphasic calcium phosphate gyroid scaffolds using ceramic suspensions containing polymer microsphere porogen for digital light processing. <i>Ceramics International</i> , 2021 , 47, 11285-11293	5.1	3
144	Novel camphene/photopolymer solution as pore-forming agent for photocuring-assisted additive manufacturing of porous ceramics. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 655-662	6	5
143	Improving mechanical properties of porous calcium phosphate scaffolds by constructing elongated gyroid structures using digital light processing. <i>Ceramics International</i> , 2021 , 47, 3252-3258	5.1	8
142	UV curing-assisted 3D plotting of core-shelled feedrod for macroporous hydroxyapatite scaffolds comprised of microporous hollow filaments. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 6729-6737	6	3
141	Novel poly(ϵ -caprolactone) scaffolds comprised of tailored core/shell-structured filaments using 3D plotting technique. <i>Materials Letters</i> , 2020 , 269, 127659	3.3	2
140	Enhanced Mechanical Strength, Flexibility, and Shape-Restoring Rate of a Drug-Eluting Shape-Memory Polymer by Incorporation of Supramolecular Cross-Linkers. <i>ACS Macro Letters</i> , 2020 , 9, 389-395	6.6	8
139	Digital light processing of zirconia prostheses with high strength and translucency for dental applications. <i>Ceramics International</i> , 2020 , 46, 28211-28218	5.1	9
138	Photocurable ceramic/monomer feedstocks containing terpene crystals as sublimable porogen for UV curing-assisted 3D plotting. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 3469-3477	6	6
137	Digital Light Processing of Freeze-cast Ceramic Layers for Macroporous Calcium Phosphate Scaffolds with Tailored Microporous Frameworks. <i>Materials</i> , 2019 , 12,	3.5	9
136	Innovative in situ photocuring-assisted 3D plotting technique for complex-shaped ceramic architectures with high shape retention. <i>Ceramics International</i> , 2019 , 45, 8440-8447	5.1	8
135	Photocurable ceramic slurry using solid camphor as novel diluent for conventional digital light processing (DLP) process. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 4358-4365	6	30
134	Novel additive manufacturing of photocurable ceramic slurry containing freezing vehicle as porogen for hierarchical porous structure. <i>Ceramics International</i> , 2019 , 45, 21321-21327	5.1	12
133	Biomimetic porous Mg with tunable mechanical properties and biodegradation rates for bone regeneration. <i>Acta Biomaterialia</i> , 2019 , 84, 453-467	10.8	38
132	Coextrusion-Based 3D Plotting of Ceramic Pastes for Porous Calcium Phosphate Scaffolds Comprised of Hollow Filaments. <i>Materials</i> , 2018 , 11,	3.5	9
131	Porous Calcium Phosphate Ceramic Scaffolds with Tailored Pore Orientations and Mechanical Properties Using Lithography-Based Ceramic 3D Printing Technique. <i>Materials</i> , 2018 , 11,	3.5	24
130	Design and Production of Continuously Gradient Macro/Microporous Calcium Phosphate (CaP) Scaffolds Using Ceramic/Camphene-Based 3D Extrusion. <i>Materials</i> , 2017 , 10,	3.5	9

129	Cytocompatibility of TiAlC, TiSiC, and TiAlN: Tests and First-Principles Calculations. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 2293-2301	5.5	40
128	Novel Self-Assembly-Induced Gelation for Nanofibrous Collagen/Hydroxyapatite Composite Microspheres. <i>Materials</i> , 2017 , 10,	3.5	5
127	Production of Poly(εCaprolactone)/Hydroxyapatite Composite Scaffolds with a Tailored Macro/Micro-Porous Structure, High Mechanical Properties, and Excellent Bioactivity. <i>Materials</i> , 2017 , 10,	3.5	52
126	Calcium phosphate ceramics with continuously gradient macrochannels using three-dimensional extrusion of bilayered ceramic-camphene mixture/pure camphene feedrod. <i>Ceramics International</i> , 2016 , 42, 15603-15609	5.1	5
125	Novel Three-Dimensional Extrusion of Multilayered Ceramic/Camphene Mixture for Gradient Porous Ceramics. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 395-398	3.8	7
124	Reinforcement of polyetheretherketone polymer with titanium for improved mechanical properties and in vitro biocompatibility. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016 , 104, 141-8	3.5	22
123	Strong and Biostable Hyaluronic Acid-Calcium Phosphate Nanocomposite Hydrogel via in Situ Precipitation Process. <i>Biomacromolecules</i> , 2016 , 17, 841-51	6.9	50
122	Synthesis of nanofibrous gelatin/silica bioglass composite microspheres using emulsion coupled with thermally induced phase separation. <i>Materials Science and Engineering C</i> , 2016 , 62, 678-85	8.3	12
121	Synthesis and evaluation of bone morphogenetic protein (BMP)-loaded hydroxyapatite microspheres for enhanced bone regeneration. <i>Ceramics International</i> , 2016 , 42, 7748-7756	5.1	15
120	Large-scale nanopatterning of metal surfaces by target-ion induced plasma sputtering (TIPS). <i>RSC Advances</i> , 2016 , 6, 23702-23708	3.7	16
119	Ti scaffolds with tailored porosities and mechanical properties using porous polymer templates. <i>Materials and Design</i> , 2016 , 101, 323-331	8.1	13
118	Poly(ether imide)-silica hybrid coatings for tunable corrosion behavior and improved biocompatibility of magnesium implants. <i>Biomedical Materials (Bristol)</i> , 2016 , 11, 035003	3.5	23
117	Novel self-assembly-induced 3D plotting for macro/nano-porous collagen scaffolds comprised of nanofibrous collagen filaments. <i>Materials Letters</i> , 2015 , 143, 265-268	3.3	14
116	Porous alumina ceramic scaffolds with biomimetic macro/micro-porous structure using three-dimensional (3-D) ceramic/camphene-based extrusion. <i>Ceramics International</i> , 2015 , 41, 12371-12377	5.1	37
115	Macroporous alumina scaffolds consisting of highly microporous hollow filaments using three-dimensional ceramic/camphene-based co-extrusion. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 4623-4627	6	34
114	Novel strategy for mechanically tunable and bioactive metal implants. <i>Biomaterials</i> , 2015 , 37, 49-61	15.6	46
113	Fabrication of Mechanically Tunable and Bioactive Metal Scaffolds for Biomedical Applications. <i>Journal of Visualized Experiments</i> , 2015 , e53279	1.6	6
112	Production of porous Calcium Phosphate (CaP) ceramics with aligned pores using ceramic/camphene-based co-extrusion. <i>Biomaterials Research</i> , 2015 , 19, 16	16.8	5

111	Novel rapid direct deposition of ceramic paste for porous biphasic calcium phosphate (BCP) scaffolds with tightly controlled 3-D macrochannels. <i>Ceramics International</i> , 2014 , 40, 11079-11084	5.1	16
110	Creation of hierarchical micro/nano-porous TiO ₂ surface layer onto Ti implants for improved biocompatibility. <i>Surface and Coatings Technology</i> , 2014 , 251, 226-231	4.4	26
109	Porous gelatin-siloxane hybrid scaffolds with biomimetic structure and properties for bone tissue regeneration. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2014 , 102, 1528-36	3.5	25
108	Polyetheretherketone/magnesium composite selectively coated with hydroxyapatite for enhanced in vitro bio-corrosion resistance and biocompatibility. <i>Materials Letters</i> , 2014 , 116, 20-22	3.3	33
107	Highly porous gelatin/silica hybrid scaffolds with textured surfaces using new direct foaming/freezing technique. <i>Materials Chemistry and Physics</i> , 2014 , 145, 397-402	4.4	14
106	Production of highly porous titanium (Ti) scaffolds by vacuum-assisted foaming of titanium hydride (TiH ₂) suspension. <i>Materials Letters</i> , 2014 , 120, 228-231	3.3	19
105	Creation of nanoporous TiO ₂ surface onto polyetheretherketone for effective immobilization and delivery of bone morphogenetic protein. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 793-800	5.4	33
104	Three-dimensional Ceramic/Camphene-based Coextrusion for Unidirectionally Macrochanneled Alumina Ceramics with Controlled Porous Walls. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 32-34	3.8	27
103	Highly aligned porous Ti scaffold coated with bone morphogenetic protein-loaded silica/chitosan hybrid for enhanced bone regeneration. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2014 , 102, 913-21	3.5	36
102	Nonsolvent induced phase separation (NIPS)-based 3D plotting for 3-dimensionally macrochanneled poly(ε-caprolactone) scaffolds with highly porous frameworks. <i>Materials Letters</i> , 2014 , 122, 348-351	3.3	8
101	Hydroxyapatite-coated magnesium implants with improved in vitro and in vivo biocorrosion, biocompatibility, and bone response. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 429-435	5.4	67
100	Production, mechanical properties and in vitro biocompatibility of highly aligned porous poly(ε-caprolactone) (PCL)/hydroxyapatite (HA) scaffolds. <i>Journal of Porous Materials</i> , 2013 , 20, 701-708	2.4	17
99	Production and bio-corrosion resistance of porous magnesium with hydroxyapatite coating for biomedical applications. <i>Materials Letters</i> , 2013 , 108, 122-124	3.3	39
98	Synthesis of aligned porous poly(ε-caprolactone) (PCL)/hydroxyapatite (HA) composite microspheres. <i>Materials Science and Engineering C</i> , 2013 , 33, 2266-72	8.3	30
97	Fabrication of porous titanium scaffold with controlled porous structure and net-shape using magnesium as spacer. <i>Materials Science and Engineering C</i> , 2013 , 33, 2808-15	8.3	55
96	Production of highly porous triphasic calcium phosphate scaffolds with excellent in vitro bioactivity using vacuum-assisted foaming of ceramic suspension (VFC) technique. <i>Ceramics International</i> , 2013 , 39, 5879-5885	5.1	30
95	Sol-gel derived nanoscale bioactive glass (NBG) particles reinforced poly(ε-caprolactone) composites for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2013 , 33, 1102-8	8.3	42
94	Bone morphogenic protein-2 (BMP-2) loaded hybrid coating on porous hydroxyapatite scaffolds for bone tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2013 , 24, 773-82	4.5	65

93	Dynamic freeze casting for the production of porous titanium (Ti) scaffolds. <i>Materials Science and Engineering C</i> , 2013 , 33, 59-63	8.3	68
92	Use of a poly(ether imide) coating to improve corrosion resistance and biocompatibility of magnesium (Mg) implant for orthopedic applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2013 , 101, 1708-15	5.4	23
91	Novel Ceramic/Camphene-Based Co-Extrusion for Highly Aligned Porous Alumina Ceramic Tubes. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 1803-1806	3.8	15
90	Porous alumina ceramics with highly aligned pores by heat-treating extruded alumina/camphene body at temperature near its solidification point. <i>Journal of the European Ceramic Society</i> , 2012 , 32, 1029-1034	6.1	24
89	Collagen-silica xerogel nanohybrid membrane for guided bone regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2012 , 100, 841-7	5.4	18
88	Fibrous membrane of nano-hybrid poly-L-lactic acid/silica xerogel for guided bone regeneration. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012 , 100, 321-30	3.5	26
87	Use of Glycerol as a Cryoprotectant in Vacuum-Assisted Foaming of Ceramic Suspension Technique for Improving Compressive Strength of Porous Biphasic Calcium Phosphate Ceramics. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 3360-3362	3.8	11
86	Creation of nanoporous tantalum (Ta)-incorporated titanium (Ti) surface onto Ti implants by sputtering of Ta in Ar under extremely high negative substrate biases. <i>Journal of Materials Chemistry</i> , 2012 , 22, 24798		14
85	Production and evaluation of porous titanium scaffolds with 3-dimensional periodic macrochannels coated with microporous TiO ₂ layer. <i>Materials Chemistry and Physics</i> , 2012 , 135, 897-902	4.4	9
84	Nanofibrous gelatin/silica hybrid scaffolds mimicking the native extracellular matrix (ECM) using thermally induced phase separation. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14133		93
83	Bioactive glass microspheres as reinforcement for improving the mechanical properties and biological performance of poly(ϵ -caprolactone) polymer for bone tissue regeneration. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012 , 100, 967-75	3.5	39
82	Reverse freeze casting: a new method for fabricating highly porous titanium scaffolds with aligned large pores. <i>Acta Biomaterialia</i> , 2012 , 8, 2401-10	10.8	75
81	Synthesis and Bioactivity of Sol-Gel Derived Porous, Bioactive Glass Microspheres Using Chitosan as Novel Biomolecular Template. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 30-33	3.8	26
80	Production of porous calcium phosphate (CaP) ceramics with highly elongated pores using carbon-coated polymeric templates. <i>Ceramics International</i> , 2012 , 38, 93-97	5.1	12
79	Improving the surface hardness of zirconia toughened alumina (ZTA) composites by surface treatment with a boehmite sol. <i>Ceramics International</i> , 2012 , 38, 2889-2892	5.1	14
78	Highly Porous Biphasic Calcium Phosphate (BCP) Ceramics with Large Interconnected Pores by Freezing Vigorously Foamed BCP Suspensions under Reduced Pressure. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 4154-4156	3.8	19
77	Production of porous poly(ϵ -caprolactone)/silica hybrid membranes with patterned surface pores. <i>Materials Letters</i> , 2011 , 65, 1903-1906	3.3	14
76	Hydroxyapatite coating on magnesium with MgF ₂ interlayer for enhanced corrosion resistance and biocompatibility. <i>Journal of Materials Science: Materials in Medicine</i> , 2011 , 22, 2437-47	4.5	70

75	Silica-chitosan hybrid coating on Ti for controlled release of growth factors. <i>Journal of Materials Science: Materials in Medicine</i> , 2011 , 22, 2757-64	4.5	16
74	Effects of acidic catalysts on the microstructure and biological property of sol-gel bioactive glass microspheres. <i>Journal of Sol-Gel Science and Technology</i> , 2011 , 58, 656-663	2.3	22
73	Fabrication and compressive strength of porous hydroxyapatite scaffolds with a functionally graded core/shell structure. <i>Journal of the European Ceramic Society</i> , 2011 , 31, 13-18	6	47
72	Assembling unidirectionally frozen alumina/camphene bodies for aligned porous alumina ceramics with larger dimensions. <i>Journal of the European Ceramic Society</i> , 2011 , 31, 415-419	6	26
71	Production of highly aligned porous alumina ceramics by extruding frozen alumina/camphene body. <i>Journal of the European Ceramic Society</i> , 2011 , 31, 1945-1950	6	19
70	Macroporous Alumina Ceramics with Aligned Microporous Walls by Unidirectionally Freezing Foamed Aqueous Ceramic Suspensions. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 1580	3.8	23
69	Fabrication of porous calcium phosphate cements using gelatin as porogen. <i>Journal of the Ceramic Society of Japan</i> , 2010 , 118, 34-36	1	4
68	A bioactive coating of a silica xerogel/chitosan hybrid on titanium by a room temperature sol-gel process. <i>Acta Biomaterialia</i> , 2010 , 6, 302-7	10.8	79
67	Silica xerogel-chitosan nano-hybrids for use as drug eluting bone replacement. <i>Journal of Materials Science: Materials in Medicine</i> , 2010 , 21, 207-14	4.5	45
66	Direct coating of bioactive sol-gel derived silica on poly(ϵ -caprolactone) nanofibrous scaffold using co-electrospinning. <i>Materials Letters</i> , 2010 , 64, 1539-1542	3.3	13
65	Improving the strength and biocompatibility of porous titanium scaffolds by creating elongated pores coated with a bioactive, nanoporous TiO ₂ layer. <i>Materials Letters</i> , 2010 , 64, 2526-2529	3.3	25
64	Production and characterization of calcium phosphate (CaP) whisker-reinforced poly(ϵ -caprolactone) composites as bone regenerative. <i>Materials Science and Engineering C</i> , 2010 , 30, 1280-1284	8.3	16
63	Nanostructured poly(ϵ -caprolactone)-silica xerogel fibrous membrane for guided bone regeneration. <i>Acta Biomaterialia</i> , 2010 , 6, 3557-65	10.8	97
62	The electron beam deposition of titanium on polyetheretherketone (PEEK) and the resulting enhanced biological properties. <i>Biomaterials</i> , 2010 , 31, 3465-70	15.6	185
61	Improvement of compressive strength of porous hydroxyapatite scaffolds by adding polystyrene to camphene-based slurries. <i>Materials Letters</i> , 2009 , 63, 955-958	3.3	29
60	Synthesis of nanoporous calcium phosphate spheres using poly(acrylic acid) as a structuring unit. <i>Materials Letters</i> , 2009 , 63, 1207-1209	3.3	20
59	Fabrication of highly porous titanium (Ti) scaffolds with two interlaced periodic pores. <i>Materials Letters</i> , 2009 , 63, 1341-1343	3.3	5
58	Fabrication of porous titanium scaffolds with high compressive strength using camphene-based freeze casting. <i>Materials Letters</i> , 2009 , 63, 1502-1504	3.3	55

57	Fabrication of titanium scaffolds with porosity and pore size gradients by sequential freeze casting. <i>Materials Letters</i> , 2009 , 63, 1545-1547	3.3	53
56	Compressive strength and processing of camphene-based freeze cast calcium phosphate scaffolds with aligned pores. <i>Materials Letters</i> , 2009 , 63, 1548-1550	3.3	49
55	Highly porous hydroxyapatite scaffolds with elongated pores using stretched polymeric sponges as novel template. <i>Materials Letters</i> , 2009 , 63, 1702-1704	3.3	55
54	In vitro/in vivo biocompatibility and mechanical properties of bioactive glass nanofiber and poly(epsilon-caprolactone) composite materials. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009 , 91, 213-20	3.5	133
53	Membrane of hybrid chitosan-silica xerogel for guided bone regeneration. <i>Biomaterials</i> , 2009 , 30, 743-50	5.6	212
52	Highly porous titanium (Ti) scaffolds with bioactive microporous hydroxyapatite/TiO ₂ hybrid coating layer. <i>Materials Letters</i> , 2009 , 63, 1995-1998	3.3	44
51	Aligned porous alumina ceramics with high compressive strengths for bone tissue engineering. <i>Scripta Materialia</i> , 2008 , 58, 537-540	5.6	157
50	In-situ fabrication of porous hydroxyapatite (HA) scaffolds with dense shells by freezing HA/camphene slurry. <i>Materials Letters</i> , 2008 , 62, 1700-1703	3.3	30
49	Porous titanium (Ti) scaffolds by freezing TiH ₂ /camphene slurries. <i>Materials Letters</i> , 2008 , 62, 4506-4508	3.3	68
48	Calcium Sulfate Hemihydrate Powders with a Controlled Morphology for Use as Bone Cement. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 2039-2042	3.8	62
47	Piezoelectric Properties of PZT-Based Ceramic with Highly Aligned Pores. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 1912-1915	3.8	50
46	Generation of Large Pore Channels for Bone Tissue Engineering Using Camphene-Based Freeze Casting. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 1744-1752	3.8	99
45	Highly Aligned Porous Silicon Carbide Ceramics by Freezing Polycarbosilane/Camphene Solution. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 1753-1759	3.8	133
44	Porous Hydroxyapatite Scaffolds Coated With Bioactive Apatite/Wollastonite Glass Ceramics. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 2703-2708	3.8	48
43	Fabrication of Porous PZT/PZN Piezoelectric Ceramics With High Hydrostatic Figure of Merits Using Camphene-Based Freeze Casting. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 2807-2813	3.8	71
42	In Situ Synthesis of Porous Silicon Carbide (SiC) Ceramics Decorated with SiC Nanowires. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 070918221104008-???	3.8	11
41	Highly porous hydroxyapatite bioceramics with interconnected pore channels using camphene-based freeze casting. <i>Materials Letters</i> , 2007 , 61, 2270-2273	3.3	111
40	Novel hydroxyapatite (HA) dual-scaffold with ultra-high porosity, high surface area, and compressive strength. <i>Journal of Materials Science: Materials in Medicine</i> , 2007 , 18, 1071-7	4.5	8

39	Novel fabrication of a polymer scaffold with a dense bioactive ceramic coating layer. <i>Journal of Materials Science: Materials in Medicine</i> , 2007 , 18, 1537-42	4.5	3
38	Fabrication of ultrahigh porosity ceramics with biaxial pore channels. <i>Materials Letters</i> , 2006 , 60, 878-882	3.3	10
37	Fabrication of poly(ϵ -caprolactone)/hydroxyapatite scaffold using rapid direct deposition. <i>Materials Letters</i> , 2006 , 60, 1184-1187	3.3	30
36	Improved compressive strength of reticulated porous zirconia using carbon coated polymeric sponge as novel template. <i>Materials Letters</i> , 2006 , 60, 2507-2510	3.3	70
35	Fabrication of a Highly Porous Bioactive Glass/Ceramic Scaffold with a High Surface Area and Strength. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 391-394	3.8	40
34	In situ Fabrication of a Dense/Porous Bi-layered Ceramic Composite using Freeze Casting of a Ceramic/Camphene Slurry. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 763-766	3.8	42
33	Fabrication and Characterization of Thin and Dense Electrolyte-Coated Anode Tube Using Thermoplastic Coextrusion. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 1713-1716	3.8	23
32	Fabrication and Characterization of Dual-Channeled Zirconia Ceramic Scaffold. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 2021-2026	3.8	10
31	Piezoelectric Multilayer Ceramic/Polymer Composite Transducer with 2D Connectivity. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 2509-2513	3.8	9
30	Fabrication of a Porous Bioactive Glass/Ceramic Using Room-Temperature Freeze Casting. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 2649-2653	3.8	46
29	Processing and Performance of Hydroxyapatite/Fluorapatite Double Layer Coating on Zirconia by the Powder Slurry Method. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 2466-2472	3.8	16
28	Freezing Dilute Ceramic/Camphene Slurry for Ultra-High Porosity Ceramics with Completely Interconnected Pore Networks. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 3089-3093	3.8	85
27	Effect of Polystyrene Addition on Freeze Casting of Ceramic/Camphene Slurry for Ultra-High Porosity Ceramics with Aligned Pore Channels. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 3646-3653	3.8	97
26	Hydroxyapatite (HA) bone scaffolds with controlled macrochannel pores. <i>Journal of Materials Science: Materials in Medicine</i> , 2006 , 17, 517-21	4.5	30
25	Macrochanneled poly (ϵ -caprolactone)/ hydroxyapatite scaffold by combination of bi-axial machining and lamination. <i>Journal of Materials Science: Materials in Medicine</i> , 2006 , 17, 773-8	4.5	19
24	Mechanical Properties of Si ₃ N ₄ -SiC Three-Layer Composite Materials. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 2725-2728	3.8	12
23	Sol-Gel Preparation and Properties of Fluoride-Substituted Hydroxyapatite Powders. <i>Journal of the American Ceramic Society</i> , 2005 , 87, 1939-1944	3.8	32
22	Thermoplastic Green Machining for the Fabrication of a Piezoelectric Ceramic/Polymer Composite with 2-2 Connectivity. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 1060-1063	3.8	8

21	Multilayer Actuator Composed of PZNBZT and PZNBZT/Ag Fabricated by Co-Extrusion Process. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 1625-1627	3.8	13
20	Improved Low-Temperature Environmental Degradation of Yttria-Stabilized Tetragonal Zirconia Polycrystals by Surface Encapsulation. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 1456-1458	3.8	16
19	Strengthening and Prevention of Oxidation of Aluminum Nitride by Formation of a Silica Layer on the Surface. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 306-310	3.8	16
18	Effect of Hot-Pressing Temperature on Densification and Mechanical Properties of Titanium Diboride with Silicon Nitride as a Sintering Aid. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 1542-1544	3.8	50
17	Densification and Mechanical Properties of B4C with Al2O3 as a Sintering Aid. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 2863-2865	3.8	123
16	Mechanical Properties of Three-Layered Monolithic Silicon Nitride/Fibrous Silicon Nitride/Boron Nitride Monolith. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 2840-2842	3.8	5
15	Effect of Oxidation on Mechanical Properties of Fibrous Monolith Si3N4/BN at Elevated Temperatures in Air. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 3123-3125	3.8	5
14	Densification and Mechanical Properties of Titanium Diboride with Silicon Nitride as a Sintering Aid. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 3037-3042	3.8	83
13	Calcium phosphates and glass composite coatings on zirconia for enhanced biocompatibility. <i>Biomaterials</i> , 2004 , 25, 4203-13	15.6	74
12	Fabrication and compressive strength of macrochannelled tetragonal zirconia polycrystals with calcium phosphate coating layer. <i>Journal of Materials Research</i> , 2003 , 18, 2009-2012	2.5	7
11	Pressureless Sintering and Mechanical and Biological Properties of Fluor-hydroxyapatite Composites with Zirconia. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 2019-2026	3.8	62
10	Macrochanneled Tetragonal Zirconia Polycrystals Coated by a Calcium Phosphate Layer. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 2027-2030	3.8	9
9	Reaction Sintering and Mechanical Properties of Hydroxyapatite/Zirconia Composites with Calcium Fluoride Additions. <i>Journal of the American Ceramic Society</i> , 2002 , 85, 1634-1636	3.8	35
8	Fabrication of Macrochannelled-Hydroxyapatite Bioceramic by a Coextrusion Process. <i>Journal of the American Ceramic Society</i> , 2002 , 85, 2578-2580	3.8	36
7	Improvement of oxidation resistance of Si3N4 by heat treatment in a wet H2 atmosphere. <i>Journal of Materials Research</i> , 2002 , 17, 2321-2326	2.5	
6	Oxidation Behavior of Titanium Boride at Elevated Temperatures. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 239-241	3.8	83
5	Improvement in oxidation resistance of TiB2 by formation of protective SiO2 layer on surface. <i>Journal of Materials Research</i> , 2001 , 16, 132-137	2.5	16
4	Microstructural evolution and mechanical properties of Si3N4/BiC (nanoparticle)/Si3N4 (whisker) composites. <i>Journal of Materials Research</i> , 2000 , 15, 364-368	2.5	11

3	Oxidation Behavior and Effect of Oxidation on Strength of Si ₃ N ₄ /SiC Nanocomposites. <i>Journal of Materials Research</i> , 2000 , 15, 1478-1482	2.5	13
2	Reaction sintering and mechanical properties of B ₄ C with addition of ZrO ₂ . <i>Journal of Materials Research</i> , 2000 , 15, 2431-2436	2.5	37
1	Microstructural evolution and mechanical properties of gas-pressure-sintered Si ₃ N ₄ with Yb ₂ O ₃ as a sintering aid. <i>Journal of Materials Research</i> , 1999 , 14, 1904-1909	2.5	9