

# Yong Huang

## 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.

144 papers	5,174 citations	37 h-index	68 g-index
151 ext. papers	6,013 ext. citations	4.9 avg, IF	6.15 L-index

#	Paper	IF	Citations
144	Study of sacrificial ink-assisted embedded printing for 3D perfusable channel creation for biomedical applications.. <i>Applied Physics Reviews</i> , <b>2022</b> , 9, 011408	17.3	2
143	The Power of CAD/CAM Laser Bioprinting at the Single-Cell Level: Evolution of Printing <b>2022</b> , 93-121		
142	Effects of Spatial and Temporal Offset during Landing on Mixing Performance in Intersecting-Jets Printing. <i>Additive Manufacturing</i> , <b>2022</b> , 102829	6.1	
141	Drop-on-demand (DOD) inkjet dynamics of printing viscoelastic conductive ink. <i>Additive Manufacturing</i> , <b>2021</b> , 48, 102451	6.1	4
140	Computational study of extrusion bioprinting with jammed gelatin microgel-based composite ink. <i>Additive Manufacturing</i> , <b>2021</b> , 41, 101963	6.1	4
139	Nanoclay Suspension-Enabled Extrusion Bioprinting of Three-Dimensional Soft Structures. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2021</b> , 143,	3.3	3
138	Efficacy of Large Groove Texture on Rat Sciatic Nerve Regeneration In Vivo Using Polyacrylonitrile Nerve Conduits. <i>Annals of Biomedical Engineering</i> , <b>2021</b> , 49, 394-406	4.7	7
137	Improved osseointegration of 3D printed Ti-6Al-4V implant with a hierarchical micro/nano surface topography: An in vitro and in vivo study. <i>Materials Science and Engineering C</i> , <b>2021</b> , 118, 111505	8.3	32
136	Bioprinting on Live Tissue for Investigating Cancer Cell Dynamics. <i>Tissue Engineering - Part A</i> , <b>2021</b> , 27, 438-453	3.9	3
135	Theoretical prediction and experimental validation of the digital light processing (DLP) working curve for photocurable materials. <i>Additive Manufacturing</i> , <b>2021</b> , 37, 101716	6.1	7
134	Translation of laser-based three-dimensional printing technologies. <i>MRS Bulletin</i> , <b>2021</b> , 46, 174-185	3.2	5
133	Effect of bore fluid composition on poly(lactic-co-glycolic acid) hollow fiber membranes fabricated by dry-jet wet spinning. <i>Journal of Membrane Science</i> , <b>2021</b> , 640, 119784	9.6	0
132	Cross-Linkable Microgel Composite Matrix Bath for Embedded Bioprinting of Perfusable Tissue Constructs and Sculpting of Solid Objects. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 7855-7868	9.5	21
131	Injectable Gelatin Microgel-Based Composite Ink for 3D Bioprinting in Air. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 22453-22466	9.5	26
130	Biomedical Manufacturing: A Review of the Emerging Research and Applications. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2020</b> , 142,	3.3	6
129	Liquid-absorbing system-assisted intersecting jets printing of soft structures from reactive biomaterials. <i>Additive Manufacturing</i> , <b>2020</b> , 31, 100934	6.1	7
128	Physical understanding of axonal growth patterns on grooved substrates: groove ridge crossing versus longitudinal alignment. <i>Bio-Design and Manufacturing</i> , <b>2020</b> , 3, 348-360	4.7	8

127	Laser printing-enabled direct creation of cellular heterogeneity in lab-on-a-chip devices. <i>Lab on A Chip</i> , <b>2019</b> , 19, 1644-1656	7.2	14
126	Constitutive modeling of ultra-fine-grained titanium flow stress for machining temperature prediction. <i>Bio-Design and Manufacturing</i> , <b>2019</b> , 2, 153-160	4.7	16
125	Printing of Hydrophobic Materials in Fumed Silica Nanoparticle Suspension. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 29207-29217	9.5	14
124	High-fidelity and high-efficiency additive manufacturing using tunable pre-curing digital light processing. <i>Additive Manufacturing</i> , <b>2019</b> , 30, 100889	6.1	22
123	Phase Diagram of Pinch-off Behaviors During Drop-on-Demand Inkjetting of Alginate Solutions. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2019</b> , 141,	3.3	4
122	Biomedical Manufacturing <b>2019</b> , 511-540		
121	Overview of Manufacturing <b>2019</b> , 1-16		1
120	Porous morphology and mechanical properties of poly(lactide-co-glycolide) hollow fiber membranes governed by ternary-phase inversion. <i>Journal of Membrane Science</i> , <b>2019</b> , 579, 180-189	9.6	11
119	Gellan Fluid Gel as a Versatile Support Bath Material for Fluid Extrusion Bioprinting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 5714-5726	9.5	49
118	3-D printed X-band Yagi-Uda antenna <b>2018</b> ,		2
117	Nanoclay-Based Self-Supporting Responsive Nanocomposite Hydrogels for Printing Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 10461-10470	9.5	55
116	Study of extrudability and standoff distance effect during nanoclay-enabled direct printing. <i>Bio-Design and Manufacturing</i> , <b>2018</b> , 1, 123-134	4.7	27
115	Interfacial bonding during multi-material fused deposition modeling (FDM) process due to inter-molecular diffusion. <i>Materials and Design</i> , <b>2018</b> , 150, 104-112	8.1	103
114	Study of the Shear Strain and Shear Strain Rate Progression During Titanium Machining. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2018</b> , 140,	3.3	12
113	Laser-Induced Forward Transfer of Soft Materials <b>2018</b> , 199-226		
112	Chip Morphology and Chip Formation Mechanisms During Machining of ECAE-Processed Titanium. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2018</b> , 140,	3.3	12
111	Effects of printing-induced interfaces on localized strain within 3D printed hydrogel structures. <i>Materials Science and Engineering C</i> , <b>2018</b> , 89, 65-74	8.3	12
110	Research needs and recommendations on environmental implications of additive manufacturing. <i>Additive Manufacturing</i> , <b>2018</b> , 19, 21-28	6.1	96

109	Deformation Compensation During Buoyancy-Enabled Inkjet Printing of Three-Dimensional Soft Tubular Structures. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2018</b> , 140,	3.3	3
108	Fabrication of Stand-Alone Cell-Laden Collagen Vascular Network Scaffolds Using Fugitive Pattern-Based Printing-Then-Casting Approach. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 28361-28371	9.5	14
107	Additive Manufacturing for Health: State of the Art, Gaps and Needs, and Recommendations. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2018</b> , 140,	3.3	28
106	Inverse determination of Johnson-Cook model constants of ultra-fine-grained titanium based on chip formation model and iterative gradient search. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2018</b> , 99, 1131-1140	3.2	85
105	Morphologically modified surface with hierarchical micro-/nano-structures for enhanced bioactivity of titanium implants. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 12679-12691	4.3	28
104	Evaluation of bioink printability for bioprinting applications. <i>Applied Physics Reviews</i> , <b>2018</b> , 5, 041304	17.3	83
103	Study of Pinch-Off Locations during Drop-on-Demand Inkjet Printing of Viscoelastic Alginate Solutions. <i>Langmuir</i> , <b>2017</b> , 33, 5037-5045	4	23
102	Self-Supporting Nanoclay as Internal Scaffold Material for Direct Printing of Soft Hydrogel Composite Structures in Air. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 17456-17465	9.5	123
101	Effects of living cells on the bioink printability during laser printing. <i>Biomicrofluidics</i> , <b>2017</b> , 11, 034120	3.2	33
100	Functional Nanoclay Suspension for Printing-Then-Solidification of Liquid Materials. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 20057-20066	9.5	83
99	Study of gelatin as an effective energy absorbing layer for laser bioprinting. <i>Biofabrication</i> , <b>2017</b> , 9, 024103	10.5	30
98	In Situ Printing-then-Mixing for Biological Structure Fabrication Using Intersecting Jets. <i>ACS Biomaterials Science and Engineering</i> , <b>2017</b> , 3, 3687-3694	5.5	17
97	Study of Layer Formation During Droplet-Based Three-Dimensional Printing of Gel Structures. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2017</b> , 139,	3.3	2
96	Study of Chip Morphology and Chip Formation Mechanism During Machining of Magnesium-Based Metal Matrix Composites. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2017</b> , 139,	3.3	11
95	Printing-induced cell injury evaluation during laser printing of 3T3 mouse fibroblasts. <i>Biofabrication</i> , <b>2017</b> , 9, 025038	10.5	29
94	Inkjet Bioprinting of 3D Silk Fibroin Cellular Constructs Using Sacrificial Alginate. <i>ACS Biomaterials Science and Engineering</i> , <b>2017</b> , 3, 1519-1526	5.5	92
93	Printability study of hydrogel solution extrusion in nanoclay yield-stress bath during printing-then-gelation biofabrication. <i>Materials Science and Engineering C</i> , <b>2017</b> , 80, 313-325	8.3	70
92	Evaluation of chip morphology during machining of ECAE titanium <b>2016</b> ,		2

91	Granular gel support-enabled extrusion of three-dimensional alginate and cellular structures. <i>Biofabrication</i> , <b>2016</b> , 8, 025016	10.5	81
90	Study of Impingement Types and Printing Quality during Laser Printing of Viscoelastic Alginate Solutions. <i>Langmuir</i> , <b>2016</b> , 32, 3004-14	4	37
89	Characterization of particulate matters and total VOC emissions from a binder jetting 3D printer. <i>Building and Environment</i> , <b>2015</b> , 93, 293-301	6.5	86
88	Additive Manufacturing: Current State, Future Potential, Gaps and Needs, and Recommendations. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2015</b> , 137,	3.3	472
87	Time-Resolved Imaging Study of Jetting Dynamics during Laser Printing of Viscoelastic Alginate Solutions. <i>Langmuir</i> , <b>2015</b> , 31, 6447-56	4	57
86	Freeform inkjet printing of cellular structures with bifurcations. <i>Biotechnology and Bioengineering</i> , <b>2015</b> , 112, 1047-55	4.9	215
85	Study of grain size variation and saw-tooth spacing during machining of additively manufactured titanium alloy. <i>MRS Communications</i> , <b>2015</b> , 5, 341-346	2.7	6
84	Identification of optimal printing conditions for laser printing of alginate tubular constructs. <i>Journal of Manufacturing Processes</i> , <b>2015</b> , 20, 450-455	5	24
83	Bubble Formation Modeling During Laser Direct Writing of Glycerol Solutions. <i>Journal of Micro and Nano-Manufacturing</i> , <b>2015</b> , 3,	1.3	13
82	Freeform drop-on-demand laser printing of 3D alginate and cellular constructs. <i>Biofabrication</i> , <b>2015</b> , 7, 045011	10.5	111
81	Alginate gelation-induced cell death during laser-assisted cell printing. <i>Biofabrication</i> , <b>2014</b> , 6, 035022	10.5	76
80	Study of droplet formation process during drop-on-demand inkjetting of living cell-laden bioink. <i>Langmuir</i> , <b>2014</b> , 30, 9130-8	4	117
79	Freeform Vertical and Horizontal Fabrication of Alginate-Based Vascular-Like Tubular Constructs Using Inkjetting. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2014</b> , 136,	3.3	37
78	Electric field-assisted droplet formation using piezoactuation-based drop-on-demand inkjet printing. <i>Journal of Micromechanics and Microengineering</i> , <b>2014</b> , 24, 115011	2	13
77	Laser-assisted printing of alginate long tubes and annular constructs. <i>Biofabrication</i> , <b>2013</b> , 5, 015002	10.5	80
76	Predictive compensation-enabled horizontal inkjet printing of alginate tubular constructs. <i>Manufacturing Letters</i> , <b>2013</b> , 1, 28-32	4.5	33
75	Cell and organ printing turns 15: Diverse research to commercial transitions. <i>MRS Bulletin</i> , <b>2013</b> , 38, 834-843	3.43	73
74	Experimental investigation of aligned groove formation on the inner surface of polyacrylonitrile hollow fiber membrane. <i>Journal of Membrane Science</i> , <b>2012</b> , 394-395, 57-68	9.6	24

73	Alginate Microsphere Fabrication Using Bipolar Wave-Based Drop-on-Demand Jetting. <i>Journal of Manufacturing Processes</i> , <b>2012</b> , 14, 98-106	5	28
72	Pore structure control of Si <sub>3</sub> N <sub>4</sub> ceramics based on particle-stabilized foams. <i>Journal of Porous Materials</i> , <b>2012</b> , 19, 883-888	2.4	14
71	Performance evaluation of bipolar and tripolar excitations during nozzle-jetting-based alginate microsphere fabrication. <i>Journal of Micromechanics and Microengineering</i> , <b>2012</b> , 22, 085025	2	14
70	Study of path loss and data transmission error of IEEE 802.15.4 compliant wireless sensors in small-scale manufacturing environments. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2012</b> , 63, 659-669	3.2	12
69	Scaffold-free inkjet printing of three-dimensional zigzag cellular tubes. <i>Biotechnology and Bioengineering</i> , <b>2012</b> , 109, 3152-60	4.9	246
68	Preparation of Si <sub>3</sub> N <sub>4</sub> Foam Ceramics with Nest-Like Cell Structure by Particle-Stabilized Foams. <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 1229-1233	3.8	35
67	Oxidation Behavior of SiC Platelet-Reinforced ZrB <sub>2</sub> Ceramic Matrix Composites. <i>International Journal of Applied Ceramic Technology</i> , <b>2012</b> , 9, 178-185	2	9
66	Investigation of the Effect of Moving Forklift on Data Transmission of IEEE 802.15.4 Wireless Sensor Radio. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2012</b> , 134,	3.3	1
65	Effects of fluid properties and laser fluence on jet formation during laser direct writing of glycerol solution. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 083105	2.5	27
64	Preparation and Properties of Porous Alumina with Highly Ordered and Unidirectional Oriented Pores by a Self-Organization Process. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 1978-1981	3.8	13
63	Porous yttria-stabilized zirconia ceramics with ultra-low thermal conductivity. Part II: temperature dependence of thermophysical properties. <i>Journal of Materials Science</i> , <b>2011</b> , 46, 623-628	4.3	23
62	Laser-assisted fabrication of highly viscous alginate microsphere. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 083107	2.5	14
61	Effects of porosity on dielectric and piezoelectric properties of porous lead zirconate titanate ceramics. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 152904	3.4	21
60	Groove Formation Modeling in Fabricating Hollow Fiber Membrane for Nerve Regeneration. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>2011</b> , 78,	2.7	7
59	Metallic foil-assisted laser cell printing. <i>Journal of Biomechanical Engineering</i> , <b>2011</b> , 133, 025001	2.1	25
58	Study of Machining-Induced Microstructure Variations of Nanostructured/Ultrafine-Grained Copper Using XRD. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , <b>2011</b> , 133,	1.8	6
57	Investigation of Inner Surface Groove Formation Under Radially Inward Pressure During Immersion Precipitation-Based Hollow Fiber Membrane Fabrication. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2011</b> , 133,	3.3	4
56	Modeling of Thermoelastic Stress Wave in Laser-Assisted Cell Direct Writing. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2011</b> , 133,	3.3	8

55	Study of Process-Induced Cell Membrane Stability in Cell Direct Writing. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2011</b> , 133,	3.3	5
54	Porous PZT Ceramics with High Hydrostatic Figure of Merit and Low Acoustic Impedance by TBA-Based Gel-Casting Process. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 1427	3.8	36
53	Microstructure and Electrical Properties of Porous PZT Ceramics Fabricated by Different Methods. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 1984	3.8	30
52	Electrochemical synthesis and properties of layer-structured polypyrrole/montmorillonite nanocomposite films. <i>Journal of Materials Research</i> , <b>2010</b> , 25, 658-664	2.5	3
51	Parametric Study of Acoustic Excitation-Based Glycerol-Water Microsphere Fabrication in Single Nozzle Jetting. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2010</b> , 132,	3.3	14
50	Effect of laser fluence in laser-assisted direct writing of human colon cancer cell. <i>Rapid Prototyping Journal</i> , <b>2010</b> , 16, 202-208	3.8	47
49	COMBINED EFFECTS OF FLANK AND CRATER WEAR ON CUTTING FORCE MODELING IN ORTHOGONAL MACHININGPART II: BAYESIAN APPROACH-BASED MODEL VALIDATION. <i>Machining Science and Technology</i> , <b>2010</b> , 14, 24-42	2	6
48	COMBINED EFFECTS OF FLANK AND CRATER WEAR ON CUTTING FORCE MODELING IN ORTHOGONAL MACHININGPART I: MODEL DEVELOPMENT. <i>Machining Science and Technology</i> , <b>2010</b> , 14, 1-23	2	6
47	Laser-based direct-write techniques for cell printing. <i>Biofabrication</i> , <b>2010</b> , 2, 032001	10.5	223
46	Porous yttria-stabilized zirconia ceramics with ultra-low thermal conductivity. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 3242-3246	4.3	81
45	Droplet formation in matrix-assisted pulsed-laser evaporation direct writing of glycerol-water solution. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 093111	2.5	48
44	Effect of laser fluence on yeast cell viability in laser-assisted cell transfer. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 043106	2.5	34
43	Modeling of Bubble Expansion-Induced Cell Mechanical Profile in Laser-Assisted Cell Direct Writing. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2009</b> , 131,	3.3	41
42	Preparation and characterization of polymer-clay nanocomposite films. <i>Science in China Series B: Chemistry</i> , <b>2009</b> , 52, 2323-2328		2
41	Kinetics mechanism of microwave sintering in ceramic materials. <i>Science in China Series D: Earth Sciences</i> , <b>2009</b> , 52, 2727-2731		21
40	Formation of Highly Aligned Grooves on Inner Surface of Semipermeable Hollow Fiber Membrane for Directional Axonal Outgrowth. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2008</b> , 130,	3.3	15
39	Study of Impact-Induced Mechanical Effects in Cell Direct Writing Using Smooth Particle Hydrodynamic Method. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2008</b> , 130,	3.3	65
38	Fabrication of Dispersed Permalloy Nanoparticles by Pulsed Laser Ablation in Aqua. <i>Materials Research Society Symposia Proceedings</i> , <b>2008</b> , 1118, 8		



37	Design of neural network-based estimator for tool wear modeling in hard turning. <i>Journal of Intelligent Manufacturing</i> , <b>2008</b> , 19, 383-396	6.7	59
36	Tribological Investigation of the Polymer-Based Lubrication System Using a Laboratory Reciprocating Bench Test. <i>Tribology Transactions</i> , <b>2007</b> , 50, 458-465	1.8	1
35	Ceramics With Ultra-Low Density Fabricated by Gelcasting: An Unconventional View. <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 90, 3424-3429	3.8	70
34	Ceramics with Special Porous Structures Fabricated by Freeze-Gelcasting: Using tert-Butyl Alcohol as a Template. <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 90, 3478-3484	3.8	148
33	CBN tool wear in hard turning: a survey on research progresses. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2007</b> , 35, 443-453	3.2	129
32	Modeling of Cutting Forces Under Hard Turning Conditions Considering Tool Wear Effect. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2005</b> , 127, 262-270	3.3	65
31	Quantitative phase analysis in the TiAlN ternary system by X-ray diffraction. <i>Powder Diffraction</i> , <b>2005</b> , 20, 218-223	1.8	46
30	CUTTING TEMPERATURE MODELING BASED ON NON-UNIFORM HEAT INTENSITY AND PARTITION RATIO. <i>Machining Science and Technology</i> , <b>2005</b> , 9, 301-323	2	44
29	Modeling of CBN Tool Flank Wear Progression in Finish Hard Turning. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2004</b> , 126, 98-106	3.3	103
28	In Situ Synthesis of Yttria-Stabilized Tetragonal Zirconia Polycrystal Powder Containing Dispersed Titanium Carbide by Selective Carbonization. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 82, 1611-1613	3.8	5
27	Toughening by Multiple Mechanisms in Ceramic-Matrix Composites with Discontinuous Elongated Reinforcements. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 83, 2006-2016	3.8	13
26	Complex Impedance Analysis on the Orientation Effect of Whiskers in Oriented Silicon Carbide Whisker/Silicon Nitride Composites. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 83, 2689-2692	3.8	6
25	Effect of Acid Cleaning and Calcination on Rheological Properties of Concentrated Aqueous Suspensions of Silicon Nitride Powder. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 85, 293-298	3.8	18
24	Modelling of CBN tool crater wear in finish hard turning. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2004</b> , 24, 632-639	3.2	29
23	Elimination of Surface Spallation of Alumina Green Bodies Prepared by Acrylamide-Based Gelcasting via Poly(vinylpyrrolidone). <i>Journal of the American Ceramic Society</i> , <b>2003</b> , 86, 266-272	3.8	21
22	Control of Composition and Structure in Laminated Silicon Nitride/Boron Nitride Composites. <i>Journal of the American Ceramic Society</i> , <b>2002</b> , 85, 2457-2461	3.8	50
21	Rheological behavior of alumina aqueous suspension in acrylamide/polyacrylamide systems. <i>Journal of Materials Science Letters</i> , <b>2002</b> , 21, 1163-1165		5
20	Preparation and electric properties of dense Lead Nickel Niobate/Lead Titanate (Pb(Ni <sub>1/3</sub> Nb <sub>2/3</sub> ) <sub>1-x</sub> BbTiO <sub>3</sub> ) ceramics by spark plasma sintering. <i>Journal of Materials Science Letters</i> , <b>2002</b> , 21, 1785-1787		5



19	The effect of deionization on concentrated suspension of silicon nitride. <i>Journal of Materials Science Letters</i> , <b>2001</b> , 20, 1537-1540		2
18	Mechanical properties of Si <sub>3</sub> N <sub>4</sub> /BN fibrous monolithic ceramics at elevated-temperature. <i>Journal of Materials Science</i> , <b>2001</b> , 36, 4103-4106	4.3	2
17	Improving the breakdown strength of rutile capacitor by gelcasting. <i>Journal of Materials Science Letters</i> , <b>2001</b> , 20, 1285-1288		9
16	A new gel casting of ceramics by reaction of sodium alginate and calcium iodate at increased temperatures. <i>Journal of Materials Science Letters</i> , <b>2001</b> , 20, 1255-1257		29
15	Fabrication of high toughness alumina with elongated grains. <i>Journal of Materials Science Letters</i> , <b>2001</b> , 20, 1425-1427		4
14	Improved Resistance to Damage of Silicon Carbide-Whisker-Reinforced Silicon Nitride-Matrix Composites by Whisker-Oriented Alignment. <i>Journal of the American Ceramic Society</i> , <b>2001</b> , 84, 161-164	3.8	15
13	Water-Based Gelcasting of Surface-Coated Silicon Nitride Powder. <i>Journal of the American Ceramic Society</i> , <b>2001</b> , 84, 701-707	3.8	32
12	Characterization of lead-based relaxor ferroelectric ceramics sintered in a 2.45 GHz microwave radiation. <i>Journal of Materials Science</i> , <b>2000</b> , 35, 203-207	4.3	11
11	Surface oxidation to improve water-based gelcasting of silicon nitride. <i>Journal of Materials Science</i> , <b>2000</b> , 35, 3519-3524	4.3	31
10	Microstructure and strength modification of relaxor ferroelectric ceramics through microwave sintering for multilayer capacitors. <i>Science in China Series D: Earth Sciences</i> , <b>1999</b> , 42, 337-341		2
9	Coating of Silicon Nitride and its Colloidal Behavior. <i>Journal of Materials Science Letters</i> , <b>1998</b> , 17, 1239-1241		10
8	Joining of Molten Salt Reaction Titanium-metallized Si <sub>3</sub> N <sub>4</sub> to Si <sub>3</sub> N <sub>4</sub> . <i>Journal of Materials Science Letters</i> , <b>1998</b> , 17, 2113-2115		2
7	Accelerated sintering and phase transformation of TiO <sub>2</sub> in microwave radiation. <i>Journal of Materials Research</i> , <b>1998</b> , 13, 3417-3422	2.5	18
6	Metallization of Si <sub>3</sub> N <sub>4</sub> surface by molten salt reaction. <i>Journal of Materials Science Letters</i> , <b>1997</b> , 16, 745-746		
5	Microwave sintering behaviour of ZrO <sub>2</sub> -Y <sub>2</sub> O <sub>3</sub> with agglomerate. <i>Journal of Materials Science Letters</i> , <b>1996</b> , 15, 1158-1160		10
4	Reply to "Comment on Electrophoretic Deposition Forming of SiC-TZP Composites in a Nonaqueous Sol Media" <i>Journal of the American Ceramic Society</i> , <b>1995</b> , 78, 3167-3168	3.8	6
3	Electrophoretic Deposition Forming of SiC-TZP Composites in a Nonaqueous Sol Media. <i>Journal of the American Ceramic Society</i> , <b>1994</b> , 77, 1946-1949	3.8	91
2	Mechanical Properties of Silicon Carbide Whisker-Reinforced Silicon Nitride Matrix Composites. <i>Materials Research Society Symposia Proceedings</i> , <b>1992</b> , 287, 493		

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