

# William Fahrenheitz

## List of Publications by Citations

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227  
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100  
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244  
ext. papers

12,389  
ext. citations

4.5  
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6.81  
L-index

#	Paper	IF	Citations
227	Refractory Diborides of Zirconium and Hafnium. <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 90, 1347-1364	3.864	1444
226	High-Strength Zirconium Diboride-Based Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 87, 1170-1172	3.8	652
225	Thermodynamic Analysis of ZrB <sub>2</sub> SiC Oxidation: Formation of a SiC-Depleted Region. <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 90, 143-148	3.8	346
224	UHTCs: Ultra-High Temperature Ceramic Materials for Extreme Environment Applications. <i>Electrochemical Society Interface</i> , <b>2007</b> , 16, 30-36	3.6	335
223	Ultra-high temperature ceramics: Materials for extreme environments. <i>Scripta Materialia</i> , <b>2017</b> , 129, 94-99	5.6	318
222	Evolution of structure during the oxidation of zirconium diboride-silicon carbide in air up to 1500 °C. <i>Journal of the European Ceramic Society</i> , <b>2007</b> , 27, 2495-2501	6	313
221	Pressureless Densification of Zirconium Diboride with Boron Carbide Additions. <i>Journal of the American Ceramic Society</i> , <b>2006</b> , 89, 1544-1550	3.8	262
220	Pressureless Sintering of Zirconium Diboride. <i>Journal of the American Ceramic Society</i> , <b>2006</b> , 89, 450-456	3.8	253
219	Influence of silicon carbide particle size on the microstructure and mechanical properties of zirconium diboride-silicon carbide ceramics. <i>Journal of the European Ceramic Society</i> , <b>2007</b> , 27, 2077-2083 <sup>6</sup>	3.6	250
218	Thermophysical Properties of ZrB <sub>2</sub> and ZrB <sub>2</sub> SiC Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 1405-1411	3.8	235
217	Effect of hot pressing time and temperature on the microstructure and mechanical properties of ZrB <sub>2</sub> SiC. <i>Journal of Materials Science</i> , <b>2007</b> , 42, 2735-2744	4.3	214
216	The ZrB <sub>2</sub> Volatility Diagram. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 3509-3512	3.8	187
215	Characterization of cerium-based conversion coatings for corrosion protection of aluminum alloys. <i>Surface and Coatings Technology</i> , <b>2002</b> , 155, 208-213	4.4	160
214	Pressureless Sintering of Zirconium Diboride: Particle Size and Additive Effects. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 1398-1404	3.8	158
213	Thermal shock resistance of ZrB <sub>2</sub> and ZrB <sub>2</sub> B <sub>2</sub> O <sub>7</sub> SiC. <i>Materials Chemistry and Physics</i> , <b>2008</b> , 112, 140-145	4.4	157
212	Oxidation of ultra-high temperature transition metal diboride ceramics. <i>International Materials Reviews</i> , <b>2012</b> , 57, 61-72	16.1	152
211	Processing and characterization of ZrB <sub>2</sub> -based ultra-high temperature monolithic and fibrous monolithic ceramics. <i>Journal of Materials Science</i> , <b>2004</b> , 39, 5951-5957	4.3	147

210	Pressureless sintering of carbon-coated zirconium diboride powders. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2007</b> , 459, 167-171	5.3	136
209	Pressureless Sintering of Zirconium Diboride Using Boron Carbide and Carbon Additions. <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 90, 3660-3663	3.8	134
208	Oxidation of Zirconium Diboride-Silicon Carbide at 1500°C at a Low Partial Pressure of Oxygen. <i>Journal of the American Ceramic Society</i> , <b>2006</b> , 89, 3240-3245	3.8	134
207	Pressureless sintering of carbon nanotube-Al <sub>2</sub> O <sub>3</sub> composites. <i>Journal of the European Ceramic Society</i> , <b>2010</b> , 30, 1373-1380	6	120
206	Hot Pressing of Tantalum Carbide With and Without Sintering Additives. <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 90, 393-401	3.8	120
205	Pressureless Sintering of ZrB <sub>2</sub> -SiC Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 91, 26-32	3.8	120
204	Low-Temperature Densification of Zirconium Diboride Ceramics by Reactive Hot Pressing. <i>Journal of the American Ceramic Society</i> , <b>2006</b> , 89, 3638-3645	3.8	110
203	Deposition and characterization of cerium oxide conversion coatings on aluminum alloy 7075-T6. <i>Surface and Coatings Technology</i> , <b>2004</b> , 176, 349-356	4.4	102
202	Mechanical behavior of zirconium diboride-silicon carbide-boron carbide ceramics up to 2200 °C. <i>Journal of the European Ceramic Society</i> , <b>2015</b> , 35, 463-476	6	101
201	Fabrication and properties of reactively hot pressed ZrB <sub>2</sub> -SiC ceramics. <i>Journal of the European Ceramic Society</i> , <b>2007</b> , 27, 2729-2736	6	101
200	Synthesis, densification, and mechanical properties of TaB <sub>2</sub> . <i>Materials Letters</i> , <b>2008</b> , 62, 4251-4253	3.3	95
199	Densification and mechanical properties of TaC-based ceramics. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2009</b> , 501, 37-43	5.3	90
198	Strength of Zirconium Diboride to 2300°C. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 47-50	3.8	88
197	The effect of post-treatment time and temperature on cerium-based conversion coatings on Al 2024-T3. <i>Corrosion Science</i> , <b>2010</b> , 52, 360-368	6.8	87
196	Mechanical properties of sintered ZrB <sub>2</sub> -SiC ceramics. <i>Journal of the European Ceramic Society</i> , <b>2011</b> , 31, 893-901	6	86
195	Improved Oxidation Resistance of Zirconium Diboride by Tungsten Carbide Additions. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 3530-3535	3.8	86
194	Reactive hot pressing of zirconium diboride. <i>Journal of the European Ceramic Society</i> , <b>2009</b> , 29, 3401-3408		82
193	Densification, Mechanical Properties, and Oxidation Resistance of TaC-TaB <sub>2</sub> Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 4129-4132	3.8	80

192	Mechanical behavior of zirconium diboride-silicon carbide ceramics at elevated temperature in air. <i>Journal of the European Ceramic Society</i> , <b>2013</b> , 33, 2889-2899	6	78
191	Cerium-based oxide coatings. <i>Current Opinion in Solid State and Materials Science</i> , <b>2015</b> , 19, 69-76	12	76
190	Measurement of thermal residual stresses in ZrB <sub>2</sub> -SiC composites. <i>Journal of the European Ceramic Society</i> , <b>2011</b> , 31, 1811-1820	6	74
189	Effect of Starting Particle Size and Oxygen Content on Densification of ZrB <sub>2</sub> . <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 429-435	3.8	71
188	Super-strong materials for temperatures exceeding 2000 °C. <i>Scientific Reports</i> , <b>2017</b> , 7, 40730	4.9	68
187	Mechanical Characterization of ZrB <sub>2</sub> -SiC Composites with Varying SiC Particle Sizes. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 4410-4418	3.8	67
186	Effects of acid and alkaline based surface preparations on spray deposited cerium based conversion coatings on Al 2024-T3. <i>Applied Surface Science</i> , <b>2009</b> , 255, 4061-4065	6.7	64
185	Microwave sintering of a ZrB <sub>2</sub> -SiC particulate ceramic composite. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2008</b> , 39, 449-453	8.4	64
184	Zirconium Carbide-Tungsten Cermets Prepared by In Situ Reaction Sintering. <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 90, 1930-1933	3.8	63
183	Enhanced densification and mechanical properties of ZrB <sub>2</sub> -SiC processed by a preceramic polymer coating route. <i>Scripta Materialia</i> , <b>2008</b> , 59, 123-126	5.6	62
182	Low-temperature sintering of single-phase, high-entropy carbide ceramics. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 7217-7224	3.8	61
181	Microstructure and mechanical characterization of ZrC-Mo cermets produced by hot isostatic pressing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2008</b> , 497, 79-86	5.3	57
180	Borate Volatility from SOFC Sealing Glasses. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 2564-2569	3.8	57
179	A novel freeform extrusion fabrication process for producing solid ceramic components with uniform layered radiation drying. <i>Additive Manufacturing</i> , <b>2017</b> , 15, 102-112	6.1	56
178	Temperature Jump Phenomenon During Plasmatron Testing of ZrB <sub>2</sub> -SiC Ultrahigh-Temperature Ceramics. <i>Journal of Thermophysics and Heat Transfer</i> , <b>2012</b> , 26, 559-572	1.3	55
177	Freeze-form extrusion fabrication of ceramic parts. <i>Virtual and Physical Prototyping</i> , <b>2006</b> , 1, 93-100	10.1	55
176	Stress measurements in ZrB <sub>2</sub> -SiC composites using Raman spectroscopy and neutron diffraction. <i>Journal of the European Ceramic Society</i> , <b>2010</b> , 30, 2165-2171	6	53
175	A Novel Approach to Developing Biomimetic ("Nacre-Like") Metal-Compliant-Phase (Nickel-Alumina) Ceramics through Coextrusion. <i>Advanced Materials</i> , <b>2016</b> , 28, 10061-10067	24	53

174	Al <sub>2</sub> O <sub>3</sub> /Ti Composites with High Strength and Fracture Toughness. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 83, 1279-1280	3.8	52
173	Silicon carbide/Titanium diboride ceramic composites. <i>Journal of the European Ceramic Society</i> , <b>2013</b> , 33, 2943-2951	6	48
172	Zirconium Diboride with High Thermal Conductivity. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 1689-1691	3.8	44
171	Thermal Properties of (Zr,TM)B <sub>2</sub> Solid Solutions with TM=Hf, Nb, W, Ti, and Y. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 1552-1558	3.8	44
170	TEM investigation of hot pressed -10 vol.%SiC/ZrB <sub>2</sub> composite. <i>Advances in Applied Ceramics</i> , <b>2011</b> , 110, 1-7	2.3	44
169	Oxidation of ZrB <sub>2</sub> -SiC Ultrahigh-Temperature Ceramic Composites in Dissociated Air. <i>Journal of Thermophysics and Heat Transfer</i> , <b>2009</b> , 23, 267-278	1.3	42
168	Ultra-High Temperature Mechanical Properties of a Zirconium Diboride/Zirconium Carbide Ceramic. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 597-603	3.8	42
167	Dissolution of cerium from cerium-based conversion coatings on Al 7075-T6 in 0.1 M NaCl solutions. <i>Corrosion Science</i> , <b>2012</b> , 60, 290-295	6.8	41
166	Effect of alkaline cleaning and activation on aluminum alloy 7075-T6. <i>Applied Surface Science</i> , <b>2011</b> , 257, 1859-1863	6.7	41
165	Synthesis of ultra-refractory transition metal diboride compounds. <i>Journal of Materials Research</i> , <b>2016</b> , 31, 2757-2772	2.5	41
164	The effect of a graphite addition on oxidation of ZrB <sub>2</sub> /SiC in air at 1500 °C. <i>Journal of the European Ceramic Society</i> , <b>2013</b> , 33, 413-421	6	39
163	Oxidation of Zirconium Diboride with Tungsten Carbide Additions. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 1198-1205	3.8	39
162	Dispersion of Zirconium Diboride in an Aqueous, High-Solids Paste. <i>International Journal of Applied Ceramic Technology</i> , <b>2007</b> , 4, 470-479	2	39
161	Chromate formation at the interface between a solid oxide fuel cell sealing glass and interconnect alloy. <i>Journal of Power Sources</i> , <b>2012</b> , 205, 301-306	8.9	38
160	Response of nanocrystalline cerium-based conversion coatings on Al 2024-T3 to chloride environments. <i>Materials Letters</i> , <b>2007</b> , 61, 3778-3782	3.3	38
159	Mechanical behaviour of carbon fibre reinforced TaC/SiC and ZrC/SiC composites up to 2100°C. <i>Journal of the European Ceramic Society</i> , <b>2019</b> , 39, 780-787	6	38
158	Effect of a weak fiber interface coating in ZrB <sub>2</sub> reinforced with long SiC fibers. <i>Materials and Design</i> , <b>2015</b> , 88, 610-618	8.1	36
157	Effect of Precursor Particle Size on the Densification and Crystallization Behavior of Mullite. <i>Journal of the American Ceramic Society</i> , <b>1993</b> , 76, 433-437	3.8	35

156	Strength of single-phase high-entropy carbide ceramics up to 2300°C. <i>Journal of the American Ceramic Society</i> , <b>2021</b> , 104, 419-427	3.8	34
155	Sintering Mechanisms and Kinetics for Reaction Hot-Pressed ZrB <sub>2</sub> . <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 2344-2351	3.8	33
154	Effect of Phosphate Source on Post-Treatment of Cerium-Based Conversion Coatings on Al 2024-T3. <i>Journal of the Electrochemical Society</i> , <b>2009</b> , 156, C400	3.9	33
153	Microstructure and properties of Al <sub>2</sub> O <sub>3</sub> -Al(Si) and Al <sub>2</sub> O <sub>3</sub> -Al(Si)-Si composites formed by in situ reaction of Al with aluminosilicate ceramics. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>1996</b> , 27, 2122-2129	2.3	33
152	Processing of ZrC/Mo Cermets for High-Temperature Applications, Part I: Chemical Interactions in the ZrC/Mo System. <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 90, 1998-2002	3.8	32
151	Formation of subsurface crevices in aluminum alloy 2024-T3 during deposition of cerium-based conversion coatings. <i>Surface and Coatings Technology</i> , <b>2010</b> , 204, 4095-4100	4.4	31
150	A study of size effects in bioinspired, βacre-like metal-compliant-phase (nickel-alumina) coextruded ceramics. <i>Acta Materialia</i> , <b>2018</b> , 148, 147-155	8.4	30
149	Effects of temperature and the incorporation of W on the oxidation of ZrB <sub>2</sub> ceramics. <i>Corrosion Science</i> , <b>2014</b> , 80, 221-228	6.8	29
148	Effect of gelatin additions on the corrosion resistance of cerium based conversion coatings spray deposited on Al 2024-T3. <i>Surface and Coatings Technology</i> , <b>2009</b> , 203, 3533-3540	4.4	29
147	Processing of ZrC/Mo Cermets for High Temperature Applications, Part II: Pressureless Sintering and Mechanical Properties. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 873-878	3.8	29
146	Formation of microporous silica gels from a modified silicon alkoxide. I. Base-catalyzed gels. <i>Journal of Non-Crystalline Solids</i> , <b>1992</b> , 144, 45-52	3.9	29
145	Densification Behavior and Microstructure Evolution of Hot-Pressed HfB <sub>2</sub> . <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 49-58	3.8	28
144	Thermal Shock Resistance and Fracture Behavior of ZrB <sub>2</sub> -Based Fibrous Monolith Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 161-166	3.8	28
143	Alkaline activation of Al 7075-T6 for deposition of cerium-based conversion coatings. <i>Surface and Coatings Technology</i> , <b>2011</b> , 205, 4312-4319	4.4	28
142	Plasma arc welding of ZrB <sub>2</sub> -0vol% ZrC ceramics. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 3549-3557	2.6	26
141	Titanium diboride-silicon carbide-boron carbide ceramics with super-high hardness and strength. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 497-501	3.8	25
140	Superhard Boride-Carbide Particulate Composites. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 3580-3583	3.8	25
139	Reactive Processing in Ceramic-Based Systems. <i>International Journal of Applied Ceramic Technology</i> , <b>2006</b> , 3, 1-12	2	25

138	Kinetics of Ceramic-Metal Composite Formation by Reactive Metal Penetration. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 81, 2533-2541	3.8	25
137	Two-step synthesis process for high-entropy diboride powders. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 724-730	3.8	25
136	Processing, microstructure, and mechanical properties of large-grained zirconium diboride ceramics. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2016</b> , 670, 196-204	5.3	24
135	Thermal Properties of Hf-Doped ZrB <sub>2</sub> Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 2689-2691	3.6	24
134	Near-Net-Shape Processing of Metal-Ceramic Composites by Reactive Metal Penetration. <i>Journal of the American Ceramic Society</i> , <b>1996</b> , 79, 2497-2499	3.8	24
133	Microstructural evolution and mechanical properties of (Mg,Co,Ni,Cu,Zn)O high-entropy ceramics. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 102, 2228	3.8	23
132	Processing of dense high-entropy boride ceramics. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 3815-3823	6	22
131	Characterization of Localized Surface States of Al 7075-T6 during Deposition of Cerium-Based Conversion Coatings. <i>Journal of the Electrochemical Society</i> , <b>2010</b> , 157, C282	3.9	21
130	Characterization of Cerium-Based Conversion Coatings on Al 7075-T6 Deposited from Chloride and Nitrate Salt Solutions. <i>Journal of the Electrochemical Society</i> , <b>2011</b> , 158, C88	3.9	21
129	Investigation of laser sintering for freeform fabrication of zirconium diboride parts. <i>Virtual and Physical Prototyping</i> , <b>2012</b> , 7, 25-36	10.1	21
128	Influence of fibre content on the strength of carbon fibre reinforced HfC/SiC composites up to 2100 °C. <i>Journal of the European Ceramic Society</i> , <b>2019</b> , 39, 3594-3603	6	20
127	Thermal properties and thermal shock resistance of liquid phase sintered ZrC/Mo cermets. <i>Materials Chemistry and Physics</i> , <b>2009</b> , 115, 690-695	4.4	20
126	Oxidation of zirconium diboride with niobium additions. <i>Journal of the European Ceramic Society</i> , <b>2013</b> , 33, 1591-1598	6	18
125	Microstructural evolution of cerium-based coatings on AZ31 magnesium alloys. <i>Surface and Coatings Technology</i> , <b>2014</b> , 246, 77-84	4.4	18
124	Optical Emission Spectroscopy During Plasmatron Testing of ZrB <sub>2</sub> -SiC Ultrahigh-Temperature Ceramic Composites. <i>Journal of Thermophysics and Heat Transfer</i> , <b>2009</b> , 23, 279-285	1.3	18
123	Nano-scale microstructure damage by neutron irradiations in a novel Boron-11 enriched TiB <sub>2</sub> ultra-high temperature ceramic. <i>Acta Materialia</i> , <b>2019</b> , 165, 26-39	8.4	18
122	ZrB <sub>2</sub> -MoSi <sub>2</sub> ceramics: A comprehensive overview of microstructure and properties relationships. Part I: Processing and microstructure. <i>Journal of the European Ceramic Society</i> , <b>2019</b> , 39, 1939-1947	6	18
121	The role of ceramic and glass science research in meeting societal challenges: Report from an NSF-sponsored workshop. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 1777-1803	3.8	17

120	Thermal Properties of (Zr, TM) <sub>2</sub> B <sub>2</sub> Solid Solutions with TM = Ta, Mo, Re, V, and Cr. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 637-644	3.8	17
119	Effect of carbon on the thermal and electrical transport properties of zirconium diboride. <i>Journal of the European Ceramic Society</i> , <b>2015</b> , 35, 887-896	6	16
118	Microstructural Effects on the Mechanical Properties of SiC-15 vol% TiB <sub>2</sub> Particulate-Reinforced Ceramic Composites. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 577-583	3.8	16
117	Formation of structural intermetallics by reactive metal penetration of Ti and Ni oxides and aluminates. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>1996</b> , 27, 2100-2104	2.3	16
116	A simple route to fabricate strong boride hierarchical composites for use at ultra-high temperature. <i>Composites Part B: Engineering</i> , <b>2020</b> , 183, 107618	10	16
115	Elevated Temperature Strength Enhancement of ZrB <sub>2</sub> -10 vol% SiC Ceramics by Postsintering Thermal Annealing. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 962-970	3.8	16
114	The irradiation response of ZrC ceramics under 10 MeV Au <sup>3+</sup> ion irradiation at 800 °C. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 1791-1800	6	15
113	A modified phase-field model for quantitative simulation of crack propagation in single-phase and multi-phase materials. <i>Engineering Fracture Mechanics</i> , <b>2018</b> , 200, 339-354	4.2	15
112	Plasma Arc Welding of TiB <sub>2</sub> -10 vol% TiC. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 56-59	3.8	15
111	Effect of Carbon and Oxygen on the Densification and Microstructure of Hot Pressed Zirconium Diboride. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 3622-3630	3.8	15
110	Reaction Processing of Ultra-High Temperature W/Ta <sub>2</sub> C-Based Cermets. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 1966-1971	3.8	15
109	Processing of Carbon Nanofiber Reinforced ZrB <sub>2</sub> Matrix Composites for Aerospace Applications. <i>Advanced Engineering Materials</i> , <b>2010</b> , 12, 623-626	3.5	15
108	Transmission electron microscopy study of interfacial microstructure formed by reacting Al/Mg alloy with mullite at high temperature. <i>Acta Materialia</i> , <b>1999</b> , 47, 3099-3104	8.4	15
107	Densification behavior of ZrB <sub>2</sub> -MoSi <sub>2</sub> ceramics: The formation and evolution of core-shell solid solution structures. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 779, 950-961	5.7	15
106	Densification, microstructure, and mechanical properties of ZrC/BiC ceramics. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 5786-5795	3.8	14
105	Chemical and structural analyses of subsurface crevices formed during spontaneous deposition of cerium-based conversion coatings. <i>Materials Characterization</i> , <b>2011</b> , 62, 1071-1075	3.9	14
104	Sintering and Densification Mechanisms of Ultra-High Temperature Ceramics <b>2014</b> , 112-143		13
103	Photo-assisted reduction in nanostructured cerium-based coatings. <i>Scripta Materialia</i> , <b>2013</b> , 69, 489-492	5.6	13



102	Thermal Shock Resistance of an AlNBN <sub>2</sub> SiC Ceramic. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 1358-1361	3.8	13
101	Screening study of spray solution parameters for depositing cerium-based conversion coatings on Al alloy 2024-T3. <i>Journal of Applied Electrochemistry</i> , <b>2010</b> , 40, 551-559	2.6	13
100	Mechanical properties of reactively processed W/Ta <sub>2</sub> C-based composites. <i>Journal of the European Ceramic Society</i> , <b>2010</b> , 30, 2197-2201	6	13
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19	Modeling of Oxidation Effects on Heat Transfer Behavior of ZrB <sub>2</sub> and ZrB <sub>2</sub> -SiC Ceramics at High Temperature <b>2012</b> ,		1
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