

Michael K Cinibulk

List of Publications by Citations

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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.

43 papers	2,143 citations	25 h-index	43 g-index
43 ext. papers	2,270 ext. citations	3.1 avg, IF	4.6 L-index

#	Paper	IF	Citations
43	Interface Design for Oxidation-Resistant Ceramic Composites. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 2599-2632	3.8	227
42	Statistical Analysis of the Intergranular Film Thickness in Silicon Nitride Ceramics. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 1969-1977	3.8	226
41	Calcium Concentration Dependence of the Intergranular Film Thickness in Silicon Nitride. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 911-914	3.8	156
40	Fabrication and Secondary-Phase Crystallization of Rare-Earth Disilicate/Silicon Nitride Ceramics. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 2037-2043	3.8	137
39	Strength and Creep Behavior of Rare-Earth Disilicate/Silicon Nitride Ceramics. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 2050-2055	3.8	133
38	Grain-Boundary-Phase Crystallization and Strength of Silicon Nitride Sintered with a Y-SiAlON Glass. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 1606-1612	3.8	118
37	Oxidation Behavior of Rare-Earth Disilicate/Silicon Nitride Ceramics. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 2044-2049	3.8	97
36	Effectiveness of Monazite Coatings in Oxide/Oxide Composites after Long-Term Exposure at High Temperature. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 325-332	3.8	91
35	Textured Magnetoplumbite Fiber-Matrix Interphase Derived from Sol-Gel Fiber Coatings. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 1233-1246	3.8	89
34	Quantitative Comparison of TEM Techniques for Determining Amorphous Intergranular Film Thickness. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 426-432	3.8	80
33	Oxidation Resistance of Hafnium Diboride Ceramics with Additions of Silicon Carbide and Tungsten Boride or Tungsten Carbide. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 2600-2607	3.8	62
32	Thermal and Oxidation Response of UHTC Leading Edge Samples Exposed to Simulated Hypersonic Flight Conditions. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 907-915	3.8	58
31	Magnetoplumbite Compounds as a Fiber Coating in Oxide/Oxide Composites. <i>Ceramic Engineering and Science Proceedings</i> , 721-728	0.1	55
30	Preparation of Thin Sections of Coated Fibers for Characterization by Transmission Electron Microscopy. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 2481-2484	3.8	52
29	Characterization of Oxidized Polymer-Derived SiBCN Fibers. <i>Journal of the American Ceramic Society</i> , 2004 , 84, 2197-2202	3.8	50
28	Hexaaluminates as a cleavable fiber/matrix interphase: synthesis, texture development, and phase compatibility. <i>Journal of the European Ceramic Society</i> , 2000 , 20, 569-582	6	44
27	Amorphous Intergranular Films in Silicon Nitride Ceramics Quenched from High Temperatures. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 2801-2808	3.8	44

26	TEM specimen preparation and characterization of ceramic coatings on fiber tows. <i>Thin Solid Films</i> , 1997 , 308-309, 389-392	2.2	40
25	Effect of Precursors and Dopants on the Synthesis and Grain Growth of Calcium Hexaluminate. <i>Journal of the American Ceramic Society</i> , 1998 , 81, 3157-3168	3.8	38
24	Synthesis and characterization of sol-gel derived lanthanum hexaluminate powders and films. <i>Journal of Materials Research</i> , 1995 , 10, 71-76	2.5	38
23	Rare-Earth Disilicates As Oxidation-Resistant Fiber Coatings for Silicon Carbide Ceramic Matrix Composites. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 1716-1724	3.8	30
22	Fabrication and Testing of Oxide/Oxide Microcomposites with Monazite and Hibonite as Interlayers. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 3575-3583	3.8	30
21	Processing of fiber-reinforced ultra-high temperature ceramic composites: A review. <i>International Journal of Ceramic Engineering & Science</i> , 2020 , 2, 22-37	2	26
20	Microstructure and Mechanical Behavior of an Hibonite Interphase in Alumina-Based Composites. <i>Ceramic Engineering and Science Proceedings</i> , 633-641	0.1	26
19	Deposition of Oxide Coatings on Fiber Cloths by Electrostatic Attraction. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 453-460	3.8	25
18	Effect of Yttria and Yttrium-Aluminum Garnet on Densification and Grain Growth of Alumina At 1200–1300°C. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 692-695	3.8	23
17	Development and Characterization of Continuous SiC Fiber-Reinforced HfB ₂ -Based UHTC Matrix Composites Using Polymer Impregnation and Slurry Infiltration Techniques. <i>International Journal of Applied Ceramic Technology</i> , 2015 , 12, 235-244	2	22
16	Porous Yttrium Aluminum Garnet Fiber Coatings for Oxide Composites. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 2703-2710	3.8	19
15	High-Temperature Stability of Lanthanum Orthophosphate (Monazite) on Silicon Carbide at Low Oxygen Partial Pressures. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 2290-2297	3.8	16
14	Effect of Yttrium Aluminum Garnet Additions on Alumina-Fiber-Reinforced Porous-Alumina-Matrix Composites. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 881-887	3.8	15
13	Processing and Testing of RE ₂ Si ₂ O ₇ Fiber Matrix Interphases for SiC/SiC Composites. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 415-423	3.8	15
12	Effect of divalent cations on the synthesis of citrate-gel-derived lanthanum hexaluminate powders and films. <i>Journal of Materials Research</i> , 1999 , 14, 3581-3593	2.5	13
11	Evaluation of SiC/SiC minicomposites with yttrium disilicate fiber coating. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 91-102	3.8	13
10	Evaluation of Monazite Fiber Coatings in Dense Matrix Composites. <i>Ceramic Engineering and Science Proceedings</i> , 451-461	0.1	10
9	Sol-Gel Coating of Nicalon Fiber Cloths		9

8	Reactions between Hot-Pressed Calcium Hexaluminate and Silicon Carbide in the Presence of Oxygen. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 2789-2798	3.8	6
7	Development of Continuous SiC Fiber Reinforced HfB ₂ -SiC Composites for Aerospace Applications. <i>Ceramic Transactions</i> ,1-12	0.1	5
6	SiC/SiC mini-composites with yttrium disilicate fiber coatings: Oxidation in steam. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 3132-3140	6	4
5	Modeling and Evaluating the Environmental Degradation of UHTCs under Hypersonic Flow 2014 , 267-290		1
4	Microstructure of the Oxidized Surface of Rare-Earth Disilicate - Silicon Nitride Ceramics. <i>Proceedings Annual Meeting Electron Microscopy Society of America</i> , 1991 , 49, 928-929		
3	Monazite Fiber Coatings for Oxide Composites. <i>Ceramic Transactions</i> ,33-42	0.1	
2	Oxide Fiber Coatings for Silicon Carbide Ceramic Matrix Composites. <i>Ceramic Engineering and Science Proceedings</i> ,1-14	0.1	
1	Processing and Testing Re ₂ Si ₂ O ₇ Matrix Composites. <i>Ceramic Engineering and Science Proceedings</i> ,233-242		