

Rishi Raj

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1704326/publications.pdf>

Version: 2024-02-01

427
papers

22,661
citations

6613

79
h-index

12272

133
g-index

442
all docs

442
docs citations

442
times ranked

10144
citing authors

#	ARTICLE	IF	CITATIONS
1	On grain boundary sliding and diffusional creep. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1971, 2, 1113-1127.	1.4	1,100
2	Flash Sintering of Nanograin Zirconia in 5 s at 850°C . Journal of the American Ceramic Society, 2010, 93, 3556-3559.	3.8	824
3	Intergranular fracture at elevated temperature. Acta Metallurgica, 1975, 23, 653-666.	2.1	771
4	Joule heating during flash-sintering. Journal of the European Ceramic Society, 2012, 32, 2293-2301.	5.7	419
5	Wettability of Graphene. Nano Letters, 2013, 13, 1509-1515.	9.1	400
6	Measurement of the ultimate shear strength of a metal-ceramic interface. Acta Metallurgica, 1989, 37, 1265-1270.	2.1	348
7	The effect of particle size on the thermal conductivity of ZnS/diamond composites. Acta Metallurgica Et Materialia, 1992, 40, 123-129.	1.8	348
8	Development of a Processing Map for Use in Warm-Forming and Hot-Forming Processes. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1981, 12, 1089-1097.	1.4	333
9	Field assisted and flash sintering of alumina and its relationship to conductivity and MgO-doping. Journal of the European Ceramic Society, 2011, 31, 2827-2837.	5.7	310
10	Creep in polycrystalline aggregates by matter transport through a liquid phase. Journal of Geophysical Research, 1982, 87, 4731-4739.	3.3	300
11	Estimate of the Activation Energies for Boundary Diffusion from Rate-Controlled Sintering of Pure Alumina, and Alumina Doped with Zirconia or Titania. Journal of the American Ceramic Society, 1990, 73, 1172-1175.	3.8	289
12	Solution-precipitation creep in glass ceramics. Acta Metallurgica, 1981, 29, 159-166.	2.1	279
13	Influence of Externally Imposed and Internally Generated Electrical Fields on Grain Growth, Diffusional Creep, Sintering and Related Phenomena in Ceramics. Journal of the American Ceramic Society, 2011, 94, 1941-1965.	3.8	267
14	Nucleation of cavities at second phase particles in grain boundaries. Acta Metallurgica, 1978, 26, 995-1006.	2.1	240
15	Mapping sp ² and sp ³ states of carbon at sub-nanometre spatial resolution. Nature, 1993, 366, 725-727.	27.8	235
16	Amorphous Silicoboron Carbonitride Ceramic with Very High Viscosity at Temperatures above 1500°C . Journal of the American Ceramic Society, 1998, 81, 3341-3344.	3.8	234
17	Fundamental Research in Structural Ceramics for Service Near 2000°C . Journal of the American Ceramic Society, 1993, 76, 2147-2174.	3.8	222
18	Flash Sintering of Cubic Yttria-Stabilized Zirconia at 750°C for Possible Use in SOFC Manufacturing. Journal of the American Ceramic Society, 2011, 94, 316-319.	3.8	218

#	ARTICLE	IF	CITATIONS
19	Sintering Behavior of Ceramic Films Constrained by a Rigid Substrate. Journal of the American Ceramic Society, 1985, 68, 287-292.	3.8	216
20	Sintering behavior of bi-modal powder compacts. Acta Metallurgica, 1984, 32, 1003-1019.	2.1	206
21	Influence of the Field and the Current Limit on Flash Sintering at Isothermal Furnace Temperatures. Journal of the American Ceramic Society, 2013, 96, 2754-2758.	3.8	203
22	Flash-sintering of Co ₂ MnO ₄ spinel for solid oxide fuel cell applications. Journal of Power Sources, 2011, 196, 2061-2065.	7.8	181
23	Fabrication of SiCN MEMS by photopolymerization of pre-ceramic polymer. Sensors and Actuators A: Physical, 2002, 95, 120-134.	4.1	172
24	A picoscale catalyst for hydrogen generation from NaBH ₄ for fuel cells. Journal of Power Sources, 2007, 165, 315-323.	7.8	167
25	Newtonian Viscosity of Amorphous Silicon Carbonitride at High Temperature. Journal of the American Ceramic Society, 1998, 81, 1349-1352.	3.8	162
26	Shear Deformation and Densification of Powder Compacts. Journal of the American Ceramic Society, 1986, 69, 499-506.	3.8	161
27	Current limit diagrams for dendrite formation in solid-state electrolytes for Li-ion batteries. Journal of Power Sources, 2017, 343, 119-126.	7.8	161
28	Densification behaviour and microstructural development in undoped yttria prepared by flash-sintering. Journal of the European Ceramic Society, 2014, 34, 991-1000.	5.7	159
29	Activation Energy for the Sintering of Two-Phase Alumina/Zirconia Ceramics. Journal of the American Ceramic Society, 1991, 74, 1959-1963.	3.8	154
30	The Effect of Electric Field on Sintering and Electrical Conductivity of Titania. Journal of the American Ceramic Society, 2014, 97, 527-534.	3.8	151
31	Mechanism of Superplastic Flow in a Fine-Grained Ceramic Containing Some Liquid Phase. Journal of the American Ceramic Society, 1984, 67, 399-409.	3.8	150
32	Analysis of the Power Density at the Onset of Flash Sintering. Journal of the American Ceramic Society, 2016, 99, 3226-3232.	3.8	150
33	A Huge Effect of Weak dc Electrical Fields on Grain Growth in Zirconia. Journal of the American Ceramic Society, 2009, 92, 1856-1859.	3.8	149
34	Defect Structure of Flash-Sintered Strontium Titanate. Journal of the American Ceramic Society, 2012, 95, 2531-2536.	3.8	148
35	Creep fracture in ceramics containing small amounts of a liquid phase. Acta Metallurgica, 1982, 30, 1043-1058.	2.1	146
36	Crystallization Maps for SiCO Amorphous Ceramics. Journal of the American Ceramic Society, 2007, 90, 578-583.	3.8	144

#	ARTICLE	IF	CITATIONS
37	Flash sintering as a nucleation phenomenon and a model thereof. Journal of the European Ceramic Society, 2014, 34, 4063-4067.	5.7	144
38	Fabrication of SiCN ceramic MEMS using injectable polymer-precursor technique. Sensors and Actuators A: Physical, 2001, 89, 64-70.	4.1	143
39	Enhanced Sintering Rate of Zirconia (3Y ZrO_2) Through the Effect of a Weak dc Electric Field on Grain Growth. Journal of the American Ceramic Society, 2010, 93, 2935-2937.	3.8	135
40	Field-assisted sintering of undoped BaTiO ₃ : Microstructure evolution and dielectric permittivity. Journal of the European Ceramic Society, 2014, 34, 3655-3660.	5.7	131
41	Non-wetting droplets on hot superhydrophilic surfaces. Nature Communications, 2013, 4, 2518.	12.8	129
42	A Model for the Nanodomains in Polymer-Derived SiCO. Journal of the American Ceramic Society, 2006, 89, 060428035142017-???	3.8	128
43	Unified Model for Contact Angle Hysteresis on Heterogeneous and Superhydrophobic Surfaces. Langmuir, 2012, 28, 15777-15788.	3.5	127
44	Mechanical properties of a fully dense polymer derived ceramic made by a novel pressure casting process. Acta Materialia, 2002, 50, 4093-4103.	7.9	123
45	Grain-Growth Transition During Sintering of Colloidally Prepared Alumina Powder Compacts. Journal of the American Ceramic Society, 1988, 71, 1031-1035.	3.8	120
46	BaSi ₂ and thin film alkaline earth silicides on silicon. Applied Physics Letters, 1993, 63, 2818-2820.	3.3	119
47	Thermodynamically Stable Si _x O _y C _z Polymer-Like Amorphous Ceramics. Journal of the American Ceramic Society, 2007, 90, 3213-3219.	3.8	117
48	Design of micropillar wicks for thin-film evaporation. International Journal of Heat and Mass Transfer, 2016, 101, 280-294.	4.8	116
49	Flaw Generation During Constrained Sintering of Metal-Ceramic and Metal-Glass Multilayer Films. Journal of the American Ceramic Society, 1989, 72, 1649-1655.	3.8	113
50	Measurement of viscosity of the grain-boundary phase in hot-pressed silicon nitride. Journal of Materials Science, 1976, 11, 49-53.	3.7	112
51	Electroluminescence and the measurement of temperature during Stage III of flash sintering experiments. Journal of the European Ceramic Society, 2015, 35, 3195-3199.	5.7	112
52	Transient behavior of diffusion-induced creep and creep rupture. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1975, 6, 1499-1509.	1.4	111
53	Grain size distribution effects in superplasticity. Acta Metallurgica, 1981, 29, 607-616.	2.1	110
54	Sintering of TiO ₂ -Al ₂ O ₃ Composites: A Model Experimental Investigation. Journal of the American Ceramic Society, 1988, 71, 302-310.	3.8	109

#	ARTICLE	IF	CITATIONS
55	Particle size effects in flash sintering. Journal of the European Ceramic Society, 2012, 32, 3129-3136.	5.7	109
56	Crystallization of small quantities of glass (or a liquid) segregated in grain boundaries. Acta Metallurgica, 1981, 29, 1993-2000.	2.1	108
57	Cyclic stability and C-rate performance of amorphous silicon and carbon based anodes for electrochemical storage of lithium. Journal of Power Sources, 2011, 196, 2179-2186.	7.8	107
58	Superplastic Flow in Fine-Grained Alumina. Journal of the American Ceramic Society, 1986, 69, 135-138.	3.8	103
59	Overview no. 100 Scalings in fracture probabilities for a brittle matrix fiber composite. Acta Metallurgica Et Materialia, 1992, 40, 2813-2828.	1.8	103
60	Use of the internal friction technique to measure rates of grain boundary sliding. Acta Metallurgica, 1974, 22, 1469-1474.	2.1	96
61	Oxidation Kinetics of an Amorphous Silicon Carbonitride Ceramic. Journal of the American Ceramic Society, 2001, 84, 1803-1810.	3.8	96
62	Flash Sintering of Nanograin Zirconia: Field Assisted Sintering and Superplasticity. Journal of the American Ceramic Society, 2012, 95, 138-146.	3.8	95
63	Diffusional relaxation of stress concentration at second phase particles. Acta Metallurgica, 1978, 26, 1551-1558.	2.1	93
64	MgO epitaxial thin films on (100) GaAs as a substrate for the growth of oriented PbTiO ₃ . Applied Physics Letters, 1992, 60, 3105-3107.	3.3	93
65	Emergence and Extinction of a New Phase During On-Off Experiments Related to Flash Sintering of 3Y-SZ. Journal of the American Ceramic Society, 2015, 98, 1493-1497.	3.8	91
66	Fracture at elevated temperature. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1977, 8, 1917-1933.	1.4	90
67	Pyrolysis Kinetics for the Conversion of a Polymer into an Amorphous Silicon Oxycarbide Ceramic. Journal of the American Ceramic Society, 2002, 85, 2181-2187.	3.8	90
68	Segregation of Mg to the (0001) Surface of Doped Sapphire. Journal of the American Ceramic Society, 1985, 68, 281-286.	3.8	88
69	Separation of Cavitation-Strain and Creep-Strain During Deformation. Journal of the American Ceramic Society, 1982, 65, C-46-C-46.	3.8	86
70	Preparation of Ultrathin-Walled Carbon-Based Nanoporous Structures by Etching Pseudo-Amorphous Silicon Oxycarbide Ceramics. Journal of the American Ceramic Society, 2006, 89, 2473-2480.	3.8	85
71	Field assisted sintering of ceramic constituted by alumina and yttria stabilized zirconia. Journal of the European Ceramic Society, 2014, 34, 2435-2442.	5.7	85
72	High-resolution liquid patterns via three-dimensional droplet shape control. Nature Communications, 2014, 5, 4975.	12.8	85

#	ARTICLE	IF	CITATIONS
73	Morphology and Stability of the Glass Phase in Glass Ceramic Systems. Journal of the American Ceramic Society, 1981, 64, 245-248.	3.8	84
74	Impedance Spectroscopy and Dielectric Properties of Flash Versus Conventionally Sintered Yttria-Doped Zirconia Electroceramics Viewed at the Microstructural Level. Journal of the American Ceramic Society, 2013, 96, 3760-3767.	3.8	84
75	Intergranular fracture in bicrystals. Acta Metallurgica, 1978, 26, 341-349.	2.1	83
76	Phase-pure BiFeO ₃ produced by reaction flash-sintering of Bi ₂ O ₃ and Fe ₂ O ₃ . Journal of Materials Chemistry A, 2018, 6, 5356-5366.	10.3	83
77	The Role of Grain-Boundary Sliding in Fracture of Hot-Pressed Si ₃ N ₄ at High Temperatures. Journal of the American Ceramic Society, 1980, 63, 513-517.	3.8	82
78	Thermodynamic measurements pertaining to the hysteretic intercalation of lithium in polymer-derived silicon oxycarbide. Journal of Power Sources, 2010, 195, 3900-3906.	7.8	82
79	Ultrahigh-Temperature Semiconductors Made from Polymer-Derived Ceramics. Journal of the American Ceramic Society, 2010, 93, 1668-1676.	3.8	82
80	Influence of hydrostatic pressure and multiaxial straining on cavitation in a superplastic aluminum alloy. Acta Metallurgica, 1982, 30, 2043-2053.	2.1	81
81	Characterization of Nanodomains in Polymer-Derived SiCN Ceramics Employing Multiple Techniques. Journal of the American Ceramic Society, 2005, 88, 232-234.	3.8	81
82	Analysis of the Sintering Pressure. Journal of the American Ceramic Society, 1987, 70, C-210-C-211.	3.8	79
83	Influence of microstructural scale on plastic flow behavior of metal matrix composites. Acta Materialia, 1997, 45, 1633-1643.	7.9	76
84	In-situ measurements of lattice expansion related to defect generation during flash sintering. Journal of the American Ceramic Society, 2017, 100, 4965-4970.	3.8	76
85	Solution precursor chemical vapor deposition of titanium oxide thin films. Thin Solid Films, 1991, 204, L13-L17.	1.8	74
86	Beyond flash sintering in 3 mol % yttria stabilized zirconia. Journal of the Ceramic Society of Japan, 2016, 124, 283-288.	1.1	74
87	Packing and Sintering of Two-Dimensional Structures Made from Bimodal Particle Size Distributions. Journal of the American Ceramic Society, 1987, 70, 843-849.	3.8	73
88	Control of the mechanical properties of metal-ceramic interfaces through interfacial reactions. Acta Metallurgica Et Materialia, 1990, 38, 2215-2224.	1.8	73
89	The role of carbon in unexpected visco(an)elastic behavior of amorphous silicon oxycarbide above 1273K. Journal of Non-Crystalline Solids, 2005, 351, 2238-2243.	3.1	73
90	Reactive flash sintering of the entropy-stabilized oxide Mg _{0.2} Ni _{0.2} Co _{0.2} Cu _{0.2} Zn _{0.2} O. Scripta Materialia, 2020, 181, 48-52.	5.2	72

#	ARTICLE	IF	CITATIONS
91	Copper on sapphire: Stability of thin films at 0.7 Tm. Acta Metallurgica, 1989, 37, 2947-2952.	2.1	71
92	Introduction to the Special Topical Issue on Ultrahigh-Temperature Polymer-Derived Ceramics. Journal of the American Ceramic Society, 2001, 84, 2158-2159.	3.8	71
93	A First Report of Photoemission in Experiments Related to Flash Sintering. Journal of the American Ceramic Society, 2014, 97, 2427-2430.	3.8	71
94	Processing and characterization of silicon carbon-nitride ceramics: application of electrical properties towards MEMS thermal actuators. Sensors and Actuators A: Physical, 2003, 103, 171-181.	4.1	70
95	Giant piezoresistivity of polymer-derived ceramics at high temperatures. Journal of the European Ceramic Society, 2010, 30, 2203-2207.	5.7	70
96	Lithium Insertion in Polymer-Derived Silicon Oxycarbide Ceramics. Journal of the American Ceramic Society, 2010, 93, 1127-1135.	3.8	70
97	Domain structure and phase transitions in epitaxial KNbO ₃ thin films studied by in situ second harmonic generation measurements. Applied Physics Letters, 1996, 68, 1323-1325.	3.3	67
98	Correction to: Intergranular fracture at elevated temperature. Scripta Metallurgica, 1977, 11, 839-842.	1.2	66
99	Application of microforging to SiCN MEMS fabrication. Sensors and Actuators A: Physical, 2002, 95, 143-151.	4.1	66
100	Micromechanical modelling of creep using distributed parameters. Acta Metallurgica, 1981, 29, 283-292.	2.1	64
101	Shear and Densification of Glass Powder Compacts. Journal of the American Ceramic Society, 1989, 72, 798-804.	3.8	64
102	Ultimate shear strengths of copper-silica and nickel-silica interfaces. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1990, 126, 125-131.	5.6	64
103	Contact line behavior for a highly wetting fluid under superheated conditions. International Journal of Heat and Mass Transfer, 2012, 55, 2664-2675.	4.8	64
104	Phase transformation in the alumina-titania system during flash sintering experiments. Journal of the European Ceramic Society, 2016, 36, 733-739.	5.7	64
105	Hold-time effects in high temperature fatigue. Acta Metallurgica, 1978, 26, 1007-1022.	2.1	62
106	Passive Oxidation of an Effluent System: The Case of Polymer-Derived SiCO. Journal of the American Ceramic Society, 2005, 88, 339-345.	3.8	59
107	Time evolution of stress redistribution around multiple fiber breaks in a composite with viscous and viscoelastic matrices. International Journal of Solids and Structures, 1998, 35, 3177-3211.	2.7	58
108	Flash sintering of highly insulating nanostructured phase-pure BiFeO ₃ . Journal of the American Ceramic Society, 2017, 100, 3365-3369.	3.8	58

#	ARTICLE	IF	CITATIONS
109	Surfactants for Bubble Removal against Buoyancy. Scientific Reports, 2016, 6, 19113.	3.3	57
110	Grain boundary sliding, and the effects of particles on its rate. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1972, 3, 1937-1942.	2.1	56
111	Superplastic Deformation in Fine-Grained MgO 2Al ₂ O ₃ Spinel. Journal of the American Ceramic Society, 1985, 68, 522-529.	3.8	56
112	Sinter-Forging Characteristics of fine-Grained Zirconia. Journal of the American Ceramic Society, 1988, 71, C-507-C-509.	3.8	56
113	Enhancement of Strength through Sinter Forging. Journal of the American Ceramic Society, 1987, 70, 514-520.	3.8	55
114	Analysis of Solidification of a Semitransparent Planar Layer Using the Lattice Boltzmann Method and the Discrete Transfer Method. Numerical Heat Transfer; Part A: Applications, 2006, 49, 279-299.	2.1	55
115	Electronic conductivity in gadolinium doped ceria under direct current as a trigger for flash sintering. Scripta Materialia, 2020, 179, 55-60.	5.2	55
116	Study of the pyrolysis process of an hybrid CH ₃ SiO _{1.5} gel into a SiCO glass. Vibrational Spectroscopy, 2007, 45, 61-68.	2.2	54
117	The onset of the flash transition in single crystals of cubic zirconia as a function of electric field and temperature. Scripta Materialia, 2017, 134, 123-127.	5.2	54
118	Measurement of O and Ti atom displacements in TiO ₂ during flash sintering experiments. Journal of the American Ceramic Society, 2018, 101, 1811-1817.	3.8	54
119	Flash sintering with current rate: A different approach. Journal of the American Ceramic Society, 2019, 102, 823-835.	3.8	54
120	Current-rate flash sintering of gadolinium doped ceria: Microstructure and Defect generation. Acta Materialia, 2020, 189, 145-153.	7.9	54
121	Analysis of Sintering of a Composite with a Glass or Ceramic Matrix. Journal of the American Ceramic Society, 1986, 69, C-55-C-57.	3.8	53
122	Effect of Hydrophilic Defects on Water Transport in MFI Zeolites. Langmuir, 2014, 30, 6446-6453.	3.5	53
123	Processing, microstructural evolution and strength properties of in-situ magnesium matrix composites containing nano-sized polymer derived SiCNO particles. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 685, 429-438.	5.6	53
124	Silicon-oxycarbide based thin film anodes for lithium ion batteries. Journal of Power Sources, 2011, 196, 5945-5950.	7.8	52
125	Influence of Grain Size on Ferroelastic Toughening and Piezoelectric Behavior of Lead Zirconate Titanate. Journal of the American Ceramic Society, 1995, 78, 3363-3368.	3.8	51
126	X-ray characterization of the domain structure of epitaxial lead titanate thin films on (001) strontium titanate. Applied Physics Letters, 1995, 67, 792-794.	3.3	51

#	ARTICLE	IF	CITATIONS
127	Energetics of Si _x O _y C _z Polymer-Derived Ceramics Prepared Under Varying Conditions. Journal of the American Ceramic Society, 2008, 91, 2969-2974.	3.8	51
128	Effect of the Heating Rate on the Relative Rates of Sintering and Crystallization in Glass. Journal of the American Ceramic Society, 1989, 72, 2361-2364.	3.8	50
129	Surface Diffusion-Controlled Neck Growth Kinetics in Early Stage Sintering of Zirconia, with and without Applied DC Electrical Field. Journal of the American Ceramic Society, 2011, 94, 391-395.	3.8	50
130	Pyrolysis of Titanicene Molecular Layer Deposition Films as Precursors for Conducting TiO ₂ /Carbon Composite Films. Journal of Physical Chemistry C, 2013, 117, 17442-17450.	3.1	50
131	Polymer-Derived Ceramic Materials from Thiol-ene Photopolymerizations. Chemistry of Materials, 2003, 15, 4257-4261.	6.7	49
132	Pool Boiling Heat Transfer on the International Space Station: Experimental Results and Model Verification. Journal of Heat Transfer, 2012, 134, .	2.1	48
133	Surfactant aided bubble departure during pool boiling. International Journal of Thermal Sciences, 2018, 131, 105-113.	4.9	48
134	Influence of Hydrostatic Pressure and Humidity on Superplastic Ductility of Two $\hat{1}^2$ -Spodumene Glass-Ceramics. Journal of the American Ceramic Society, 1984, 67, 385-390.	3.8	47
135	Subcooled Pool Boiling in Variable Gravity Environments. Journal of Heat Transfer, 2009, 131, .	2.1	47
136	Flash Sintering of Anode-Electrolyte Multilayers for $\langle\text{sc}\rangle\text{SOFC}\langle\text{sc}\rangle$ Applications. Journal of the American Ceramic Society, 2013, 96, 1352-1354.	3.8	47
137	A novel in-situ polymer derived nano ceramic MMC by friction stir processing. Materials and Design, 2015, 85, 626-634.	7.0	47
138	On the role of Debye temperature in the onset of flash in three oxides. Scripta Materialia, 2019, 170, 81-84.	5.2	47
139	Epitaxial LiTaO ₃ thin film by pulsed metalorganic chemical vapor deposition from a single precursor. Applied Physics Letters, 1993, 63, 3146-3148.	3.3	46
140	Polymer-derived SiCN composites with magnetic properties. Journal of Materials Research, 2003, 18, 2549-2551.	2.6	46
141	Electric field-induced softening of alkali silicate glasses. Applied Physics Letters, 2015, 107, .	3.3	46
142	Creep crack propagation by cavitation near crack tips. Metal Science, 1980, 14, 385-394.	0.7	45
143	Rate mechanisms of a novel thiol-ene photopolymerization reaction. Macromolecular Symposia, 2004, 206, 361-374.	0.7	45
144	Generation of Frenkel defects above the Debye temperature by proliferation of phonons near the Brillouin zone edge. New Journal of Physics, 2018, 20, 093013.	2.9	45

#	ARTICLE	IF	CITATIONS
145	Fracture toughness of diamondlike carbon coatings. Journal of Materials Research, 1999, 14, 2173-2180.	2.6	44
146	Stress rupture. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1981, 12, 1291-1302.	1.4	43
147	Electric field induced texture in titania during experiments related to flash sintering. Journal of the European Ceramic Society, 2016, 36, 257-261.	5.7	43
148	Two unique measurements related to flash experiments with yttria-stabilized zirconia. Journal of the American Ceramic Society, 2017, 100, 5374-5378.	3.8	43
149	Reactive flash sintering of powders of four constituents into a single phase of a complex oxide in a few seconds below 700°C. Journal of the American Ceramic Society, 2019, 102, 6443-6448.	3.8	42
150	A model for the evolution of grain size distribution during superplastic deformation. Acta Metallurgica, 1986, 34, 447-456.	2.1	41
151	Oxidation Behavior of SiCN-ZrO ₂ Fiber Prepared from Alkoxide-Modified Silazane. Journal of the American Ceramic Society, 2004, 87, 1556-1558.	3.8	41
152	Correlations between conductivity, electroluminescence and flash sintering. Scripta Materialia, 2016, 118, 1-4.	5.2	41
153	Mechanical and Tribological Behavior of Polymer-Derived Ceramics Constituted from SiC _x O _y N _z . Journal of the American Ceramic Society, 2006, 89, 3706-3714.	3.8	40
154	Biomass-gasification-based atmospheric water harvesting in India. Energy, 2018, 165, 610-621.	8.8	40
155	Microstructure and microchemistry of flash sintered K _{0.5} Na _{0.5} NbO ₃ . Journal of the Ceramic Society of Japan, 2016, 124, 321-328.	1.1	39
156	Wettability-independent critical heat flux during boiling crisis in foaming solutions. International Journal of Heat and Mass Transfer, 2018, 126, 567-579.	4.8	38
157	Reactive flash sintering: MgO and Al ₂ O ₃ transform and sinter into single-phase polycrystals of MgAl ₂ O ₄ . Journal of the American Ceramic Society, 2019, 102, 2294-2303.	3.8	38
158	Activation Energies for Densification, Creep, and Grain-Boundary Sliding in Nitrogen Ceramics. Journal of the American Ceramic Society, 1981, 64, C-143-C-145.	3.8	37
159	Ultra-high vacuum chemical vapor deposition and <i>in situ</i> characterization of titanium oxide thin films. Journal of Materials Research, 1991, 6, 1913-1918.	2.6	37
160	Electric field induced domain rearrangement in potassium niobate thin films studied by <i>in situ</i> second harmonic generation measurements. Journal of Applied Physics, 1997, 81, 865-875.	2.5	37
161	Flash sintering of a three-phase alumina, spinel, and yttria-stabilized zirconia composite. Journal of the American Ceramic Society, 2017, 100, 3262-3268.	3.8	37
162	Sintering and Crystallization of Glass at Constant Heating Rates. Journal of the American Ceramic Society, 1989, 72, 1564-1566.	3.8	36

#	ARTICLE	IF	CITATIONS
163	Domain configurations in ferroelectric PbTiO ₃ thin films: The influence of substrate and film thickness. <i>Solid State Ionics</i> , 1995, 75, 43-48.	2.7	36
164	Measurement of an electrical potential induced by normal stress applied to the interface of an ionic material at elevated temperatures. <i>Acta Materialia</i> , 1999, 47, 3423-3431.	7.9	36
165	A novel micro glow plug fabricated from polymer-derived ceramics: in situ measurement of high-temperature properties and application to ultrahigh-temperature ignition. <i>Sensors and Actuators A: Physical</i> , 2003, 104, 246-262.	4.1	36
166	Better Sintering through Green-State Deformation Processing. <i>Journal of the American Ceramic Society</i> , 1990, 73, 2032-2037.	3.8	35
167	Interface effects in superplastic deformation of alumina containing zirconia, titania or hafnia as a second phase. <i>Acta Metallurgica Et Materialia</i> , 1991, 39, 2909-2919.	1.8	35
168	Reactive flash sintering of the complex oxide Li _{0.5} La _{0.5} TiO ₃ starting from an amorphous precursor powder. <i>Scripta Materialia</i> , 2020, 176, 78-82.	5.2	35
169	An upper bound on strain rate for wedge type fracture in nickel during creep. <i>Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science</i> , 1981, 12, 515-520.	1.4	34
170	Superplastic Deformation of Zinc Sulfide Near Its Transformation Temperature [1020o]. <i>Journal of the American Ceramic Society</i> , 1989, 72, 1792-1796.	3.8	34
171	Analysis of the single-fiber-composite test to measure the mechanical properties of metal-ceramic interfaces. <i>Acta Metallurgica Et Materialia</i> , 1994, 42, 4177-4187.	1.8	33
172	Temperature Distributions During Flash Sintering of 8% Yttria-stabilized Zirconia. <i>Journal of the American Ceramic Society</i> , 2015, 98, 3525-3528.	3.8	33
173	Intergranular creep fracture in aggressive environments. <i>Acta Metallurgica</i> , 1982, 30, 1259-1268.	2.1	32
174	Autonucleation of cavities in thin ceramic films. <i>Acta Metallurgica</i> , 1989, 37, 2035-2038.	2.1	32
175	Intensely Photoluminescent Pseudo-Amorphous SiliconOxyCarboNitride Polymer-Ceramic Hybrids. <i>Journal of the American Ceramic Society</i> , 2008, 91, 2422-2424.	3.8	32
176	Electric Fields Obviate Constrained Sintering. <i>Journal of the American Ceramic Society</i> , 2014, 97, 3103-3109.	3.8	32
177	Thermohydraulic characterization of flow boiling in a nanostructured microchannel heat sink with vapor venting manifold. <i>International Journal of Heat and Mass Transfer</i> , 2019, 130, 1249-1259.	4.8	32
178	Liquid Phase Sintered Solders with Indium as Minority Phase for Next Generation Thermal Interface Material Applications. <i>Journal of Electronic Materials</i> , 2009, 38, 2735-2745.	2.2	31
179	Crystallization of Polymer-Derived Silicon Carbonitride at 1873 K under Nitrogen Overpressure. <i>Journal of the American Ceramic Society</i> , 2002, 85, 2587-2589.	3.8	30
180	Amorphous Silicon Carbonitride Fibers Drawn from Alkoxide Modified Cerasetâ„¢. <i>Journal of the American Ceramic Society</i> , 2003, 86, 1443-1445.	3.8	30

#	ARTICLE	IF	CITATIONS
181	Thiol-ene photopolymerization of polymer-derived ceramic precursors. Journal of Polymer Science Part A, 2004, 42, 1752-1757.	2.3	30
182	Nanoceramicâ€“Metal Matrix Composites by In-Situ Pyrolysis of Organic Precursors in a Liquid Melt. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2008, 39, 3291-3297.	2.2	30
183	Alumina and spinel react into single-phase high alumina spinel in 3 s during flash sintering. Journal of the American Ceramic Society, 2019, 102, 644-653.	3.8	30
184	Influence of flash sintering on the ionic conductivity of 8 mol% yttria stabilized zirconia. Journal of the European Ceramic Society, 2019, 39, 1352-1358.	5.7	30
185	Transition to electronic conduction at the onset of flash in cubic zirconia. Scripta Materialia, 2020, 174, 29-32.	5.2	30
186	Phase evolution during reactive flash sintering of $\text{Li}_6.25\text{Al}_0.25\text{La}_3\text{Zr}_2\text{O}_{12}$ starting from a chemically prepared powder. Journal of the European Ceramic Society, 2021, 41, 4552-4557.	5.7	30
187	Structure-Optical Property Correlation of Epitaxial Potassium Niobate Thin Films Deposited on Magnesium Oxide (100) Substrates Using a Strontium Titanate Transition Layer. Journal of the American Ceramic Society, 1995, 78, 1825-1833.	3.8	29
188	Growth rate and morphology for ceramic films by pulsed-MOCVD. Surface and Coatings Technology, 2001, 141, 7-14.	4.8	29
189	Synthesis and Tribological Behavior of Silicon Oxycarbonitride Thin Films Derived from Poly(Urea)Methyl Vinyl Silazane. International Journal of Applied Ceramic Technology, 2006, 3, 113-126.	2.1	29
190	Dynamic Evolution of the Evaporating Liquidâ€“Vapor Interface in Micropillar Arrays. Langmuir, 2016, 32, 519-526.	3.5	29
191	Kinetics of Precipitation of $\alpha\text{-Al}_2\text{O}_3$ in Polycrystalline Supersaturated $\text{MgO} - 2\text{Al}_2\text{O}_3$ Spinel Solid Solution. Journal of the American Ceramic Society, 1986, 69, 365-373.	3.8	27
192	TEM study of the structure and chemistry of a diamond/silicon interface. Journal of Materials Research, 1994, 9, 1566-1572.	2.6	27
193	Thermodynamically Stable $\text{Si}_x\text{C}_y\text{N}_z\text{O}_z$ Polymer-Like, Amorphous Ceramics Made from Organic Precursors. Journal of the American Ceramic Society, 2008, 91, 2391-2393.	3.8	27
194	C-rate performance of silicon oxycarbide anodes for Li^+ batteries enhanced by carbon nanotubes. Journal of Power Sources, 2011, 196, 2875-2878.	7.8	27
195	Broadening of Diffraction Peak Widths and Temperature Nonuniformity During Flash Experiments. Journal of the American Ceramic Society, 2016, 99, 3429-3434.	3.8	27
196	Measurement of the Sintering Pressure in Ceramic Films. Journal of the American Ceramic Society, 1988, 71, 276-280.	3.8	26
197	Rate effects in metal-ceramic interface sliding from the periodic film cracking technique. Acta Metallurgica Et Materialia, 1992, 40, 2269-2280.	1.8	26
198	Nonlinear optical properties of epitaxial lithium tantalate thin films. Journal of Applied Physics, 1995, 77, 3420-3425.	2.5	26

#	ARTICLE	IF	CITATIONS
199	Gravity Scaling Parameter for Pool Boiling Heat Transfer. <i>Journal of Heat Transfer</i> , 2010, 132, .	2.1	26
200	Preliminary investigation of hydroxyapatite microstructures prepared by flash sintering. <i>Advances in Applied Ceramics</i> , 2016, 115, 276-281.	1.1	26
201	Electric field-assisted flash sintering of CaCu ₃ Ti ₄ O ₁₂ : Microstructure characteristics and dielectric properties. <i>Journal of Alloys and Compounds</i> , 2016, 682, 753-758.	5.5	26
202	Flash sintering of Li-ion conducting ceramic in a few seconds at 850°C. <i>Scripta Materialia</i> , 2019, 172, 1-5.	5.2	26
203	On the synchronicity of flash sintering and phase transformation. <i>Journal of the American Ceramic Society</i> , 2019, 102, 3110-3116.	3.8	26
204	Novel Composites Constituted from Hafnia and a Polymer-Derived Ceramic as an Interface: Phase for Severe Ultrahigh Temperature Applications. <i>Journal of the American Ceramic Society</i> , 2007, 90, 3171-3176.	3.8	25
205	Heater Size and Gravity Based Pool Boiling Regime Map: Transition Criteria Between Buoyancy and Surface Tension Dominated Boiling. <i>Journal of Heat Transfer</i> , 2010, 132, .	2.1	25
206	Oxidation process of white SiO _x C _{(x)H} ceramics with various hydrogen contents. <i>Scripta Materialia</i> , 2013, 69, 602-605.	5.2	25
207	Continuous flash sintering. <i>Journal of the American Ceramic Society</i> , 2018, 101, 1432-1440.	3.8	25
208	Flash sintering: A new frontier in defect physics and materials science. <i>MRS Bulletin</i> , 2021, 46, 36-43.	3.5	25
209	On the Scaling of Pool Boiling Heat Flux With Gravity and Heater Size. <i>Journal of Heat Transfer</i> , 2012, 134, .	2.1	24
210	Oxidation of Polymer-Derived HfSiCNO up to 1600°C. <i>Journal of the American Ceramic Society</i> , 2013, 96, 1278-1284.	3.8	24
211	Aqueous ionic liquid solutions for boiling heat transfer enhancement in the absence of buoyancy induced bubble departure. <i>International Journal of Heat and Mass Transfer</i> , 2018, 122, 354-363.	4.8	24
212	Crack Initiation In Grain Boundaries Under Conditions of Steady-State and Cyclic Creep. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 1976, 98, 132-139.	1.4	23
213	Intergranular fracture in bicrystals II. <i>Acta Metallurgica</i> , 1982, 30, 505-511.	2.1	23
214	Type II Magnetic Levitation on Sinter-Forged YBa ₂ Cu ₃ O _x Superconductor. <i>Journal of the American Ceramic Society</i> , 1989, 72, 846-848.	3.8	23
215	In situ stress-strain response of small metal particles embedded in a ceramic matrix. <i>Acta Metallurgica Et Materialia</i> , 1994, 42, 2477-2485.	1.8	23
216	The influence of Pt and SrTiO ₃ interlayers on the microstructure of PbTiO ₃ thin films deposited by laser ablation on (001) MgO. <i>Journal of Materials Research</i> , 1995, 10, 791-794.	2.6	23

#	ARTICLE	IF	CITATIONS
217	Space-Charge-Controlled Diffusional Creep: Volume Diffusion Case+. Journal of the American Ceramic Society, 1996, 79, 193-198.	3.8	23
218	YSZ layers by pulsed-MOCVD on solid oxide fuel cell electrodes. Surface and Coatings Technology, 2003, 167, 226-233.	4.8	23
219	Conversion Efficiency of Alkoxide Precursor to Oxide Films Grown by an Ultrasonic-Assisted, Pulsed Liquid Injection, Metalorganic Chemical Vapor Deposition (Pulsed-MOCVD) Process. Journal of the American Ceramic Society, 1999, 82, 1605-1607.	3.8	23
220	Semiconductive Behavior of Polymer-Derived SiCN Ceramics for Hydrogen Sensing. Journal of the American Ceramic Society, 2015, 98, 1052-1055.	3.8	23
221	Mechanism of electric field-induced softening (EFIS) of alkali silicate glasses. Journal of Non-Crystalline Solids, 2017, 471, 384-395.	3.1	23
222	Facile Fabrication of Nanostructured Microchannels for Flow Boiling Heat Transfer Enhancement. Heat Transfer Engineering, 2019, 40, 537-548.	1.9	23
223	Spatial Variations in the Sintering Rate of Ordered and Disordered Particle Structures. Journal of the American Ceramic Society, 1988, 71, C-408-C-410.	3.8	22
224	Effect of hot-pressing temperature on the optical transmission of zinc sulfide. Applied Physics Letters, 1991, 58, 441-443.	3.3	22
225	Surface Energy of Sol Gel-Derived Silicon Oxycarbide Glasses. Journal of the American Ceramic Society, 2011, 94, 4523-4533.	3.8	22
226	Ultrahigh figure-of-merit for hydrogen generation from sodium borohydride using ternary metal catalysts. Journal of Power Sources, 2011, 196, 69-75.	7.8	22
227	A Novel In Situ Method for Producing a Dispersion of a Ceramic Phase into Copper That Remains Stable at 0.9T M. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 4734-4742.	2.2	22
228	Additive Manufacturing of Ceramics Enabled by Flash Pyrolysis of Polymer Precursors with Nanoscale Layers. Journal of the American Ceramic Society, 2016, 99, 57-63.	3.8	22
229	Life Prediction of Tungsten Filaments in Incandescent Lamps. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1978, 9, 941-946.	1.4	21
230	Dissolution Kinetics of beta-Si ₃ N ₄ in an Mg-Si-O-N Glass. Journal of the American Ceramic Society, 1982, 65, 270-274.	3.8	21
231	Superplastic flow in a non-stoichiometric ceramic: Magnesium aluminate spinel. Acta Metallurgica Et Materialia, 1993, 41, 1229-1235.	1.8	21
232	Metalorganic Chemical Vapor Deposition by Pulsed Liquid Injection Using an Ultrasonic Nozzle: Titanium Dioxide on Sapphire from Titanium(IV) Isopropoxide. Journal of the American Ceramic Society, 1995, 78, 2763-2768.	3.8	21
233	Domain Structure-Second Harmonic Generation Correlation in Potassium Niobate Thin Films Deposited on a Strontium Titanate Substrate. Journal of the American Ceramic Society, 1996, 79, 3289-3296.	3.8	21
234	Nanoscale Densification Creep in Polymer-Derived Silicon Carbonitrides at 1350°C. Journal of the American Ceramic Society, 2001, 84, 2208-2212.	3.8	21

#	ARTICLE	IF	CITATIONS
235	Multilayer Design and Evaluation of a High Temperature Environmental Barrier Coating for Si-Based Ceramics. <i>Journal of the American Ceramic Society</i> , 2007, 90, 516-522.	3.8	21
236	Combined effect of inlet restrictor and nanostructure on two-phase flow performance of parallel microchannel heat sinks. <i>International Journal of Thermal Sciences</i> , 2020, 153, 106339.	4.9	21
237	Sapphire whiskers from boehmite gel seeded with α -alumina. <i>Journal of Crystal Growth</i> , 1987, 85, 527-534.	1.5	20
238	Framework water capacity and infiltration pressure of MFI zeolites. <i>Microporous and Mesoporous Materials</i> , 2014, 190, 84-91.	4.4	20
239	Development of a processing map for safe flash sintering of gadolinium-doped ceria. <i>Journal of the American Ceramic Society</i> , 2021, 104, 4316-4328.	3.8	20
240	Hot Isostatic Pressing of Ceramic/Ceramic Composites at Pressures \leq 10 MPa. <i>Advanced Ceramic Materials</i> , 1988, 3, 122-126.	2.2	20
241	Unstable Spreading of a Fluid Inclusion in a Grain Boundary under Normal Stress. <i>Journal of the American Ceramic Society</i> , 1986, 69, 708-712.	3.8	19
242	Fracture and Stiffness Characteristics of Particulate Composites of Diamond in Zinc Sulfide. <i>Journal of the American Ceramic Society</i> , 1990, 73, 3074-3080.	3.8	19
243	Model for the crystallization and sintering of unseeded and seeded boehmite gels. <i>Journal of Materials Science</i> , 1992, 27, 2251-2257.	3.7	19
244	Experimental Characterization and Modeling of Pulsed MOCVD with Ultrasonic Atomization of Liquid Precursor. <i>Chemical Vapor Deposition</i> , 2001, 7, 85-90.	1.3	19
245	Effect of Steam Velocity on the Hydrothermal Oxidation/Volatilization of Silicon Nitride. <i>Journal of the American Ceramic Society</i> , 2006, 89, 1380-1387.	3.8	19
246	Shear strength and sliding at a metal-ceramic (aluminum-spinel) interface at ambient and elevated temperatures. <i>Acta Materialia</i> , 2007, 55, 3049-3057.	7.9	19
247	Solidification of a semitransparent planar layer subjected to radiative and convective cooling. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2007, 107, 226-235.	2.3	19
248	Polymer-Derived In-Situ Metal Matrix Composites Created by Direct Injection of a Liquid Polymer into Molten Magnesium. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 551-554.	2.2	19
249	Nanoporous evaporative device for advanced electronics thermal management. , 2014, , .		19
250	Bubble Nucleation During Oxidation of SiC. <i>Journal of the American Ceramic Society</i> , 2015, 98, 2579-2586.	3.8	19
251	Droplets on Microdecorated Surfaces: Evolution of the Polygonal Contact Line. <i>Langmuir</i> , 2017, 33, 4854-4862.	3.5	19
252	Dynamic Roughness Ratio-Based Framework for Modeling Mixed Mode of Droplet Evaporation. <i>Langmuir</i> , 2017, 33, 7191-7201.	3.5	19

#	ARTICLE	IF	CITATIONS
253	A methodology for analyzing the variability in the performance of a MEMS actuator made from a novel ceramic. <i>Sensors and Actuators A: Physical</i> , 2004, 116, 336-344.	4.1	18
254	On the thermodynamically stable amorphous phase of polymer-derived silicon oxycarbide. <i>Scientific Reports</i> , 2015, 5, 14550.	3.3	18
255	Surface-active ionic liquids as potential additive for pool boiling based energy systems. <i>Journal of Molecular Liquids</i> , 2019, 287, 110953.	4.9	18
256	In-situ acoustic detection of critical heat flux for controlling thermal runaway in boiling systems. <i>International Journal of Heat and Mass Transfer</i> , 2019, 138, 135-143.	4.8	18
257	De-adhesion by the growth of penny-shaped bubbles in an adhesive layer. <i>Philosophical Magazine and Journal</i> , 1975, 32, 909-922.	1.7	17
258	Dynamic effects on flow and fracture during isothermal forging of a titanium alloy. <i>Scripta Metallurgica</i> , 1980, 14, 241-246.	1.2	17
259	A model for subgrain superplastic flow in aluminum alloys. <i>Acta Metallurgica Et Materialia</i> , 1991, 39, 679-688.	1.8	17
260	Electron Cyclotron Resonance Plasma-Enhanced Metalorganic Chemical Vapor Deposition of Tantalum Oxide Thin Films on Silicon near Room Temperature. <i>Journal of the American Ceramic Society</i> , 1995, 78, 1585-1592.	3.8	17
261	Liquid phase sintered Cu-In composite solders for thermal interface material and interconnect applications. <i>Journal of Materials Science</i> , 2011, 46, 7012-7025.	3.7	17
262	Limits to the Stability of the Amorphous Nature of Polymer-Derived HfSiCNO Compounds. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2117-2123.	3.8	17
263	Electric field-assisted ultrafast synthesis of nanopowders: a novel and cost-efficient approach. <i>RSC Advances</i> , 2016, 6, 107208-107213.	3.6	17
264	Influence of flash sintering on phase transformation and conductivity of hydroxyapatite. <i>Ceramics International</i> , 2021, 47, 9125-9131.	4.8	17
265	Liquid-Phase Bonding of Silicon Nitride Ceramics. <i>Journal of the American Ceramic Society</i> , 1987, 70, C-105-C-107.	3.8	16
266	In-Situ Measurement of Silica-Gel Coating on Particles of Alumina. <i>Journal of the American Ceramic Society</i> , 1990, 73, 2163-2164.	3.8	16
267	Ultrahigh vacuum chemical vapor deposition of rhodium thin films on clean and TiO_2 -covered Si(111). <i>Thin Solid Films</i> , 1992, 208, 172-176.	1.8	16
268	Superefficient thin film multilayer catalyst for generating hydrogen from sodium borohydride. <i>Journal of Power Sources</i> , 2011, 196, 741-746.	7.8	16
269	SiOCN Functionalized Carbon Nanotube Gas Sensors for Elevated Temperature Applications. <i>Journal of the American Ceramic Society</i> , 2015, 98, 1142-1149.	3.8	16
270	Limiting Densities for Dense Random Packing of Spheres. <i>Journal of the American Ceramic Society</i> , 1982, 65, C-19-C-21.	3.8	15

#	ARTICLE	IF	CITATIONS
271	Nanostructure and chemistry of a (100)MgO/(100)GaAs interface. Applied Physics Letters, 1994, 65, 564-566.	3.3	15
272	A system level partitioning approach for analyzing the origins of variability in life prediction of tungsten filaments for incandescent lamps. Materials & Design, 1999, 21, 9-18.	5.1	15
273	On the onset of fracture as a silicon-based polymer converts into the ceramic phase. Journal of the American Ceramic Society, 2019, 102, 924-929.	3.8	15
274	Kinetics of Dissolution and Crystallization in a beta-Spodumene Glass-Ceramic. Journal of the American Ceramic Society, 1981, 64, 194-200.	3.8	14
275	Deformation-induced phase transformation in zinc sulphide. Journal of Materials Science Letters, 1990, 9, 818-819.	0.5	14
276	Microtensile superplasticity in ceramic fibers. Acta Metallurgica Et Materialia, 1991, 39, 3125-3132.	1.8	14
277	<i>Ab initio</i> and FTIR Studies of HfSiCNO Processed from the Polymer Route. Journal of the American Ceramic Society, 2014, 97, 742-749.	3.8	14
278	Oxidation, mechanical and thermal properties of hafnia-silicon carbide nanocomposites. Journal of the European Ceramic Society, 2014, 34, 1783-1790.	5.7	14
279	Interfacially engineered liquid-phase-sintered Cu-In composite solders for thermal interface material applications. Journal of Materials Science, 2014, 49, 7844-7854.	3.7	14
280	Additive Manufacturing of SiCN Ceramic Matrix for SiC Fiber Composites by Flash Pyrolysis of Nanoscale Polymer Films. Journal of the American Ceramic Society, 2016, 99, 1855-1858.	3.8	14
281	Electric field-assisted flash sintering of Bi ₂ /3Cu ₃ Ti ₄ O ₁₂ starting from a multi-phase precursor powder. Journal of the European Ceramic Society, 2020, 40, 4004-4009.	5.7	14
282	Thin films of transition metals on oxides. Acta Metallurgica Et Materialia, 1991, 39, 3187-3191.	1.8	13
283	Ion exchange at a metal-ceramic interface. Acta Materialia, 2002, 50, 1165-1176.	7.9	13
284	Investigation on the oxidation process of SiCO glasses by the means of non-Rutherford backscattering spectrometry. Nuclear Instruments & Methods in Physics Research B, 2003, 211, 401-407.	1.4	13
285	Diffusion reactions at Al-MgAl ₂ O ₄ interfaces and the effect of applied electric fields. Journal of Materials Science, 2006, 41, 7785-7797.	3.7	13
286	A low-cost method for producing high-performance nanocomposite thin-films made from silica and CNTs on cellulose substrates. Journal of Materials Science, 2008, 43, 4862-4869.	3.7	13
287	Diffusive relaxation of Li in particles of silicon oxycarbide measured by galvanostatic titrations. Journal of Power Sources, 2014, 249, 219-230.	7.8	13
288	Stress-rupture measurements of cast magnesium strengthened by in-situ production of ceramic particles. Journal of Magnesium and Alloys, 2017, 5, 225-230.	11.9	13

#	ARTICLE	IF	CITATIONS
289	Experimental characterization and modeling of critical heat flux with subcooled foaming solution. International Journal of Thermal Sciences, 2019, 141, 199-210.	4.9	13
290	Stack Pressure and Critical Current Density in Li-metal Cells: The Role of Mechanical Deformation. Acta Materialia, 2021, 215, 117076.	7.9	13
291	Model for interface reaction control in superplastic deformation of non-stoichiometric ceramics. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1993, 166, 89-95.	5.6	12
292	An Interdisciplinary Framework for the Design and Life Prediction of Engineering Systems. Journal of Engineering Materials and Technology, Transactions of the ASME, 2000, 122, 348-354.	1.4	12
293	Carbon Nanotubes Welded by Precursor-Derived Silicoboron Carbonitride Ceramics: A TEM Study. Physica Status Solidi A, 2002, 193, R13-R15.	1.7	12
294	Effect of foamability on pool boiling critical heat flux with nanofluids. Soft Matter, 2019, 15, 5308-5318.	2.7	12
295	An ingenious fluidic capacitor for complete suppression of thermal fluctuations in two-phase microchannel heat sinks. International Communications in Heat and Mass Transfer, 2020, 110, 104347.	5.6	12
296	A Theoretical Estimate of Solution-Precipitation Creep in MgO-Fluxed Si ₃ N ₄ . Journal of the American Ceramic Society, 1982, 65, c88-c90.	3.8	11
297	Effect of Diamond Dispersion on the Superplastic Rheology of Zinc Sulfide. Journal of the American Ceramic Society, 1990, 73, 2213-2216.	3.8	11
298	Boiling in variable gravity under the action of an electric field: results of parabolic flight experiments. Journal of Physics: Conference Series, 2011, 327, 012039.	0.4	11
299	Extreme-rate capable and highly stable SiCO-TiO ₂ hybrids for Li ion battery anodes. Chemical Communications, 2013, 49, 9657.	4.1	11
300	The role of non-stoichiometric defects in radiation damage evolution of SrTiO ₃ . Journal of Materials Chemistry A, 2013, 1, 9235.	10.3	11
301	The Change of X-ray Diffraction Peak Width During <i>in situ</i> Conventional Sintering of Nanoscale Powders. Journal of the American Ceramic Society, 2016, 99, 765-768.	3.8	11
302	Hotspot Thermal Management via Thin-Film Evaporation—Part I: Experimental Characterization. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 88-98.	2.5	11
303	Droplets on Lubricant-Infused Surfaces: Combination of Constant Mean Curvature Interfaces with Neumann Triangle Boundary Conditions. Langmuir, 2020, 36, 2974-2983.	3.5	11
304	On the Arrhenius-like behavior of conductivity during flash sintering of 3 mol% yttria stabilized zirconia ceramics. Scripta Materialia, 2021, 203, 114093.	5.2	11
305	Shear deformation and compaction of nickel aluminide powders at elevated temperatures. Acta Metallurgica, 1988, 36, 1929-1939.	2.1	10
306	Spline Based Shape Prediction and Analysis of Uniformly Rotating Sessile and Pendant Droplets. Langmuir, 2017, 33, 5603-5612.	3.5	10

#	ARTICLE	IF	CITATIONS
307	Scalable macroscale wettability patterns for pool boiling heat transfer enhancement. <i>Heat and Mass Transfer</i> , 2020, 56, 989-1000.	2.1	10
308	A Phenomenological Model (and Experiments) for Liquid Phase Sintering. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2007, 38, 628-637.	2.2	9
309	Transient Viscous Flow During the Evolution of a Ceramic (Silicon Carbonitride) from a Polymer (Polysilazane). <i>Journal of the American Ceramic Society</i> , 2010, 93, 2567-2570.	3.8	9
310	Three-dimensional architecture of lithium-anodes made from graphite fibers coated with thin-films of silicon oxycarbide: Design, performance and manufacturability. <i>Journal of Power Sources</i> , 2016, 310, 18-25.	7.8	9
311	Flash sintering of ceramic films: The influence of surface to volume ratio. <i>Journal of the American Ceramic Society</i> , 2019, 102, 3063-3069.	3.8	9
312	Tuneable chemistry at the interface and self-healing towards improving structural properties of carbon fiber laminates: a critical review. <i>Nanoscale Advances</i> , 2021, 3, 5745-5776.	4.6	9
313	Creep fracture experiments with planar sapphire-copper interfaces stressed in tension. <i>Acta Metallurgica Et Materialia</i> , 1992, 40, 615-624.	1.8	8
314	Determination of fracture toughness and bridging tractions from crack-opening displacement measurements in particulate composites of diamond in zinc sulfide. <i>Acta Metallurgica Et Materialia</i> , 1994, 42, 65-75.	1.8	8
315	Thermodynamic Analysis of Grain Aspect Ratio in Fibrous Microstructures of Silicon Nitride. <i>Journal of the American Ceramic Society</i> , 1997, 80, 3250-3252.	3.8	8
316	Influence of grain size variability on the strain rate dependence of the stress exponent in mixed-mode power law and diffusional creep. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2005, 36, 2913-2919.	2.2	8
317	Selection of TiN as the Interconnect Material for Measuring the Electrical Conductivity of Polymer-Derived SiCN at High Temperatures. <i>Journal of the American Ceramic Society</i> , 2007, 90, 295-297.	3.8	8
318	Flash-induced spreading of metals on zirconia. <i>Scripta Materialia</i> , 2020, 176, 73-77.	5.2	8
319	Frenkel pairs cause elastic softening in zirconia: theory and experiments. <i>New Journal of Physics</i> , 2021, 23, 053013.	2.9	8
320	Unique precursor delivery and control afforded by low-pressure pulsed-CVD process with ultrasonic atomization. <i>European Physical Journal Special Topics</i> , 2001, 11, Pr3-1161-Pr3-1168.	0.2	8
321	Correlations between cavitation, creep and dilation for multiaxial loading. <i>Acta Metallurgica</i> , 1983, 31, 29-36.	2.1	7
322	Superplastic deformation of an ultrafine grained intermetallic alloy prepared by crystallization of a metallic glass. <i>Acta Metallurgica</i> , 1984, 32, 1553-1560.	2.1	7
323	Nucleation of Floccs in Dilute Colloidal Suspensions. <i>Journal of the American Ceramic Society</i> , 1989, 72, 2148-2153.	3.8	7
324	Grain Growth in Superplastically Deformed Zinc Sulfide/Diamond Composites. <i>Journal of the American Ceramic Society</i> , 1991, 74, 1729-1731.	3.8	7

#	ARTICLE	IF	CITATIONS
325	Solid Yttria-Stabilized Zirconia Films by Pulsed Chemical Vapor Deposition from Metal-Organic Precursors. Journal of the American Ceramic Society, 2002, 85, 2873-2875.	3.8	7
326	Hotspot Thermal Management via Thin-Film Evaporation—Part II: Modeling. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 99-112.	2.5	7
327	Processing and properties of $\text{Bi}_{0.98}\text{R}_{0.02}\text{FeO}_3$ ($\text{R}=\text{La, Sm, Y}$) ceramics flash sintered at $\sim 650^\circ\text{C}$ in N_2 . Journal of the American Ceramic Society, 2020, 103, 136-144.	3.8	7
328	The flash effect in electronic conductors: The case of amorphous carbon fibers. Scripta Materialia, 2020, 179, 20-24.	5.2	7
329	Superplastic Flow in Ceramics Enhanced by a Liquid Phase. , 1984, , 353-378.		7
330	Touch Free Flash Sintering with Magnetic Induction within a Reactor Activated by the Usual Flash Method. Journal of the American Ceramic Society, 0, , .	3.8	7
331	Equations for diffusional creep under multiaxial stress states. Scripta Metallurgica, 1981, 15, 273-274.	1.2	6
332	Suppression of Frothing by Silicon Addition During Oxynitride Glass Synthesis. Journal of the American Ceramic Society, 1985, 68, C-168-C-170.	3.8	6
333	Effect of Silicon Activity on Liquid-Phase Sintering of Nitrogen Ceramics. Journal of the American Ceramic Society, 1985, 68, C-124-C-126.	3.8	6
334	Control of the Microstructure of Alumina-Zirconia Alloys Starting from Inorganic Salts. Journal of the American Ceramic Society, 1991, 74, 1707-1709.	3.8	6
335	Reply to "Comment on 'Analysis of the Sintering Pressure'". Journal of the American Ceramic Society, 1993, 76, 1903-1903.	3.8	6
336	Growth of epitaxial lithium tantalate on sapphire by chemical beam epitaxy from lithium hexaethoxy-tantalate. Ferroelectrics, 1994, 152, 7-12.	0.6	6
337	A real time human-machine interface for an ultrahigh temperature MEMS sensor-igniter. Sensors and Actuators A: Physical, 2003, 105, 23-30.	4.1	6
338	Mechanical Design for Accommodating Thermal Expansion Mismatch in Multilayer Coatings for Environmental Protection at Ultrahigh Temperatures. Journal of the American Ceramic Society, 2007, 90, 170-176.	3.8	6
339	Can Die Configuration Influence Field-Assisted Sintering of Oxides in the SPS Process?. Journal of the American Ceramic Society, 2013, 96, 3697-3700.	3.8	6
340	Experiment and modeling of microstructured capillary wicks for thermal management of electronics. , 2013, , .		6
341	Chemical Potential-Based Analysis for the Oxidation Kinetics of Si and SiC Single Crystals. Journal of the American Ceramic Society, 2013, 96, 2926-2934.	3.8	6
342	Flash transition as a possible origin for low open circuit voltage in thin film solid oxide fuel cells. Journal of Power Sources, 2017, 359, 48-51.	7.8	6

#	ARTICLE	IF	CITATIONS
343	<sc>AC</sc> electric field-induced softening of alkali silicate glasses. Journal of the American Ceramic Society, 2018, 101, 2277-2286.	3.8	6
344	Design, fabrication, and performance evaluation of a novel biomass-gasification-based hot water generation system. Energy, 2019, 185, 148-157.	8.8	6
345	Design, fabrication, and performance evaluation of a novel orientation independent and wickless heat spreader. International Journal of Heat and Mass Transfer, 2020, 153, 119572.	4.8	6
346	Precipitous weakening of quartz at the \pm phase inversion. Journal of the American Ceramic Society, 2021, 104, 23-26.	3.8	6
347	Current constriction of Li-ion transport across lithium metal-ceramic electrolyte interface: Imaged with X-ray Tomography. MRS Communications, 2021, 11, 283-287.	1.8	6
348	In-flash immersion and quench of yttria-stabilized zirconia into liquid nitrogen yields an electronic conductor. Journal of the American Ceramic Society, 2022, 105, 1635-1639.	3.8	6
349	Ultra-high vacuum metalorganic chemical vapor deposition of GaAs thin films onto Si(100) using a single-source precursor. Thin Solid Films, 1991, 205, 236-240.	1.8	5
350	Orientation control of KNbO ₃ thin films deposited by laser ablation on MgO (100) using SrTiO ₃ transition layers. Ferroelectrics, 1994, 152, 55-60.	0.6	5
351	Design and performance of a new type of Knudsen cell for chemical beam epitaxy using metal-organic precursors. Vacuum, 1997, 48, 165-173.	3.5	5
352	Porous Al ₂ O ₃ -Spinel Based Polycrystals That Resist Free-Sintering. Journal of the American Ceramic Society, 2008, 91, 3451-3454.	3.8	5
353	Novel liquid phase sintered solders with indium as minority phase for next generation thermal interface material applications. , 2008, , .		5
354	Optimization of Biporous Micropillar Array for Enhanced Heat Transfer Performance. , 2015, , .		5
355	Evaluation of high temperature resistance of white Si-O-C(H) ceramics in an inert atmosphere. Journal of Non-Crystalline Solids, 2015, 410, 106-111.	3.1	5
356	Onset of Nucleate Boiling, Void Fraction, and Liquid Film Thickness. , 2016, , 5-90.		5
357	Transmission electron microscopy study of microstructure and misfit dislocations in epitaxial LiTaO ₃ thin films grown on sapphire by a metalorganic chemical vapor deposition process. Journal of Applied Physics, 1996, 79, 3675-3680.	2.5	4
358	Fabrication process for ultra high aspect ratio polysilazane-derived MEMS. , 0, , .		4
359	Influence of Distributed Particle Size on the Determination of the Parabolic Rate Constant for Oxidation by the Powder Method. Journal of the American Ceramic Society, 2003, 86, 351-353.	3.8	4
360	Integration of Ceramics Research with the Development of a Microsystem. Journal of the American Ceramic Society, 2003, 86, 1217-1219.	3.8	4

#	ARTICLE	IF	CITATIONS
361	Compression Creep of Alumina Containing Interfacial Silicon, Carbon, and Nitrogen, Derived from a Polysilazane Precursor. Journal of the American Ceramic Society, 2010, 93, 954-958.	3.8	4
362	Grain Boundary Resistivity of Yttria-Stabilized Zirconia at 1400°C. Journal of Ceramics, 2013, 2013, 1-4.	0.9	4
363	Low-Wear High-Friction Behavior of Copper Matrix Composites Dispersed With an In Situ Polymer Derived Ceramic. Journal of Tribology, 2015, 137, .	1.9	4
364	Role of Shear in the Sintering of Composites. , 1986, , 27-39.		4
365	On the catalytic effect of zirconia on flash sintering of alumina. Journal of the American Ceramic Society, 2022, 105, 3746-3752.	3.8	4
366	The Influence of Grain Boundary Structure on Strain-Induced Grain Growth During Superplastic Deformation. Materials Research Society Symposia Proceedings, 1990, 196, 21.	0.1	3
367	Phase Formation and Phase Stability in the Al-Ti Thin Film System. Materials Research Society Symposia Proceedings, 1990, 213, 925.	0.1	3
368	Crystallization of the Nanophase in Silicon Nitrides. , 1994, , 201-216.		3
369	The influence of micro structural scale on the creep resistance of high volume fraction ceramic-metal composites made from aluminum oxide and niobium. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 206, 128-137.	5.6	3
370	A mechanistic basis for high strain rate superplasticity of aluminum based metal matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 212, 14-21.	5.6	3
371	A mechanistic basis for high strain rate superplasticity of aluminum based metal matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 215, 1-8.	5.6	3
372	Controlled Epitaxial Nucleation of Nickel Oxide on Microfabricated Magnesium Oxide Substrates in a CVD Process. Journal of the American Ceramic Society, 1996, 79, 1025-1033.	3.8	3
373	A tungsten filament high temperature heater for thin film deposition. Review of Scientific Instruments, 1996, 67, 3958-3960.	1.3	3
374	Fabrication of SiCN MEMS structures using microforged molds. , 0, , .		3
375	Temperature-dependent variability in lifetime prediction of thermally activated systems. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2004, 35, 1471-1476.	2.2	3
376	Novel Liquid Phase Sintered Sn-In Solders with Tailorable Properties for Thermal Interface Material and Interconnect Applications. , 2007, , .		3
377	A Langmuir-Kinetic Model for CVD Growth from Chemical Precursors. Chemical Vapor Deposition, 2013, 19, 260-266.	1.3	3
378	Visualization of the Evaporating Liquid-Vapor Interface in Micropillar Arrays. Journal of Heat Transfer, 2016, 138, .	2.1	3

#	ARTICLE	IF	CITATIONS
379	Nucleation of voids at Li-metalâ€“ceramicâ€“electrolyte interfaces. MRS Communications, 0, , 1.	1.8	3
380	Heteroepitaxial Growth Kinetics in a CVD Process Using Nickel Oxide on MgO as a Model System. Journal of the American Ceramic Society, 1996, 79, 1019-1024.	3.8	2
381	Domain Wall Pinning by Grain Boundaries During Electric Field Poling of KNbO3 Thin Films. Materials Research Society Symposia Proceedings, 1997, 493, 75.	0.1	2
382	Fabrication of multi-layered SiCN ceramic MEMS using photo-polymerization of precursor. , 0, , .		2
383	Friction and Wear Behavior of Silicon Carbonitride Processed From the Polymer-Derived Ceramic Route. , 2005, , 473.		2
384	Thermocapillary Convection during Subcooled Boiling in Reduced Gravity Environments. Annals of the New York Academy of Sciences, 2009, 1161, 173-181.	3.8	2
385	Inverse Problems in Stochastic Modeling of Mixed-Mode Power-Law and Diffusional Creep for Distributed Grain Size. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 308-317.	2.2	2
386	Capillary-Limited Evaporation From Well-Defined Microstructured Surfaces. , 2013, , .		2
387	Hotspot thermal management via thin-film evaporation. , 2016, , .		2
388	Thin coatings of hafnium abate oxidative recession of SiC fibers. Journal of the American Ceramic Society, 2021, 104, 1210-1215.	3.8	2
389	Flash sintering of yttriaâ€“stabilized zirconia powders coated with nanoscale films of alumina by atomic layer deposition. Journal of the American Ceramic Society, 2021, 104, 2472-2482.	3.8	2
390	Influence of temperature and ASR on the critical current density in lithium-metalâ€“ceramic cells. MRS Communications, 2021, 11, 483-488.	1.8	2
391	Higher conductivity of non-stoichiometric lithium lanthanum zirconate ceramics made by reactive flash synthesis. MRS Communications, 2022, 12, 201-205.	1.8	2
392	Ion Induced Crystallization and Growth of Nanoscale Grains in Ceramics. Materials Research Society Symposia Proceedings, 1990, 202, 633.	0.1	1
393	Superplastic Flow in Ceramic Microfiber Specimens. Materials Research Society Symposia Proceedings, 1991, 239, 133.	0.1	1
394	Electronic Structure and Bonding at Interfaces Between cvd Diamond and Silicon. Materials Research Society Symposia Proceedings, 1994, 332, 163.	0.1	1
395	In situ study of MgO on GaAs (001) for integrating thin film ferroelectrics with semiconductors. Ferroelectrics, 1994, 157, 353-358.	0.6	1
396	In-situ X-ray diffraction study of phase transitions in epitaxial KNbO3 thin films. Ferroelectrics, 1997, 200, 343-351.	0.6	1

#	ARTICLE	IF	CITATIONS
397	Crystallization of a Liquid (or a Glass) Contained within a Nanotube. <i>Physica Status Solidi A</i> , 1998, 166, 529-540.	1.7	1
398	Evaporation-Induced Cassie Droplets on Superhydrophilic Microstructured Surfaces. , 2012, , .		1
399	Dramatic influence of interface chemical potentials on the oxidation of silicon and carbon based compounds. <i>Journal of the European Ceramic Society</i> , 2014, 34, 1035-1039.	5.7	1
400	Predicting structural properties of amorphous silicon carbonitride by atomistic simulation. <i>International Journal of Materials and Structural Integrity</i> , 2016, 10, 63.	0.1	1
401	Thin-film evaporation from micropillar wicks in ambient environment. , 2017, , .		1
402	The Design of the Interface Phase for Obtaining Thermal Shock Resistance in Silicon Nitride. , 1993, , 207-221.		1
403	Experimental Investigation of Single-Phase Heat Transfer on Scalable Nanostructured Microchannels. , 0, , .		1
404	Intergranular fracture at elevated temperature. <i>Scripta Metallurgica</i> , 1975, 9, xv.	1.2	0
405	Characterizing Packing Geometry for Better Sintering. <i>Materials and Processing Report</i> , 1988, 2, 8-9.	0.0	0
406	Nucleation of Special Orientations During Heteroepitaxial Growth of Diamond on Silicon. <i>Materials Research Society Symposia Proceedings</i> , 1993, 317, 517.	0.1	0
407	Deposition of Titanium Oxide Films from Metal-Organic Precursor by Electron Cyclotron Resonance Plasma-Assisted Chemical Vapor Deposition. <i>Materials Research Society Symposia Proceedings</i> , 1993, 335, 117.	0.1	0
408	Measurement of the Interfacial Shear Strength of thin Copper Films on Sapphire by Microindentation Experiments. <i>Materials Research Society Symposia Proceedings</i> , 1995, 403, 151.	0.1	0
409	Epitaxial Variants and Grain Boundary Structures in Heteroepitaxial Lithium Tantalate on Basal Sapphire. <i>Materials Research Society Symposia Proceedings</i> , 1996, 441, 125.	0.1	0
410	Developing an Ab-Initio Human-Machine Interface for an Ultrahigh Temperature MEMS Sensor made from a Novel Polymer Derived Ceramic. , 2002, , .		0
411	Gravity Scaling Parameter for Pool Boiling Heat Transfer. , 2009, , .		0
412	Heater Size and Orientation Effect on Pool Boiling of FC-72. , 2010, , .		0
413	Colossal anelasticity in polycrystals deforming under conditions of diffusional creep. <i>Acta Materialia</i> , 2010, 58, 702-708.	7.9	0
414	PDCs functionalized carbon nanostructure for gas sensing application. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
415	Reversible elastic deformation of functionalized sp ² carbon at pressures of up to 33â€™GPa. Applied Physics Letters, 2014, 105, 141901.	3.3	0
416	Polygonal Droplets on Microstructured Surfaces. Journal of Heat Transfer, 2014, 136, .	2.1	0
417	Experimental Characterization and Modeling of Capillary-Pumped Thin-Film Evaporation From Micropillar Wicks. , 2016, , .		0
418	Hafnia-silicon carbide nanocomposites II: Measurements of the residual stress. Journal of the European Ceramic Society, 2016, 36, 937-942.	5.7	0
419	Aqueous Ionic Liquid Solution based Two-phase Thermal Management for Adverse Gravity Applications. , 2019, , .		0
420	Enhancement of Tensile Ductility in Nanograin Superplastic Ceramics Through Control of Interface Chemistry. , 1992, , 238-247.		0
421	First Order Quasi-Phase-Matched Second-Harmonic Generation in LiTaO ₃ Utilizing a Periodic Domain Inversion Created by an External Stress. Materials Research Society Symposia Proceedings, 1993, 329, 147.	0.1	0
422	Blue Light by Second Harmonic Generation in Epitaxial PbTiO ₃ Thin Film Waveguide. Materials Research Society Symposia Proceedings, 1993, 329, 153.	0.1	0
423	EXTREME HOTSPOT HEAT FLUX THERMAL MANAGEMENT VIA THIN-FILM EVAPORATION FROM MICROSTRUCTURED SURFACES. , 2016, , .		0
424	Spline Based Modeling of Two-Dimensional Droplets on Rough and Heterogeneous Surfaces. Lecture Notes in Mechanical Engineering, 2017, , 1049-1058.	0.4	0
425	CREEP FRACTURE IN CERAMICS CONTAINING SMALL AMOUNTS OF A LIQUID PHASE. , 1983, , 145-160.		0
426	Nucleation of voids at second phase particles at lithiumâ€™ceramic interface degrades cell performance. MRS Communications, 2021, 11, 879.	1.8	0
427	Solidification Processing of Magnesium Based In-Situ Metal Matrix Composites by Precursor Approach. , 0, , .		0