Young-Wook Kim

List of Publications by Year in Descending Order

292 papers	6,970 citations	42 h-index	61 g-index
300 ext. papers	7,827 ext. citations	3.9 avg, IF	6.35 L-index

#	Paper	IF	Citations
292	MicroStructural Hierarchy Descriptor (SHD) Property correlations of silicon carbide ceramics. *Journal of the European Ceramic Society*, **2022**, 42, 801-819	6	
291	Processing and properties of water-absorbing zeolite-based porous ceramics. *Journal of the Korean Ceramic Society*, **2022**, 59, 94	2.2	1
290	Sub-surface microstructural investigation for establishing micro-mechanisms of wear in sliding of SiC and SiC-WC ceramics. *Wear*, **2022**, 492-493, 204236	3.5	
289	New quaternary additive for processing fully ceramic microencapsulated fuels without applied pressure. *Journal of the European Ceramic Society*, **2022**, 42, 1238-1248	6	0
288	Processing of fully ceramic microencapsulated fuels with a small amount of additives by hot-pressing. *Journal of the European Ceramic Society*, **2021**, 41, 3980-3990	6	3
287	Effects of dopants on electrical, thermal, and mechanical properties of porous SiC ceramics. *Journal of the European Ceramic Society*, **2021**, 41, 4006-4015	6	7
286	Low thermal conductivity in porous SiC SiO2 Al2O3 TiO2 ceramics induced by multiphase thermal resistance. *Ceramics International*, **2021**, 47, 20161-20168	5.1	0
285	Plastic deformation-induced improved mechanical and thermal properties in hot-forged SiC-TiC composite. *Journal of the European Ceramic Society*, **2021**, 41, 213-224	6	3
284	Multiple thermal resistance induced extremely low thermal conductivity in porous SiC-SiO2 ceramics with hierarchical porosity. *Journal of the European Ceramic Society*, **2021**, 41, 1171-1180	6	7
283	Effects of initial particle size on mechanical, thermal, and electrical properties of porous SiC ceramics. *Ceramics International*, **2021**, 47, 8668-8676	5.1	5
282	Intrinsic microstructures of silica-bonded porous nano-SiC ceramics. *Journal of the American Ceramic Society*, **2021**, 104, 706-710	3.8	4
281	Effect of AlN addition on the electrical resistivity of pressureless sintered SiC ceramics with B4C and C. *Journal of the American Ceramic Society*, **2021**, 104, 6086	3.8	1
280	Electrical resistivity at the micron scale in a polycrystalline SiC ceramic. *Ceramics International*, **2021**, 47, 27100-27106	5.1	0
279	Influence of sintering atmosphere and BN additives on microstructure and properties of porous SiC ceramics. *Journal of the European Ceramic Society*, **2021**, 41, 6925-6933	6	0
278	SiC Ceramics, Structure, Processing and Properties **2021**, 150-164		0
277	Electrical, thermal, and mechanical properties of porous SiC-nitride composites. *Journal of the European Ceramic Society*, **2020**, 40, 3851-3862	6	7
276	Mechanical, thermal, and electrical properties of pressureless sintered SiC AlN ceramics. *Ceramics International*, **2020**, 46, 19264-19273	5.1	7

275	Effects of carbon and silicon on electrical, thermal, and mechanical properties of porous silicon carbide ceramics. *Ceramics International*, **2020**, 46, 15594-15603	5.1	12
274	Effect of additive content on the mechanical and thermal properties of pressureless liquid-phase sintered SiC. *Journal of Asian Ceramic Societies*, **2020**, 8, 448-459	2.4	9
273	Tuning the electrical, thermal, and mechanical properties of SiC-BN composites using sintering additives. *Journal of Asian Ceramic Societies*, **2020**, 8, 353-364	2.4	3
272	High interfacial thermal resistance induced low thermal conductivity in porous SiC-SiO2 composites with hierarchical porosity. *Journal of the European Ceramic Society*, **2020**, 40, 594-602	6	32
271	Highly electrically and thermally conductive silicon carbide-graphene composites with yttria and scandia additives. *Journal of the European Ceramic Society*, **2020**, 40, 241-250	6	10
270	Effects of porosity on electrical and thermal conductivities of porous SiC ceramics. *Journal of the European Ceramic Society*, **2020**, 40, 996-1004	6	31
269	Processing and properties of silica-bonded porous nano-SiC ceramics with extremely low thermal conductivity. *Journal of the European Ceramic Society*, **2020**, 40, 2623-2633	6	24
268	Influence of temperature, impact angle and h-BN content on the erosive wear behavior of hot-pressed SiC-BN composites. *Wear*, **2020**, 458-459, 203447	3.5	1
267	Pressureless sintering of fully ceramic microencapsulated fuels. *Journal of the European Ceramic Society*, **2020**, 40, 5180-5185	6	5
266	Electrical properties of liquid-phase sintered silicon carbide ceramics: a review. *Critical Reviews in Solid State and Materials Sciences*, **2020**, 45, 66-84	10.1	23
265	Effects of M2O3–Y2O3 (M = Sc and Al) additives on electrical conductivity of hot-pressed SiC ceramics. *Ceramics International*, **2020**, 46, 5454-5458	5.1	6
264	Thermal and electrical properties of additive-free rapidly hot-pressed SiC ceramics. *Journal of the European Ceramic Society*, **2020**, 40, 234-240	6	10
263	Open-celled silicon carbide foams with high porosity from boron-modified polycarbosilanes. *Journal of the European Ceramic Society*, **2019**, 39, 5114-5122	6	13
262	Pressureless sintered silicon carbide matrix with a new quaternary additive for fully ceramic microencapsulated fuels. *Journal of the European Ceramic Society*, **2019**, 39, 3971-3980	6	15
261	Low temperature pressureless sintering of silicon carbide ceramics with alumina–yttria–magnesia-calcia. *Journal of the Ceramic Society of Japan*, **2019**, 127, 207-214	1	16
260	Mechanical properties of silicon carbide–in situ zirconium carbonitride composites. *International Journal of Applied Ceramic Technology*, **2019**, 16, 1304-1313	2	8
259	Effects of polysiloxane on thermal conductivity and compressive strength of porous silica ceramics. *Ceramics International*, **2019**, 45, 21270-21277	5.1	23
258	Direct bonding of silicon carbide ceramics sintered with yttria. *Journal of the European Ceramic Society*, **2019**, 39, 4487-4494	6	10

257	Joining of silicon carbide ceramics using a silicon carbide tape. *International Journal of Applied Ceramic Technology*, **2019**, 16, 1295-1303	2	7
256	Carrier Depletion near the Grain Boundary of a SiC Bicrystal. *Scientific Reports*, **2019**, 9, 18014	4.9	8
255	Processing of silicon-derived silica-bonded silicon carbide membrane supports. *Ceramics International*, **2019**, 45, 2161-2169	5.1	17
254	Electrically conductive SiC ceramics processed by pressureless sintering. *International Journal of Applied Ceramic Technology*, **2019**, 16, 843-849	2	20
253	Mechanical and thermal properties of silicon carbide ceramics with yttria–scandia–magnesia. *Journal of the European Ceramic Society*, **2019**, 39, 144-149	6	20
252	Tribology of WC reinforced SiC ceramics: Influence of counterbody. *Friction*, **2019**, 7, 129-142	5.6	19
251	Electrical and mechanical properties of pressureless sintered SiC-Ti2CN composites. *Journal of the European Ceramic Society*, **2018**, 38, 3064-3072	6	15
250	Improved electrical and thermal conductivities of polysiloxane-derived silicon oxycarbide ceramics by barium addition. *Journal of the European Ceramic Society*, **2018**, 38, 487-493	6	23
249	Process-tolerant pressureless-sintered silicon carbide ceramics with alumina-yttria-calcia-strontia. *Journal of the European Ceramic Society*, **2018**, 38, 445-452	6	17
248	Micro electrical discharge drilling characteristics of conductive SiC–Ti2CN composite. *Journal of Mechanical Science and Technology*, **2018**, 32, 3351-3358	1.6	2
247	Grain-growth-induced high electrical conductivity in SiC–BN composites. *Ceramics International*, **2018**, 44, 16394-16399	5.1	17
246	Highly resistive SiC ceramics sintered with Al2O3-AlN-Y2O3 additions. *Ceramics International*, **2017**, 43, 5343-5346	5.1	20
245	High thermal conductivity of spark plasma sintered silicon carbide ceramics with yttria and scandia. *Journal of the American Ceramic Society*, **2017**, 100, 1290-1294	3.8	37
244	Processing of alumina-coated glass-bonded silicon carbide membranes for oily wastewater treatment. *International Journal of Applied Ceramic Technology*, **2017**, 14, 692-702	2	21
243	Effect of grain growth on the thermal conductivity of liquid-phase sintered silicon carbide ceramics. *Journal of the European Ceramic Society*, **2017**, 37, 3475-3481	6	45
242	Spark Plasma Sintering of Highly Transparent Hydroxyapatite Ceramics. *Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy*, **2017**, 64, 547-551	0.2	8
241	Room and high temperature reciprocated sliding wear behavior of SiC-WC composites. *Ceramics International*, **2017**, 43, 16827-16834	5.1	12
240	Effect of impingement angle and WC content on high temperature erosion behavior of SiC-WC composites. *International Journal of Refractory Metals and Hard Materials*, **2017**, 68, 166-171	4.1	12

239	Microstructure and high-temperature strength of silicon carbide with 2000 ppm yttria. *Journal of the European Ceramic Society*, **2017**, 37, 4449-4455	6	27
238	Formation of ZIF-8 membranes inside porous supports for improving both their H2/CO2 separation performance and thermal/mechanical stability. *Journal of Membrane Science*, **2017**, 540, 430-439	9.6	32
237	Processing and properties of glass-bonded silicon carbide membrane supports. *Journal of the European Ceramic Society*, **2017**, 37, 1225-1232	6	33
236	Electrical and thermal properties of SiC-Zr 2 CN composites sintered with Y 2 O 3 -Sc 2 O 3 additives. *Journal of the European Ceramic Society*, **2017**, 37, 477-484	6	13
235	Low-temperature spark plasma sintering of alumina by using SiC molding set. *Journal of the Ceramic Society of Japan*, **2016**, 124, 1141-1145	1	9
234	Conductive SiC ceramics fabricated by spark plasma sintering. *Ceramics International*, **2016**, 42, 17892-17896	3.1	9
233	Effects of carbon addition on the electrical properties of bulk silicon-oxycarbide ceramics. *Journal of the European Ceramic Society*, **2016**, 36, 2705-2711	6	29
232	Mechanical and Thermal Properties of Pressureless Sintered Silicon Carbide Ceramics with Alumina–Yttria–Calcia. *Journal of the American Ceramic Society*, **2016**, 99, 1735-1741	3.8	31
231	Processing of alumina-coated clay–diatomite composite membranes for oily wastewater treatment. *Ceramics International*, **2016**, 42, 5024-5035	5.1	29
230	Effects of Y 2 O 3 –RE 2 O 3 (RE = Sm, Gd, Lu) additives on electrical and mechanical properties of SiC ceramics containing Ti 2 CN. *Journal of the European Ceramic Society*, **2016**, 36, 2997-3003	6	12
229	Tribological Behavior of Silicon Carbide Ceramics - A Review. *Journal of the Korean Ceramic Society*, **2016**, 53, 581-596	2.2	26
228	Effects of Y2O3–RE2O3 (RE = Sm, Gd, Lu) Additives on Electrical and Thermal Properties of Silicon Carbide Ceramics. *Journal of the American Ceramic Society*, **2016**, 99, 265-272	3.8	28
227	High-temperature strength of a thermally conductive silicon carbide ceramic sintered with yttria and scandia. *Journal of the European Ceramic Society*, **2016**, 36, 3755-3760	6	28
226	Thermal, electrical, and mechanical properties of pressureless sintered silicon carbide ceramics with yttria-scandia-aluminum nitride. *Journal of the European Ceramic Society*, **2016**, 36, 2659-2665	6	41
225	Electrically conductive SiC-BN composites. *Journal of the European Ceramic Society*, **2016**, 36, 3879-3887	6	18
224	Electrical and thermal properties of SiC–AlN ceramics without sintering additives. *Journal of the European Ceramic Society*, **2015**, 35, 2715-2721	6	40
223	Tribological characteristics of SiC ceramics sintered with a small amount of yttria. *Ceramics International*, **2015**, 41, 14780-14789	5.1	32
222	Electrical and thermal properties of silicon carbide–Boron nitride composites prepared without sintering additives. *Journal of the European Ceramic Society*, **2015**, 35, 4423-4429	6	17

221	Effect of grain growth on electrical properties of silicon carbide ceramics sintered with gadolinia and yttria. *Journal of the European Ceramic Society*, **2015**, 35, 4137-4142	6	40
220	Thermal and Mechanical Properties of SiC□TiC0.5N0.5 Composites. *Journal of the American Ceramic Society*, **2015**, 98, 616-623	3.8	25
219	Micro-electrical discharge machining characteristics of newly developed conductive SiC ceramic. *Ceramics International*, **2015**, 41, 3490-3496	5.1	22
218	Electrical, thermal and mechanical properties of silicon carbide□silicon nitride composites sintered with yttria and scandia. *Journal of the European Ceramic Society*, **2015**, 35, 77-86	6	26
217	Effect of starting particle size and barium addition on flexural strength of polysiloxane-derived SiOC ceramics. *Journal of the Ceramic Society of Japan*, **2015**, 123, 142-146	1	3
216	Highly Conductive p-Type Zinc blende SiC Thin Films Fabricated on Silicon Substrates by Magnetron Sputtering. *Journal of the American Ceramic Society*, **2015**, 98, 3663-3665	3.8	2
215	Effect of additive composition on mechanical properties of pressureless sintered silicon carbide ceramics sintered with alumina, aluminum nitride and yttria. *Metals and Materials International*, **2015**, 21, 525-530	2.4	22
214	Ceramic Membranes Prepared from a Silicate and Clay-mineral Mixture for Treatment of Oily Wastewater. *Clays and Clay Minerals*, **2015**, 63, 222-234	2.1	26
213	Electrical conductivity of dense, bulk silicon-oxycarbide ceramics. *Journal of the European Ceramic Society*, **2015**, 35, 1355-1360	6	39
212	Effect of WC addition on sliding wear behavior of SiC ceramics. *Ceramics International*, **2015**, 41, 3427-3437	3.1	31
211	Flexural Strength of Polysiloxane-Derived Strontium-Doped SiOC Ceramics. *Journal of the Korean Ceramic Society*, **2015**, 52, 61-65	2.2	3
210	Effect of Alkaline-Earth Oxide Additives on Flexural Strength of Clay-Based Membrane Supports. *Journal of the Korean Ceramic Society*, **2015**, 52, 180-185	2.2	1
209	Effect of Strontium Carbonate Content on Flexural Strength of Clay-Based Membrane Supports. *Journal of the Korean Ceramic Society*, **2015**, 52, 467-472	2.2	1
208	Electrical properties of SiC ceramics sintered with 0.5 wt% AlN□RE2O3 (RE=Y, Nd, Lu). *Ceramics International*, **2014**, 40, 8885-8890	5.1	21
207	Highly conductive SiC ceramics containing Ti2CN. *Journal of the European Ceramic Society*, **2014**, 34, 1149-1154	6	33
206	Erosion behavior of SiC□WC composites. *Ceramics International*, **2014**, 40, 6829-6839	5.1	38
205	Electrical resistivity of □SiC ceramics sintered with Al2O3 or AlN additives. *Journal of the European Ceramic Society*, **2014**, 34, 1695-1701	6	31
204	Mechanical properties of electrically conductive silicon carbide ceramics. *Ceramics International*, **2014**, 40, 10577-10582	5.1	34

203	Low-cost clay-based membranes for oily wastewater treatment. *Journal of the Ceramic Society of Japan*, **2014**, 122, 788-794	1	21
202	Electrical and Thermal Properties of SiC Ceramics Sintered with Yttria and Nitrides. *Journal of the American Ceramic Society*, **2014**, 97, 2943-2949	3.8	35
201	Microstructure and Thermal Conductivity of Silicon Carbide with Yttria and Scandia. *Journal of the American Ceramic Society*, **2014**, 97, 923-928	3.8	69
200	Fabrication of lightweight, flexible polyetherimide/nickel composite foam with electromagnetic interference shielding effectiveness reaching 103 dB. *Journal of Cellular Plastics*, **2014**, 50, 537-550	1.5	12
199	Electrically and thermally conductive SiC ceramics. *Journal of the Ceramic Society of Japan*, **2014**, 122, 963-966	1	7
198	Effect of Clay-Mineral Composition on Flexural Strength of Clay-based Membranes. *Journal of the Korean Ceramic Society*, **2014**, 51, 380-385	2.2	5
197	Processing and properties of macroporous silicon carbide ceramics: A reviewPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. *Journal of Asian Ceramic Societies*, **2013**, 1, 220-242	2.4	220
196	Porous sodium borate-bonded SiC ceramics. *Ceramics International*, **2013**, 39, 6827-6834	5.1	32
195	Temperature Dependence of Electrical Resistivity (4–300 K) in Aluminum- and Boron-Doped SiC Ceramics. *Journal of the American Ceramic Society*, **2013**, 96, 2525-2530	3.8	41
194	Effect of alkaline earth additives on the flexural strength of silicon oxycarbide-bonded silicon carbide ceramics. *Ceramics International*, **2013**, 39, 2083-2091	5.1	11
193	Control of Electrical Resistivity in Silicon Carbide Ceramics Sintered with Aluminum Nitride and Yttria. *Journal of the American Ceramic Society*, **2013**, 96, 3463-3469	3.8	38
192	Low-temperature processing of porous SiC ceramics. *Journal of Materials Science*, **2013**, 48, 1973-1979	4.3	28
191	High temperature strength of silicon carbide sintered with 1wt.% aluminum nitride and lutetium oxide. *Journal of the European Ceramic Society*, **2013**, 33, 345-350	6	29
190	Effect of the C/Si Molar Ratio on the Characteristics of β-SiC Powders Synthesized from TEOS and Phenol Resin. *Journal of the Korean Ceramic Society*, **2013**, 50, 31-36	2.2	3
189	Processing of Kaolin-Based Microfiltration Membranes. *Journal of the Korean Ceramic Society*, **2013**, 50, 341-347	2.2	12
188	Low Temperature Processing of Nano-Sized Magnesia Ceramics Using Ultra High Pressure. *Journal of the Korean Ceramic Society*, **2013**, 50, 226-230	2.2	
187	Effect of Additive Composition on Flexural Strength of Cullet-Loess Tile Bodies. *Journal of the Korean Ceramic Society*, **2013**, 50, 416-422	2.2	2
186	Fe doping and magnetic properties of zincblende SiC ceramics. *Journal of the European Ceramic Society*, **2012**, 32, 1149-1155	6	19

185	Effects of the initial β-SiC content on the microstructure, mechanical properties, and permeability of macroporous silicon carbide ceramics. *Journal of the European Ceramic Society*, **2012**, 32, 1283-1290	6	62
184	Effect of forming methods on porosity and compressive strength of polysiloxane-derived porous silicon carbide ceramics. *Journal of the Ceramic Society of Japan*, **2012**, 120, 199-203	1	13
183	Effect of additives on compressive strength and thermal conductivity of vermiculite-silica composites with layered structure. *Journal of the Ceramic Society of Japan*, **2012**, 120, 150-154	1	2
182	Influence of Y2O3 addition on electrical properties of β-SiC ceramics sintered in nitrogen atmosphere. *Journal of the European Ceramic Society*, **2012**, 32, 4401-4406	6	37
181	Electrical resistivity of silicon carbide ceramics sintered with 1wt% aluminum nitride and rare earth oxide. *Journal of the European Ceramic Society*, **2012**, 32, 4427-4434	6	35
180	Effect of initial β-phase content on microstructure and flexural strength of macroporous silicon carbide ceramics. *Metals and Materials International*, **2012**, 18, 379-383	2.4	5
179	Influence of powder characteristics on the electrical resistivity of SiC ceramics. *Journal of the Ceramic Society of Japan*, **2012**, 120, 251-255	1	7
178	Effects of silicon particle size on microstructure and permeability of silicon-bonded SiC ceramics. *Journal of the Ceramic Society of Japan*, **2012**, 120, 370-374	1	13
177	Processing of Vermiculite-Silica Composites with Prefer-Oriented Rod-Like Pores. *Journal of the Korean Ceramic Society*, **2012**, 49, 347-351	2.2	4
176	Effect of SiC Filler Content on Microstructure and Flexural Strength of Highly Porous SiC Ceramics Fabricated from Carbon-Filled Polysiloxane. *Journal of the Korean Ceramic Society*, **2012**, 49, 625-630	2.2	8
175	Processing and structural characteristics of encapsulated ZnO in porous polysiloxane-derived ceramics. *Journal of the Ceramic Society of Japan*, **2011**, 119, 136-139	1	2
174	Thermal conductivity and compressive strength anisotropy in vermiculite-ceramic composites with layered structure. *Journal of the Ceramic Society of Japan*, **2011**, 119, 319-321	1	9
173	Effect of aluminum hydroxide content on porosity and strength of porous mullite-bonded silicon carbide ceramics. *Journal of the Ceramic Society of Japan*, **2011**, 119, 367-370	1	18
172	Effect of filler addition on porosity and strength of polysiloxane-derived porous silicon carbide ceramics. *Journal of the Ceramic Society of Japan*, **2011**, 119, 48-54	1	7
171	Effect of in situ-synthesized nano-size SiC addition on density and electrical resistivity of liquid-phase sintered silicon carbide ceramics. *Journal of the Ceramic Society of Japan*, **2011**, 119, 965-967	1	17
170	Processing of Open-Cell Silicon Carbide Foams by Steam Chest Molding and Carbothermal Reduction. *Journal of the American Ceramic Society*, **2011**, 94, 344-347	3.8	21
169	Electrodischarge-Machinable Silicon Carbide Ceramics Sintered with Yttrium Nitrate. *Journal of the American Ceramic Society*, **2011**, 94, 991-993	3.8	55
168	Effective Nitrogen Doping for Fabricating Highly Conductive β-SiC Ceramics. *Journal of the American Ceramic Society*, **2011**, 94, 3216-3219	3.8	23

167	Influence of small amount of sintering additives on unlubricated sliding wear properties of SiC ceramics. *Ceramics International*, **2011**, 37, 3599-3608	5.1	50
166	Processing highly porous SiC ceramics using poly(ether-co-octene) and hollow microsphere templates. *Journal of Materials Science*, **2011**, 46, 3664-3667	4.3	18
165	Influence of submicron SiC particle addition on porosity and flexural strength of porous self-bonded silicon carbide. *Metals and Materials International*, **2011**, 17, 435-440	2.4	5
164	Effect of SiC particle size on flexural strength of porous self-bonded SiC ceramics. *Metals and Materials International*, **2011**, 17, 599-605	2.4	13
163	Steam-Chest Molding of Expanded Polypropylene Foams. 2. Mechanism of Interbead Bonding. *Industrial & Engineering Chemistry Research*, **2011**, 50, 5523-5531	3.9	60
162	Flexural Strength of Macroporous Silicon Carbide Ceramics. *Journal of the Korean Ceramic Society*, **2011**, 48, 360-367	2.2	6
161	Investigation on the Properties of a Microcellular Light-Weighted Humidity Controlling Tile. *Journal of the Korean Ceramic Society*, **2011**, 48, 404-411	2.2	2
160	Low-Temperature Processing of Silicon Oxycarbide-Bonded Silicon Carbide. *Journal of the American Ceramic Society*, **2010**, 93, 2463-2466	3.8	20
159	Processing of Silicon Oxycarbide Foams by Steam Chest Molding and Pyrolysis. *Journal of the American Ceramic Society*, **2010**, 93, 3099-3101	3.8	12
158	Steam-Chest Molding of Expanded Polypropylene Foams. 1. DSC Simulation of Bead Foam Processing. *Industrial & Engineering Chemistry Research*, **2010**, 49, 9822-9829	3.9	48
157	Processing of polysiloxane-derived porous ceramics: a review. *Science and Technology of Advanced Materials*, **2010**, 11, 044303	7.1	90
156	Suppression of free Si formation during liquid phase sintering of polysiloxane-derived, porous silicon carbide ceramics. *Journal of the Ceramic Society of Japan*, **2010**, 118, 102-106	1	5
155	Effect of aluminum source on flexural strength of mullite-bonded porous silicon carbide ceramics. *Journal of the Ceramic Society of Japan*, **2010**, 118, 13-18	1	22
154	Processing of porous silicon carbide with toughened strut microstructure. *Journal of the Ceramic Society of Japan*, **2010**, 118, 380-383	1	8
153	Effect of additive composition on porosity and flexural strength of porous self-bonded SiC ceramics. *Journal of the Ceramic Society of Japan*, **2010**, 118, 810-813	1	8
152	Mechanical properties of SiC ceramics sintered with RE2O3 (RE: Sc, Lu, Y) and AlN additives. *Metals and Materials International*, **2010**, 16, 229-233	2.4	9
151	Effect of additives on mechanical properties of macroporous silicon carbide ceramics. *Metals and Materials International*, **2010**, 16, 399-405	2.4	20
150	Effect of hot-forging on mechanical properties of silicon carbide sintered with Al2O3-Y2O3-MgO. *Metals and Materials International*, **2010**, 16, 891-894	2.4	7

149	Low temperature processing of highly porous silicon carbide ceramics with improved flexural strength. *Journal of Materials Science*, **2010**, 45, 282-285	4.3	29
148	Engineering porosity in silicon carbide ceramics. *Journal of Materials Science*, **2010**, 45, 2808-2815	4.3	29
147	Effect of alkaline earth metal oxide addition on flexural strength of porous mullite-bonded silicon carbide ceramics. *Journal of Materials Science*, **2010**, 45, 6841-6844	4.3	38
146	Processing of microcellular silicon carbide ceramics with a duplex pore structure. *Journal of the European Ceramic Society*, **2010**, 30, 2671-2676	6	48
145	Effect of Starting SiC Particle Size on Nitridation and Strength of Silicon Nitride-Bonded Silicon Carbide Ceramics. *Journal of the Korean Ceramic Society*, **2010**, 47, 157-162	2.2	6
144	Effect of Template Content on Microstructure and Flexural Strength of Porous Mullite-Bonded Silicon Carbide Ceramics. *Journal of the Korean Ceramic Society*, **2010**, 47, 509-514	2.2	6
143	Fabrication and Properties of SiC Candle Filter by Vacuum Extrusion and Ramming Process (II). *Journal of the Korean Ceramic Society*, **2010**, 47, 515-523	2.2	6
142	Microstructure and Permeability Property of Si Bonded Porous SiC with Variations in the Carbon Content. *Journal of the Korean Ceramic Society*, **2010**, 47, 546-552	2.2	9
141	Effect of Frit Content on Microstructure and Flexural Strength of Porous Frit-Bonded Al2O3Ceramics. *Journal of the Korean Ceramic Society*, **2010**, 47, 529-533	2.2	3
140	Accelerated ceramization of polymethylsilsesquioxane by aluminum- based filler reductant. *Applied Organometallic Chemistry*, **2009**, 24, 612-617	3.1	8
139	Melt spinning and metal chloride vapor curing process on polymethylsilsesquioxane as Si?O?C fiber precursor. *Journal of Applied Polymer Science*, **2009**, 114, 2600-2607	2.9	23
138	Indentation and contact damages on grain boundary controlled silicon carbide ceramics. *Journal of Materials Science*, **2009**, 44, 1416-1420	4.3	4
137	Effect of inert filler addition on microstructure and strength of porous SiC ceramics. *Journal of Materials Science*, **2009**, 44, 1404-1406	4.3	25
136	Effect of additive composition on microstructure and strength of porous silicon carbide ceramics. *Journal of Materials Science*, **2009**, 44, 4482-4486	4.3	31
135	Effect of additive composition on microstructure and mechanical properties of SiC ceramics sintered with small amount of RE2O3 (RE: Sc, Lu, Y) and AlN. *Journal of Materials Science*, **2009**, 44, 5939-5943	4.3	19
134	Effect of annealing on mechanical properties of silicon carbide sintered with aluminum nitride and scandium oxide. *Metals and Materials International*, **2009**, 15, 149-153	2.4	7
133	Effect of aluminum nitride-scandia content on the microstructural and mechanical properties of sintered silicon carbide ceramics. *Metals and Materials International*, **2009**, 15, 937-941	2.4	10
132	Structural and Optical Characteristics of Crystalline Silicon Carbide Nanoparticles Synthesized by Carbothermal Reduction. *Journal of the American Ceramic Society*, **2009**, 92, 424-428	3.8	42

131	Porosity control of porous silicon carbide ceramics. *Journal of the European Ceramic Society*, **2009**, 29, 2867-2872	6	82
130	Effect of submicron silicon carbide powder addition on the processing and strength of reaction-sintered mullite-silicon carbide composites. *Journal of the Ceramic Society of Japan*, **2009**, 117, 421-425	1	17
129	Investigation of Curing Process on Melt Spun Polymethylsilsesquioxane Fiber as Precursor for Silicon Oxycarbide Fibers. *Advanced Materials Research*, **2009**, 66, 1-4	0.5	7
128	Effects of Template Size and Content on Porosity and Strength of Macroporous Zirconia Ceramics. *Journal of the Korean Ceramic Society*, **2009**, 46, 35-40	2.2	13
127	Investigation on the Pore Properties of the Microcellular ZrO2Ceramics Using Hollow Microsphere. *Journal of the Korean Ceramic Society*, **2009**, 46, 108-115	2.2	7
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