

# Daniel Roper

## 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.

132  
papers

3,772  
citations

28  
h-index

58  
g-index

136  
ext. papers

4,295  
ext. citations

3  
avg, IF

5.55  
L-index

#	Paper	IF	Citations
132	Tailorable thermal expansion in leucite-pollucite materials derived from geopolymers for environmental barrier coatings. <i>Journal of the American Ceramic Society</i> , <b>2021</b> , 104, 3397-3410	3.8	2
131	Amorphous self-glazed, chopped basalt fiber reinforced, geopolymer-based composites. <i>International Journal of Applied Ceramic Technology</i> , <b>2021</b> , 18, 1097-1105	2	0
130	Thermal expansion and phase transformation in the rare earth di-titanate (RTiO) system. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2021</b> , 77, 397-407	1.8	0
129	Bone ash reinforced geopolymer composites. <i>Journal of the American Ceramic Society</i> , <b>2021</b> , 104, 2767-2789	3.8	4
128	Relative importance of Al(V) and reinforcement to the flexural strength of geopolymer composites. <i>Journal of the American Ceramic Society</i> , <b>2021</b> , 104, 3452-3460	3.8	3
127	Amorphous self-healed, chopped basalt fiber-reinforced, geopolymer composites. <i>Journal of the American Ceramic Society</i> , <b>2021</b> , 104, 3443-3451	3.8	3
126	Geopolymers and Geopolymer-Derived Composites <b>2021</b> , 424-438		1
125	Properties and characterization of alumina platelet reinforced geopolymer composites. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 5178-5185	3.8	5
124	High-entropy, phase-constrained, lanthanide sesquioxide. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 569-576	3.8	28
123	Formation of $\beta$ -Si <sub>3</sub> N <sub>4</sub> nanoparticles by carbothermal reduction and nitridation of geopolymers. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 6542-6551	3.8	6
122	Temperature gradients for thermophysical and thermochemical property measurements to 3000 °C for an aerodynamically levitated spheroid. <i>Review of Scientific Instruments</i> , <b>2019</b> , 90, 015109	1.7	8
121	Reply to comments: In-situ determination of the HfO <sub>2</sub> -Ta <sub>2</sub> O <sub>5</sub> -temperature phase diagram up to 3000 °C. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 7028-7030	3.8	2
120	Development of mechanical properties in dental resin composite: Effect of filler size and filler aggregation state. <i>Materials Science and Engineering C</i> , <b>2019</b> , 101, 274-282	8.3	33
119	Crystal structure solution for the ABO (A = Zr, Hf; B = Nb, Ta) superstructure. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2019</b> , 75, 227-234	1.8	11
118	MICROSTRUCTURE AND FLEXURE STRENGTHS OF DOLOMITE PARTICULATE- REINFORCED GEOPOLYMER COMPOSITES. <i>Ceramic Engineering and Science Proceedings</i> , <b>2019</b> , 171-181	0.1	
117	Alumina and spinel react into single-phase high-alumina spinel in . <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 644-653	3.8	25
116	In-situ determination of the HfO <sub>2</sub> -Ta <sub>2</sub> O <sub>5</sub> -temperature phase diagram up to 3000 °C. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 4848-4861	3.8	25

115	Sodium silicate activated slag-fly ash binders: Part III Composition of soft gel and calorimetry. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 3175-3190	3.8	11
114	Slag-fly ash and slag-metakaolin binders: Part II Properties of precursors and NMR study of poorly ordered phases. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 3204-3227	3.8	13
113	Sodium silicate activated slag-fly ash binders: Part I Processing, microstructure, and mechanical properties. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 2228-2244	3.8	17
112	In-situ investigation of Hf <sub>6</sub> Ta <sub>2</sub> O <sub>17</sub> anisotropic thermal expansion and topotactic, peritectic transformation. <i>Acta Materialia</i> , <b>2018</b> , 161, 127-137	8.4	25
111	5.9 Geopolymer-Based Composites <b>2018</b> , 269-280		15
110	Mixed Alkali Regional Metakaolin-Based Geopolymer. <i>Ceramic Engineering and Science Proceedings</i> , <b>2017</b> , 123-133	0.1	2
109	Geopolymer reinforced with E-glass leno weaves. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 2492-2501	3.8	10
108	Strength Improvements in Clay-Based Ceramic Reinforced with Discontinuous Basalt Fiber. <i>Ceramic Engineering and Science Proceedings</i> , <b>2017</b> , 227-233	0.1	
107	Properties of Cork Particle Reinforced Sodium Geopolymer Composites. <i>Ceramic Engineering and Science Proceedings</i> , <b>2017</b> , 79-82	0.1	2
106	Potassium-Based Geopolymer Composites Reinforced with Chopped Bamboo Fibers. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 49-55	3.8	18
105	Bamboo-Geopolymer Composite: A Preliminary Study. <i>Ceramic Engineering and Science Proceedings</i> , <b>2017</b> , 135-143	0.1	2
104	Synthesis of NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> by the Inorganic/Organic Steric Entrapment Method and Its Thermal Expansion Behavior. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 3586-3593	3.8	8
103	Geopolymer-bamboo composite A novel sustainable construction material. <i>Construction and Building Materials</i> , <b>2016</b> , 123, 501-507	6.7	73
102	The Change of X-ray Diffraction Peak Width During in situ Conventional Sintering of Nanoscale Powders. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 765-768	3.8	10
101	Broadening of Diffraction Peak Widths and Temperature Nonuniformity During Flash Experiments. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 3429-3434	3.8	24
100	Synthesis and Characterization of Silicon Carbide Powders Converted from Metakaolin-Based Geopolymer. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 2521-2530	3.8	12
99	Properties of Geopolymer Composites Reinforced with Basalt Chopped Strand Mat or Woven Fabric. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 1192-1199	3.8	22
98	Experimental study of embedded and non-embedded ordered granular chains under impulsive excitation. <i>Acta Mechanica</i> , <b>2016</b> , 227, 2511-2527	2.1	3

97	Relationship Between the Orthorhombic and Hexagonal Phases in Dy <sub>2</sub> TiO <sub>5</sub> . <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 3739-3744	3.8	9
96	Emergence and Extinction of a New Phase During On/Off Experiments Related to Flash Sintering of 3YSZ. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 1493-1497	3.8	70
95	Highly Porous Geopolymers Through Templating and Surface Interactions. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 2052-2059	3.8	22
94	Synthesis of LiFePO <sub>4</sub> powder by the organic/inorganic steric entrapment method. <i>Journal of Materials Research</i> , <b>2015</b> , 30, 2133-2143	2.5	6
93	Sodium Geopolymer Reinforced with Jute Weave. <i>Ceramic Engineering and Science Proceedings</i> , <b>2015</b> , 39-60	0.1	8
92	Thermal Expansion of the Orthorhombic Phase in the Ln <sub>2</sub> TiO <sub>5</sub> System. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 4096-4101	3.8	6
91	Experimental study of nonlinear acoustic bands and propagating breathers in ordered granular media embedded in matrix. <i>Granular Matter</i> , <b>2015</b> , 17, 49-72	2.6	28
90	Thermal Expansion of HfO <sub>2</sub> and ZrO <sub>2</sub> . <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 2213-2222	3.8	64
89	Thermal Expansion of Ln <sub>6</sub> WO <sub>12</sub> (Ln = Y, Ho, Er, Yb) and Ln <sub>2</sub> WO <sub>6</sub> (Ln = Gd, Dy, Ho) In Situ Synchrotron X-ray Diffraction Study. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 2496-2505	3.8	5
88	In Situ Mechanical Properties of Chamotte Particulate Reinforced, Potassium Geopolymer. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 907-915	3.8	42
87	In Situ Synchrotron X-Ray Diffraction Study of the Rhombohedral-to-HT-Cubic Phase Transformation in Ln <sub>6</sub> WO <sub>12</sub> (Ln = Y, Ho, Er, Yb). <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 1256-1263	3.8	3
86	Characterization of Tetragonal-Monoclinic, Ferroelastic Transformation and Domain Boundaries in Zirconia-Alloyed Yttrium Tantalate. <i>Microscopy and Microanalysis</i> , <b>2014</b> , 20, 1930-1931	0.5	1
85	Development of a Gas-Fed Plasma Source for Pulsed High-Density Plasma/Material Interaction Studies. <i>IEEE Transactions on Plasma Science</i> , <b>2014</b> , 42, 3245-3252	1.3	4
84	High-Temperature Properties and Ferroelastic Phase Transitions in Rare-Earth Niobates (LnNbO <sub>4</sub> ). <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 3307-3319	3.8	57
83	Synthesis and Thermal Expansion of Eucriptite Powders Produced by the Inorganic/Organic Steric Entrapment Method. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 3087-3091	3.8	3
82	Geopolymer with Hydrogel Characteristics via Silane Coupling Agent Additives. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 295-302	3.8	10
81	Synthetic Aragonite (CaCO <sub>3</sub> ) as a Potential Additive in Calcium Phosphate Cements: Evaluation in Tris-Free SBF at 37°C. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 3052-3061	3.8	7
80	In Situ Synchrotron X-Ray Diffraction Study of the Cubic to Rhombohedral Phase Transformation in Ln <sub>6</sub> WO <sub>12</sub> (Ln = Y, Ho, Er, Yb). <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 987-994	3.8	17

79	Optimization of Gas Adsorption Porosimetry for Geopolymer Analysis. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 3643-3649	3.8	18
78	A Forming Technique to Produce Spherical Ceramic Beads Using Sodium Alginate as a Precursor Binder Phase. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 3379-3388	3.8	19
77	Thermal Properties and Phase Transition of 2ZrO <sub>2</sub> ?P2O <sub>5</sub> Studied by In Situ Synchrotron X-ray Diffraction. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 1292-1299	3.8	2
76	Alumina Region of the Lithium Aluminosilicate System: A New Window for Temperature Ultrastable Materials Design. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 2039-2041	3.8	10
75	Polymer Adhesion to Geopolymer via Silane Coupling Agent Additives. <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 3758-3762	3.8	11
74	Microstructure and Microchemistry of Fully-Reacted Geopolymers and Geopolymer Matrix Composites. <i>Ceramic Transactions</i> , <b>2012</b> , 227-250	0.1	18
73	Composite Cold Ceramic Geopolymer in a Refractory Application. <i>Ceramic Transactions</i> , <b>2012</b> , 211-225	0.1	8
72	Porous Biphasic Calcium Phosphate Scaffolds from Cuttlefish Bone. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 2362-2370	3.8	39
71	Weakening of Alkali-Activated Metakaolin During Aging Investigated by the Molybdate Method and Infrared Absorption Spectroscopy. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 2585-2590	3.8	36
70	Fabrication of Structural Leucite Glass-Ceramics from Potassium-Based Geopolymer Precursors. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 2644-2649	3.8	58
69	Formation of Ceramics from Metakaolin-Based Geopolymers. Part II: K-Based Geopolymer. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 607-615	3.8	180
68	Formation of Ceramics from Metakaolin-Based Geopolymers: Part I: Na-Based Geopolymer. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 1-8	3.8	129
67	X-Ray pair distribution function analysis of a metakaolin-based, KAlSi <sub>2</sub> O <sub>6</sub> ?5H <sub>2</sub> O inorganic polymer (geopolymer). <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 5974		81
66	Atomic Structure of a Cesium Aluminosilicate Geopolymer: A Pair Distribution Function Study. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 4768-4776	9.6	95
65	Geopolymer Refractories for the Glass Manufacturing Industry. <i>Ceramic Engineering and Science Proceedings</i> , <b>2008</b> , 57-80	0.1	2
64	Creep characteristics of alumina, nickel aluminate spinel, zirconia composites. <i>Journal of Materials Research</i> , <b>2008</b> , 23, 556-564	2.5	4
63	Processing and Characterization of Multiphase Ceramic Composites Part I: Duplex Composites Formed In Situ from Solution. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 784-792	3.8	4
62	Processing and Characterization of Multiphase Ceramic Composites Part III: Strong, Hard and Tough, High Temperature-Stable Quadruplex and Quintuplex Composites. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 799-805	3.8	5

61	Processing and Characterization of Multiphase Ceramic Composites Part II: Triplex Composites with a Wide Sintering Temperature Range. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 793-798	3.8	14
60	Sintering Behavior of Gehlenite. Part I: Self-Forming, Macro-/Mesoporous Gehlenite Pore-Forming Mechanism, Microstructure, Mechanical, and Physical Properties. <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 90, 1760-1773	3.8	16
59	Phase Transformations in the High-Temperature Form of Pure and TiO <sub>2</sub> -Stabilized Ta <sub>2</sub> O <sub>5</sub> . <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 90, 2947-2953	3.8	14
58	Sintering Behavior of Gehlenite, Part II. Microstructure and Mechanical Properties. <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 90, 2766-2770	3.8	9
57	Thermal Expansion and Phase Transitions up to 850 °C of a Celsian-Hexacelsian (BaAl <sub>2</sub> Si <sub>2</sub> O <sub>8</sub> ) Mixture <b>2006</b> , 257-261		
56	Understanding the relationship between geopolymer composition, microstructure and mechanical properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2005</b> , 269, 47-58	5.1	972
55	Carbon-Coated-Glass-Fiber-Reinforced Cement Composites: I, Fiber Pushout and Interfacial Properties. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 80, 2326-2332	3.8	8
54	A Strong and Damage-Tolerant Oxide Laminate. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 80, 2421-2424	3.8	32
53	Control of Interfacial Properties through Fiber Coatings: Monazite Coatings in Oxide/Oxide Composites. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 80, 2987-2996	3.8	53
52	Preparation, Microstructure, and Mechanical Properties of Silicon Carbide/Dysprosia Composites. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 80, 2997-3008	3.8	6
51	Crystallization and Densification of Nano-Size Amorphous Cordierite Powder Prepared by a PVA Solution-Polymerization Route. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 81, 2605-2612	3.8	81
50	Toughening of Mullite/Cordierite Laminated Composites by Transformation Weakening of Cristobalite Interphases. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 1521-1528	3.8	18
49	Microstructure and indentation fracture of dysprosium niobate. <i>Journal of Materials Research</i> , <b>2005</b> , 20, 1422-1427	2.5	1
48	Mullite (3Al <sub>2</sub> O <sub>3</sub> ·2SiO <sub>2</sub> )/Aluminum Phosphate (AlPO <sub>4</sub> ), Oxide, Fibrous Monolithic Composites. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 87, 794-803	3.8	6
47	High Temperature Microhardness of Single Crystal Mullite. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 87, 970-972	3.8	14
46	Preparation of Portland Cement Components by Poly(vinyl alcohol) Solution Polymerization. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 82, 2049-2055	3.8	61
45	Indentation-Induced Amorphization in Mullite Single Crystals. <i>Journal of the American Ceramic Society</i> , <b>2003</b> , 86, 1821-1822	3.8	15
44	Mullite/Aluminum Phosphate Laminated Composite Fabricated by Tape Casting. <i>Journal of the American Ceramic Society</i> , <b>2003</b> , 86, 1962-1964	3.8	17



43	Complete Elastic Tensor for Mullite ( $\sim 2.5\text{Al}_2\text{O}_3\text{-SiO}_2$ ) to High Temperatures Measured from Textured Fibers. <i>Journal of the American Ceramic Society</i> , <b>2002</b> , 85, 2005-2012	3.8	22
42	Hot-stage transmission electron microscopy study of phase transformations in hexacelsian ( $\text{BaAl}_2\text{Si}_2\text{O}_8$ ). <i>Journal of Materials Research</i> , <b>2002</b> , 17, 1287-1297	2.5	5
41	Toughened Oxide Composites Based on Porous Alumina-Platelet Interphases. <i>Journal of the American Ceramic Society</i> , <b>2001</b> , 84, 767-774	3.8	18
40	Crystallization kinetics of yttrium aluminum garnet ( $\text{Y}_3\text{Al}_5\text{O}_{12}$ ). <i>Journal of Materials Research</i> , <b>2001</b> , 16, 1795-1805	2.5	50
39	Crystallization Mechanism of Amorphous Mullite and the $\text{Al}_2\text{O}_3\text{-SiO}_2$ Phase Diagram. <i>Materials Research Society Symposia Proceedings</i> , <b>2001</b> , 702, 1		2
38	TEM Characterization of Pseudotetragonal Mullite. <i>Microscopy and Microanalysis</i> , <b>2001</b> , 7, 426-427	0.5	
37	Synthesis of oxide powders by way of a polymeric steric entrapment precursor route. <i>Journal of Materials Research</i> , <b>1999</b> , 14, 3417-3426	2.5	100
36	Crystallography and microstructural studies of phase transformations in the $\text{Dy}_2\text{O}_3$ system. <i>Journal of Materials Research</i> , <b>1998</b> , 13, 2920-2931	2.5	8
35	Bonding behavior of Cu/CuO thick film on a low-firing ceramic substrate. <i>Journal of Materials Research</i> , <b>1997</b> , 12, 2411-2418	2.5	9
34	On the role of deformation twinning in domain reorganization and grain reorientation in ferroelastic crystals. <i>Journal of Materials Research</i> , <b>1997</b> , 12, 1771-1776	2.5	21
33	Properties and Microstructure of Molybdenum Disilicide $\text{-SiAlON}$ Particulate Ceramic Composites. <i>Journal of the American Ceramic Society</i> , <b>1997</b> , 80, 2837-2843	3.8	14
32	Stereological Observations of Platelet-Reinforced Mullite- and Zirconia-Matrix Composites. <i>Journal of the American Ceramic Society</i> , <b>1996</b> , 79, 3273-3281	3.8	10
31	Characterization of Yttrium Phosphate and a Yttrium Phosphate/Yttrium Aluminate Laminate. <i>Journal of the American Ceramic Society</i> , <b>1995</b> , 78, 3121-3124	3.8	50
30	A transmission electron microscopy study on the decomposition of synthetic hillebrandite ( $\text{Ca}_2\text{SiO}_4 \cdot \text{H}_2\text{O}$ ). <i>Journal of Materials Research</i> , <b>1995</b> , 10, 3084-3095	2.5	2
29	X-ray photoelectron spectroscopy studies of bond structure between polyvinyl alcohol and a titanate cross-coupling agent. <i>Journal of Materials Research</i> , <b>1995</b> , 10, 1565-1571	2.5	13
28	Phase Stability of Chemically Derived Enstatite ( $\text{MgSiO}_3$ ) Powders. <i>Journal of the American Ceramic Society</i> , <b>1994</b> , 77, 2625-2631	3.8	22
27	Mechanical Properties and Microstructure of $\text{Ca}_2\text{SiO}_4\text{-CaZrO}_3$ Composites. <i>Journal of the American Ceramic Society</i> , <b>1994</b> , 77, 65-72	3.8	21
26	Chemical Synthesis and Characterization of Calcium Aluminate Powders. <i>Journal of the American Ceramic Society</i> , <b>1994</b> , 77, 531-539	3.8	90

25	Chemically Bonded Ceramics as an Alternative to High Temperature Composite Processing. <i>Materials Research Society Symposia Proceedings</i> , <b>1994</b> , 346, 511		6
24	Chemically Bonded Ceramic Matrix Composites: Densification and Conversion to Diffusion Bonding. <i>Materials Research Society Symposia Proceedings</i> , <b>1994</b> , 365, 67		
23	TEM study of synthetic hillebrandite ( $\text{Ca}_2\text{SiO}_4 \cdot \text{H}_2\text{O}$ ). <i>Journal of Materials Research</i> , <b>1993</b> , 8, 2948-2953	2.5	5
22	Phase Transformations in Dicalcium Silicate: III, Effects of Barium on the Stability of Fine-Grained $\beta$ and $\beta'$ Phases. <i>Journal of the American Ceramic Society</i> , <b>1993</b> , 76, 2628-2634	3.8	12
21	Interfacial structure and chemistry in a ceramic/polymer composite material. <i>Journal of Materials Research</i> , <b>1992</b> , 7, 1545-1552	2.5	19
20	Physical Stabilization of the $\beta$ Transformation in Dicalcium Silicate. <i>Journal of the American Ceramic Society</i> , <b>1992</b> , 75, 1621-1627	3.8	90
19	Phase Transformations in Dicalcium Silicate: I, Fabrication and Phase Stability of Fine-Grained $\beta$ Phase. <i>Journal of the American Ceramic Society</i> , <b>1992</b> , 75, 2400-2406	3.8	48
18	Phase Transformations in Dicalcium Silicate: II, TEM Studies of Crystallography, Microstructure, and Mechanisms. <i>Journal of the American Ceramic Society</i> , <b>1992</b> , 75, 2407-2419	3.8	89
17	Investigation of Plasma-Sprayed Dysprosia Coatings. <i>Journal of the American Ceramic Society</i> , <b>1989</b> , 72, 2023-2026	3.8	5
16	Possible Alternative Transformation Tougheners to Zirconia: Crystallographic Aspects. <i>Journal of the American Ceramic Society</i> , <b>1988</b> , 71, 1021-1030	3.8	109
15	Analytical Electron Microscopic Studies of Doped Dicalcium Silicates. <i>Journal of the American Ceramic Society</i> , <b>1988</b> , 71, 713-719	3.8	28
14	Microstructure and Interfacial Properties of Laser Ablation Coated, Fiber-Reinforced Ceramic Composite. <i>Ceramic Engineering and Science Proceedings</i> , 105-112	0.1	1
13	Concepts for Energy Absorption and Dissipation in Ceramic Armor	57-70	
12	Design of Oxide Composites with Debonding Interphases. <i>Ceramic Transactions</i> , 69-88	0.1	
11	Fabrication and Grain Growth in YAG and Mullite Fibers. <i>Ceramic Transactions</i> , 27-45	0.1	
10	Microstructure and Mechanical Evaluation of Yttrium Phosphate-Containing and Lanthanum Phosphate-Containing Zirconia Laminates. <i>Ceramic Engineering and Science Proceedings</i> , 129-136	0.1	7
9	Synthesis of Low-Firing Anorthite Powder by the Steric-Entrapment Route. <i>Ceramic Engineering and Science Proceedings</i> , 33-40	0.1	6
8	A SiC/Combustion-Synthesized $\beta$ -SiALON Composite. <i>Ceramic Engineering and Science Proceedings</i> , 1154-1163	0.1	2



7	An Experimental Study on the Effects of SiC on the Sintering and Mechanical Properties of Cr <sub>3</sub> C <sub>2</sub> -NiCr Cermets. <i>Ceramic Engineering and Science Proceedings</i> ,271-279	0.1	1
6	The Effect of Basalt Chopped Fiber Reinforcement on the Mechanical Properties of Potassium Based Geopolymer. <i>Ceramic Engineering and Science Proceedings</i> ,31-42	0.1	17
5	Potassium Geopolymer Reinforced with Alkali-Treated Figue. <i>Ceramic Engineering and Science Proceedings</i> ,61-78	0.1	10
4	Rice Husk Ash as a Silica Source in a Geopolymer Formulation. <i>Ceramic Engineering and Science Proceedings</i> ,87-101	0.1	12
3	Properties Of Granite Powder Reinforced Potassium Geopolymer. <i>Ceramic Engineering and Science Proceedings</i> ,1-10	0.1	2
2	Ceramic Felt Reinforced Geopolymer Composites. <i>Ceramic Engineering and Science Proceedings</i> ,11-19	0.1	4
1	Processing and Microstructure of a Ce-Doped IN SITU O <sup>+</sup> -SiAlON Composite. <i>Ceramic Engineering and Science Proceedings</i> ,1128-1137	0.1	