

Tatsuki Ohji

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.

339 papers	7,872 citations	48 h-index	78 g-index
347 ext. papers	8,415 ext. citations	3 avg, IF	5.94 L-index

#	Paper	IF	Citations
339	Porous Ceramics Processing 2021 , 342-345		
338	Effect of gelatin gel strength on microstructures and mechanical properties of cellular ceramics created by gelation freezing route. <i>Journal of Materials Research</i> , 2017 , 32, 3286-3293	2.5	12
337	Self-Healing EBC Material for Gas Turbine Applications. <i>Ceramic Transactions</i> , 2017 , 173-185	0.1	1
336	Fabrication and characterization of porous alumina with a surface layer composed of alumina platelet by direct-foaming method. <i>Journal of the Ceramic Society of Japan</i> , 2017 , 125, 375-377	1	3
335	Fabrication and characterization of porous alumina with denser surface layer by direct foaming. <i>Journal of the Ceramic Society of Japan</i> , 2017 , 125, 7-11	1	6
334	Nanostructuring of Metal Oxides in Aqueous Solutions 2016 , 369-458		
333	Measurements of fracture toughness of ceramic thin plates through single-edge V-notch plate method. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 4327-4331	6	4
332	Round-robin test on the fracture toughness of ceramic thin plates through modified single edge-precracked plate method. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 3245-3248	6	7
331	Green and Sustainable Manufacturing of Advanced MaterialsProgress and Prospects 2016 , 3-10		4
330	Porous Ceramics Including Fibrous Insulation, Structure and Properties of 2016 , 346-348		
329	Environmentally Friendly Processing of Macroporous Materials 2016 , 267-294		
328	Green Manufacturing of Silicon Nitride Ceramics 2016 , 223-243		0
327	New Approach for Macro Porous RB-SiC Derived from SiC/Novolac-type Phenolic Composite. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 440-444	3.8	12
326	Powder layer manufacturing of alumina ceramics using water spray bonding. <i>Journal of the Ceramic Society of Japan</i> , 2016 , 124, 750-752	1	6
325	Evaluation of fracture toughness of ceramic thin plates through modified single edge-precracked plate method. <i>Scripta Materialia</i> , 2015 , 103, 34-36	5.6	10
324	Development of high-thermal-conductivity silicon nitride ceramicsPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. <i>Journal of Asian Ceramic Societies</i> , 2015 , 3, 221-229	2.4	61
323	Low-Cost Silicon Nitride from Silicon Nitride Powder and by Low-Temperature Sintering. <i>International Journal of Applied Ceramic Technology</i> , 2015 , 12, 377-382	2	2

322	Joining of alumina with an alumina/zirconia insert under low mechanical pressurePeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. <i>Journal of Asian Ceramic Societies</i> , 2015 , 3, 59-63	2.4	5
321	Mechanical Behavior of Foamed Insulating Ceramics. <i>Ceramic Engineering and Science Proceedings</i> , 2015 , 89-99	0.1	
320	Processing and Morphology Control of Porous Ceramics 2015 , 276-290		
319	Microstructural Evolution and Mechanical/Thermal Properties of Silicon Nitride Ceramics 2015 , 98-123		
318	Preparation of reaction-bonded porous silicon carbide with denser surface layer in one-pot process. <i>Journal of the Ceramic Society of Japan</i> , 2015 , 123, 1106-1108	1	9
317	Advanced Measurements of Indentation Fracture Resistance of Alumina by the Powerful Optical Microscopy for Small Ceramic Products. <i>Ceramic Engineering and Science Proceedings</i> , 2015 , 107-113	0.1	
316	Aqueous phase deposition of dense tin oxide films with nano-structured surfaces. <i>Journal of Solid State Chemistry</i> , 2014 , 214, 42-46	3.3	0
315	Synthesis of a Porous SiC Material from Polycarbosilane by Direct Foaming and Radiation Curing. <i>Ceramic Transactions</i> , 2014 , 61-69	0.1	
314	Polyethylenimine-assisted synthesis of transparent ZnO nanowhiskers at ambient temperatures. <i>Thin Solid Films</i> , 2014 , 558, 134-139	2.2	5
313	Macroporous Ceramics by Gelation-Freezing Route Using Gelatin. <i>Advanced Engineering Materials</i> , 2014 , 16, 607-620	3.5	41
312	Joining strength characteristics of large silicon nitride block joined without using any insert material. <i>Journal of the Ceramic Society of Japan</i> , 2014 , 122, 171-174	1	
311	Green and Reliable Macro-Porous Ceramic Processing. <i>Ceramic Transactions</i> , 2014 , 87-98	0.1	
310	Water bath synthesis of tin oxide nanostructure coating for a molecular sensor. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 2252-7	1.3	3
309	Structure-Property Relations 2014 , 349-378		
308	Fracture Resistance Behavior of High-Thermal-Conductivity Silicon Nitride Ceramics. <i>International Journal of Applied Ceramic Technology</i> , 2014 , 11, 872-882	2	11
307	Joining of Silicon Nitride by Local Heating for Fabrication of Long Ceramic Pipes. <i>International Journal of Applied Ceramic Technology</i> , 2014 , 11, 164-171	2	6
306	Effect of joining conditions on microstructure and flexural strength of long silicon nitride pipes fabricated by local heat-joining techniquePeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. <i>Journal of Asian Ceramic Societies</i> , 2013 , 1, 308-313	2.4	3
305	A facile template-free route to synthesize porous ZnO nanosheets with high surface area. <i>Journal of Alloys and Compounds</i> , 2013 , 580, 373-376	5.7	19

304	Joining of Silicon Nitride Long Pipes without Insert Material by Local Heating Technique. <i>Ceramic Engineering and Science Proceedings</i> , 2013 , 129-132	0.1	
303	Round Robin on Indentation Fracture Resistance of Silicon Carbide for Small Ceramic Products. <i>Ceramic Engineering and Science Proceedings</i> , 2013 , 143-150	0.1	
302	Porous Ceramic Materials 2013 , 1131-1148		12
301	Testing and Evaluation of Mechanical Properties 2013 , 633-656		2
300	Microstructural Control and Mechanical Properties 2013 , 657-673		
299	Porous Silicon Carbide Derived from Polymer Blend. <i>Ceramic Engineering and Science Proceedings</i> , 2013 , 89-96	0.1	
298	Microstructural Control and Mechanical Properties of Advanced Ceramics. <i>Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2013 , 60, 397-406	0.2	
297	Facile Synthesis of Characteristic Tin Oxide Particulate Films in Aqueous Solution. <i>International Journal of Applied Ceramic Technology</i> , 2012 , 9, 920-927	2	3
296	Water bathing synthesis of high-surface-area nanocrystal-assembled SnO ₂ particles. <i>Journal of Solid State Chemistry</i> , 2012 , 189, 21-24	3.3	13
295	Macro-porous ceramics: processing and properties. <i>International Materials Reviews</i> , 2012 , 57, 115-131	16.1	419
294	Tin oxide nanosheet assembly for hydrophobic/hydrophilic coating and cancer sensing. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 1666-74	9.5	47
293	Room-temperature synthesis and characterization of porous CeO ₂ thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012 , 209, 139-142	1.6	13
292	Ligand-assisted fabrication of small mesopores in semi-crystalline titanium oxide films for high loading of Ru(II) dyes. <i>Langmuir</i> , 2011 , 27, 11436-43	4	12
291	Low-temperature fabrication of bunch-shaped ZnO nanowires using a sodium hydroxide aqueous solution. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 10935-9	1.3	6
290	Chemical Reactions, Anisotropic Grain Growth and Sintering Mechanisms of Self-Reinforced ZrB ₂ SiC Doped with WC. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 1575-1583	3.8	80
289	Site-Selective Chemical Reaction on Flexible Polymer Films for Tin Oxide Nanosheet Patterning. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 2819-2825	2.3	20
288	Fast synthesis, optical and bio-sensor properties of SnO ₂ nanostructures by electrochemical deposition. <i>Chemical Engineering Journal</i> , 2011 , 168, 955-958	14.7	26
287	Recession behavior of Lu ₂ SiO ₅ under a high speed steam jet at high temperatures. <i>Ceramics International</i> , 2011 , 37, 1185-1189	5.1	19

286	Dye-sensitized biosystem sensing using macroporous semiconducting metal oxide films. <i>Journal of Materials Chemistry</i> , 2011 , 21, 5738		36
285	Connectivity of PS-b-PEO templated spherical pores in titanium oxide films. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 12529-35	3.6	45
284	High protein-adsorption characteristics of acicular crystal assembled TiO ₂ films and their photoelectric effect. <i>Thin Solid Films</i> , 2011 , 519, 5135-5138	2.2	4
283	Comparison of Recession Behavior between Lu ₂ Si ₂ O ₇ and Lu ₂ SiO ₅ by High Speed Steam Jet at High Temperatures. <i>Key Engineering Materials</i> , 2011 , 484, 246-249	0.4	3
282	Fabrication of Zn(OH) ₂ /ZnO Nanosheet-ZnO Nanoarray Hybrid Structured Films by a Dissolution/Recrystallization Route. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 881-886	3.8	17
281	Facile Synthesis, Characterization of ZnO Nanotubes and Nanoflowers in an Aqueous Solution. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 887-893	3.8	23
280	Highly Enhanced Surface Area of Tin Oxide Nanocrystals. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 2140-2143	3.8	19
279	Rapid Low-Temperature Synthesis of Porous ZnO Nanoparticle Film by Self-Hydrolysis Technique. <i>Key Engineering Materials</i> , 2010 , 445, 123-126	0.4	3
278	Shape-controlled growth of In(OH) ₃ /In ₂ O ₃ nanostructures by electrodeposition. <i>Langmuir</i> , 2010 , 26, 14814-20	4	32
277	Joining of Silicon Nitride with Glass or Powder Under Mechanical Pressure. <i>Ceramic Engineering and Science Proceedings</i> , 2010 , 163-167	0.1	
276	Multineedle TiO ₂ Nanostructures, Self-Assembled Surface Coatings, and Their Novel Properties. <i>Crystal Growth and Design</i> , 2010 , 10, 913-922	3.5	53
275	Dissolution/Recrystallization Induced Hierarchical Structure in ZnO: Bunched Roselike and Core/Shell-like Particles. <i>Crystal Growth and Design</i> , 2010 , 10, 626-631	3.5	38
274	Processing Strategy for Producing Ultra-Highly Porous Cordierite. <i>Ceramic Engineering and Science Proceedings</i> , 2010 , 59-68	0.1	4
273	Formation and photocatalytic application of ZnO nanotubes using aqueous solution. <i>Langmuir</i> , 2010 , 26, 2811-5	4	222
272	Crack profiles under a Vickers indent in silicon nitride ceramics with various microstructures. <i>Ceramics International</i> , 2010 , 36, 173-179	5.1	14
271	Pressureless sintering mechanisms and mechanical properties of hafnium diboride ceramics with pre-sintering heat treatment. <i>Scripta Materialia</i> , 2010 , 62, 159-162	5.6	31
270	Fabrication and properties of ultra highly porous silicon carbide by the gelation/freezing method. <i>Journal of the European Ceramic Society</i> , 2010 , 30, 2889-2896	6	99
269	Indentation fracture resistance test round robin on silicon nitride ceramics. <i>Ceramics International</i> , 2010 , 36, 899-907	5.1	15

268	Growth of Highly Orientated and Well-Aligned ZnO Nanowhiskers Using Aqueous Solutions. <i>Materials Science Forum</i> , 2009 , 620-622, 477-480	0.4	0
267	ZnO Nanoarrays Film Grown by Forced-Hydrolysis-Initiated-Nucleation Technique and its Photo-Induced Electrical Property. <i>Key Engineering Materials</i> , 2009 , 421-422, 83-86	0.4	
266	Fabrication of Blanket-Like Assembled ZnO Nanowhiskers Using an Aqueous Solution. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 922-926	3.8	14
265	Fabrication of ZnO nanowhiskers array film by forced-hydrolysis-initiated-nucleation technique using various templates. <i>Thin Solid Films</i> , 2009 , 518, 621-624	2.2	5
264	Low-temperature fabrication of porous and transparent ZnO films with hybrid structure by self-hydrolysis method. <i>Thin Solid Films</i> , 2009 , 518, 638-641	2.2	10
263	Dye Adsorption Characteristics of Anatase TiO ₂ Film Prepared in an Aqueous Solution. <i>Thin Solid Films</i> , 2009 , 518, 845-849	2.2	14
262	Room-temperature synthesis of tin oxide nano-electrodes in aqueous solutions. <i>Thin Solid Films</i> , 2009 , 518, 850-852	2.2	17
261	Control of crystal growth for ZnO nanowhisker films in aqueous solution. <i>Thin Solid Films</i> , 2009 , 518, 906-910	2.2	10
260	Correlation of wear behavior and indentation fracture resistance in silicon nitride ceramics hot-pressed with alumina and yttria. <i>Journal of the European Ceramic Society</i> , 2009 , 29, 1535-1542	6	32
259	Selectively dissolution-recrystallization of ZnO crystals at the air-liquid interface. <i>Journal of Crystal Growth</i> , 2009 , 311, 482-485	1.6	5
258	Low-temperature fabrication of ZnO nanoarray films by forced hydrolysis of anhydrous zinc acetate layer. <i>Journal of Crystal Growth</i> , 2009 , 311, 597-600	1.6	11
257	Relationship between fracture toughness determined by surface crack in flexure and fracture resistance measured by indentation fracture for silicon nitride ceramics with various microstructures. <i>Ceramics International</i> , 2009 , 35, 493-501	5.1	22
256	Effects of polyethylenimine on morphology and property of ZnO films grown in aqueous solutions. <i>Applied Surface Science</i> , 2009 , 255, 6823-6826	6.7	11
255	Rapid fabrication of mesoporous titania films with controlled macroporosity to improve photocatalytic property. <i>Chemistry - an Asian Journal</i> , 2009 , 4, 1486-93	4.5	43
254	Fabrication and Mechanical Properties of Porous Silicon Nitride Materials 2009 , 155-166		
253	Triblock copolymer templated semi-crystalline mesoporous titania films containing emulsion-induced macropores. <i>Journal of Materials Chemistry</i> , 2009 , 19, 1894		50
252	Polyethylenimine-Guided Self-Twin Zinc Oxide Nanoarray Assemblies. <i>Crystal Growth and Design</i> , 2009 , 9, 3598-3602	3.5	16
251	Recession behavior of Yb ₂ Si ₂ O ₇ phase under high speed steam jet at high temperatures. <i>Corrosion Science</i> , 2008 , 50, 178-182	6.8	55

250	Micropatterning of ZnO nanoarrays by forced hydrolysis of anhydrous zinc acetate. <i>Langmuir</i> , 2008 , 24, 7614-7	4	43
249	Adsorption Property of Dye Molecule over Semi-Crystalline Mesoporous Titania Films. <i>Key Engineering Materials</i> , 2008 , 388, 145-148	0.4	1
248	Synthesis of Well-Aligned ZnO Nanowhisker Films Using Aqueous Solution for Use in Dye-Sensitized Sensor. <i>Key Engineering Materials</i> , 2008 , 388, 27-30	0.4	
247	Fracture Resistance and Wear Properties of Silicon Nitride Ceramics. <i>Key Engineering Materials</i> , 2008 , 403, 53-56	0.4	
246	Exergy Analysis on the Life Cycle of Ceramic Parts. <i>Key Engineering Materials</i> , 2008 , 403, 261-264	0.4	2
245	Synthesis of highly conductive and transparent ZnO nanowhisker films using aqueous solution. <i>Journal of the Ceramic Society of Japan</i> , 2008 , 116, 384-388	1	12
244	Semi-circular shaped ZnO nanowhiskers assemblies deposited using an aqueous solution. <i>Applied Surface Science</i> , 2008 , 255, 2329-2332	6.7	6
243	In situ forced hydrolysis-assisted fabrication and photo-induced electrical property in sensor of ZnO nanoarrays. <i>Journal of Colloid and Interface Science</i> , 2008 , 325, 459-63	9.3	13
242	Microstructural design and mechanical properties of porous silicon nitride ceramics. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 498, 5-11	5.3	61
241	Corrosion and recession of mullite in water vapor environment. <i>Journal of the European Ceramic Society</i> , 2008 , 28, 431-435	6	31
240	Corrosion and recession mechanism of Lu ₂ Si ₂ O ₇ /mullite eutectic. <i>Journal of the European Ceramic Society</i> , 2008 , 28, 2359-2361	6	12
239	Exergy Consumption Through the Life Cycle of Ceramic Parts. <i>International Journal of Applied Ceramic Technology</i> , 2008 , 5, 373-381	2	11
238	Influence of Growth Conditions on the Morphology of Zinc Oxide Nanoarrays. <i>Transactions of the Materials Research Society of Japan</i> , 2008 , 33, 709-712	0.2	0
237	Effects of Pore Morphology on the Fabrication and Mechanical Properties of Porous Si ₃ N ₄ Ceramics. <i>Key Engineering Materials</i> , 2007 , 280-283, 1231-1236	0.4	
236	Recession behavior of a silicon nitride with multi-layered environmental barrier coating system. <i>Ceramics International</i> , 2007 , 33, 859-862	5.1	28
235	The application of automated image analysis to dense heterogeneities in partially sintered alumina. <i>Journal of the European Ceramic Society</i> , 2007 , 27, 1927-1933	6	4
234	Comparison of fracture resistance as measured by the indentation fracture method and fracture toughness determined by the single-edge-precracked beam technique using silicon nitrides with different microstructures. <i>Journal of the European Ceramic Society</i> , 2007 , 27, 2347-2354	6	31
233	Measurement of Indentation Fracture Toughness of Silicon Nitride Ceramics: I, Effect of Microstructure of Materials. <i>Key Engineering Materials</i> , 2007 , 352, 41-44	0.4	4

232	Fabrication and Properties of the Tape-Cast Si ₃ N ₄ with Rod-Like Si ₃ N ₄ Seed Addition. <i>Key Engineering Materials</i> , 2007 , 280-283, 1219-1222	0.4	
231	Measurement of Indentation Fracture Toughness of Silicon Nitride Ceramics: II, Effect of the Experimental Conditions. <i>Key Engineering Materials</i> , 2007 , 352, 45-48	0.4	6
230	Fabrication of Porous Silicon Nitride with High Porosity. <i>Key Engineering Materials</i> , 2007 , 336-338, 1105-1108	0.4	4
229	Reaction Synthesized Boron Nitride-Containing Composites (BNCC). <i>Key Engineering Materials</i> , 2007 , 280-283, 1385-1390	0.4	
228	Corrosion and recession behavior of zircon in water vapor environment at high temperature. <i>Corrosion Science</i> , 2007 , 49, 1162-1171	6.8	14
227	The Anisotropic Properties of the Tape Cast Si ₃ N ₄ Ceramics with Rod-Like Si ₃ N ₄ Seeds Addition. <i>Key Engineering Materials</i> , 2006 , 317-318, 593-596	0.4	2
226	Strengthening Effect of In-Situ Dispersed Hexagonal Boron Nitride in Ceramic Composites. <i>Key Engineering Materials</i> , 2006 , 317-318, 163-166	0.4	
225	In-Situ Formation and Coating of Cordierite Whiskers on Cordierite Based Honeycomb Support. <i>Key Engineering Materials</i> , 2006 , 317-318, 701-704	0.4	
224	Comparison of Water Vapor Corrosion Behaviors of Ln ₂ Si ₂ O ₇ (Ln=Yb and Lu) and ASiO ₄ (A=Ti, Zr and Hf) EBC's. <i>Key Engineering Materials</i> , 2006 , 317-318, 557-560	0.4	21
223	Effect of Yb ₂ O ₃ Addition on Si ₃ N ₄ -Lu ₂ O ₃ -SiO ₂ Ceramics. <i>Journal of the Ceramic Society of Japan</i> , 2006 , 114, 1097-1099		2
222	Influence of the Measuring Method for Crack Length on the Fracture Toughness of Silicon Nitride Ceramics Obtained by the Indentation Fracture Technique. <i>Journal of the Ceramic Society of Japan</i> , 2006 , 114, 787-790		
221	Effect of Sintering Additives on Microstructure and Mechanical Properties of Porous Silicon Nitride Ceramics. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 3843-3845	3.8	77
220	Water vapor corrosion behavior of lutetium silicates at high temperature. <i>Ceramics International</i> , 2006 , 32, 451-455	5.1	16
219	Recession mechanism of Lu ₂ Si ₂ O ₇ phase in high speed steam jet environment at high temperatures. <i>Ceramics International</i> , 2006 , 32, 775-778	5.1	23
218	Synthesis of fibrous Si ₃ N ₄ structured porous ceramics using carbothermal nitridation of silica. <i>Acta Materialia</i> , 2005 , 53, 2981-2990	8.4	63
217	Water vapor corrosion of mullite containing small amount of sodium. <i>Ceramics International</i> , 2005 , 31, 177-180	5.1	18
216	Fracture Resistance Behavior of Multilayered Silicon Nitride. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 991-994	3.8	30
215	Strengthening and Toughening Mechanisms of Ceramic Nanocomposites. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 1453-1460	3.8	206

214	Threshold Stress in Creep of Alumina-Silicon Carbide Nanocomposites. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 2713-2716	3.8	16
213	Strengthening and Toughening of Silicon Nitride by Superplastic Deformation. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 713-716	3.8	44
212	Long Crack R-Curve of Aligned Porous Silicon Nitride. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 462-465	3.8	7
211	Comparison of Mechanical Properties of Silicon Nitrides with Controlled Porosities Produced by Different Fabrication Routes. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 698-706	3.8	58
210	Synthesis of Porous Si ₃ N ₄ Ceramics with Rod-Shaped Pore Structure. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 1030-1032	3.8	38
209	Oxidation of Silicon Nitride in Wet Air and Effect of Lutetium Disilicate Coating. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 1139-1144	3.8	12
208	Fracture Energies of Tape-Cast Silicon Nitride with Si ₃ N ₄ Seed Addition. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 1622-1624	3.8	10
207	Reactive Hot-Pressed Alumina-Boron Nitride Composites with Y ₂ O ₃ Sintering Additive. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 2246-2248	3.8	14
206	Porous Silicon Nitride Ceramics Prepared by Reduction-Nitridation of Silica. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 2594-2596	3.8	66
205	Uniformly Porous Composites with 3-D Network Structure (UPC-3D) for High-Temperature Filter Applications. <i>International Journal of Applied Ceramic Technology</i> , 2005 , 1, 76-85	2	15
204	Development of Oxide-Based EBC for Silicon Nitride. <i>International Journal of Applied Ceramic Technology</i> , 2005 , 1, 362-373	2	61
203	High-Performance Boron Nitride-Containing Composites by Reaction Synthesis for the Applications in the Steel Industry. <i>International Journal of Applied Ceramic Technology</i> , 2005 , 2, 162-171	2	21
202	Development of a Novel Design for Diesel Particulate Filter. <i>Journal of Porous Materials</i> , 2005 , 12, 47-53	2.4	4
201	Recession behavior of Lu ₂ Si ₂ O ₇ /mullite eutectic in steam jet at high temperature. <i>Journal of Materials Science</i> , 2005 , 40, 2643-2644	4.3	8
200	Bending Strength of the Seeded and Tape Cast Si ₃ N ₄ before and after Oxidation Exposure in Air at 1500°C. <i>Key Engineering Materials</i> , 2005 , 287, 483-488	0.4	
199	Development of EBC for Silicon Nitride. <i>Key Engineering Materials</i> , 2005 , 287, 449-456	0.4	11
198	Enhanced Magnetization of 3 mol% Yttria-Doped Zirconia/Barium Hexaferrite by Post-Plastic Deformation. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 1113-1116	3.8	5
197	Strengthening of Porous Alumina by Pulse Electric Current Sintering and Nanocomposite Processing. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 1314-1316	3.8	59

196	In Situ Formation of Hexaferrite Magnets within a 3Y-TZP Matrix: $\text{La}_2\text{O}_3\text{-ZrO}_2\text{-BaO}$ Systems. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 1346-1350	3.8	4
195	Fracture Energy of an Aligned Porous Silicon Nitride. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 1807-1809	3.8	53
194	Reaction-Bonded and Superplastically Sinter-Forged Silicon Nitride/Silicon Carbide Nanocomposites. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 1816-1818	3.8	7
193	New Uniformly Porous $\text{CaZrO}_3/\text{MgO}$ Composites with Three-Dimensional Network Structure from Natural Dolomite. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 2091-2093	3.8	52
192	Influence of Yttria/Alumina Content on Sintering Behavior and Microstructure of Silicon Nitride Ceramics. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 2094-2096	3.8	89
191	Reactive Hot Pressing of $\text{ZrB}_2\text{-SiC}$ Composites. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 2330-2332	3.8	216
190	Microstructure and Mechanical Properties of Sinter/Post-HIPed $\text{Si}_3\text{N}_4\text{-SiC}$ Composites. <i>Journal of the American Ceramic Society</i> , 2004 , 84, 406-12	3.8	25
189	Fabrication of Porous Ceramics with Unidirectionally Aligned Continuous Pores. <i>Journal of the American Ceramic Society</i> , 2004 , 84, 1395-1397	3.8	82
188	In Situ Reaction Synthesis of Silicon Carbide/Boron Nitride Composites. <i>Journal of the American Ceramic Society</i> , 2004 , 84, 1475-1479	3.8	51
187	Fabrication of Low-Shrinkage, Porous Silicon Nitride Ceramics by Addition of a Small Amount of Carbon. <i>Journal of the American Ceramic Society</i> , 2004 , 84, 1639-1641	3.8	67
186	High-Temperature Fracture Energy of Superplastically Forged Silicon Nitride. <i>Journal of the American Ceramic Society</i> , 2004 , 84, 1791-1796	3.8	16
185	Model Analysis of Multicrack Mechanisms in Ceramic/Superplastic Laminates. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 1793-1803	3.8	6
184	Synthesis and Properties of Porous Single-Phase $\beta\text{-SiAlON}$ Ceramics. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 1879-1881	3.8	34
183	High-Strength Porous Silicon Carbide Ceramics by an Oxidation-Bonding Technique. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 2852-2854	3.8	94
182	In Situ Reaction Synthesis of Silicon Carbide/Boron Nitride Composite from Silicon Nitride/Boron Oxide/Carbon. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 2858-2860	3.8	13
181	Reaction Synthesis of Aluminum Nitride/Boron Nitride Composites Based on the Nitridation of Aluminum Boride. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 2938-2944	3.8	17
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22	A New Family of Uniformly Porous Composites with 3-D Network Structure (UPC-3D): Progress and Perspective. <i>Ceramic Transactions</i> ,147-151	0.1	
21	Fracture Behavior of Porous Si_3N_4 Ceramics with Random and Aligned Microstructure. <i>Ceramic Transactions</i> ,177-189	0.1	
20	Environmentally Friendly Tin Oxide Coating through Aqueous Solution Process. <i>Ceramic Transactions</i> ,13-23	0.1	
19	Joining of Alumina by Using of Polymer Blend and Aluminum. <i>Ceramic Engineering and Science Proceedings</i> ,91-97	0.1	
18	Joining of Silicon Nitride Ceramics by Local Heating TechniqueStrength and Microstructure. <i>Ceramic Transactions</i> ,155-162	0.1	
17	Novel Joining Method for Alumina by Surface Modification and Reduction Reaction. <i>Ceramic Transactions</i> ,169-179	0.1	

16	Long Term Tensile Creep Behavior of Highly Heat-Resistant Silicon Nitride for Ceramic Gas Turbines	159-166	13
15	Fabrication of Highly Porous Silicate Ceramics by Freeze-Drying. <i>Ceramic Engineering and Science Proceedings</i> ,145-151	0.1	2
14	Porous Ceramics with Fine Uni-Directionally-Aligned Continuous Pores. <i>Ceramic Engineering and Science Proceedings</i> ,183-190	0.1	1
13	Processing of Porous $\text{CaZrO}_3/\text{MgO}/\text{Pt}$ Composites Via in Situ Reactions. <i>Ceramic Engineering and Science Proceedings</i> ,217-223	0.1	3
12	Evaluation of Mechanical Properties of Porous Silicon Nitride Produced by Partial Hot-Pressing. <i>Ceramic Engineering and Science Proceedings</i> ,243-250	0.1	2
11	Fabrication of Dense Zr, Hf and Ta Based Ultra High Temperature Ceramics by Combining Self Propagating High Temperature Synthesis and Spark Plasma Sintering. <i>Ceramic Transactions</i> ,81-91	0.1	1
10	Thermal Shock Properties of Porous Alumina for Support Carrier of Hydrogen Membrane Materials. <i>Ceramic Engineering and Science Proceedings</i> ,127-137	0.1	1
9	In Situ Processing of Porous MgTi_2O_5 Ceramics with Pseudobrookite-Type Structure Toward Third Generation Diesel Particulate Filter Materials. <i>Ceramic Engineering and Science Proceedings</i> ,139-146	0.1	1
8	Joining of Silicon Nitride Long Pipe by Local Heating. <i>Ceramic Engineering and Science Proceedings</i> ,89-92	0.1	3
7	Comparison of Microwave and Conventionally Sintered Yttria Doped Zirconia Ceramics and Hydroxyapatite-Zirconia Nanocomposites. <i>Ceramic Engineering and Science Proceedings</i> ,17-26	0.1	1
6	Phase Stabilities and Corrosion/Recession Properties of Rare Earth Silicates Under High Speed Steam jet. <i>Ceramic Transactions</i> ,579-588	0.1	1
5	Porous Ceramics with Controlled Aligned-Pores Synthesized by Freeze-Drying Process. <i>Ceramic Engineering and Science Proceedings</i> ,153-160	0.1	
4	Anisotropic Porous Silicon Nitride Fabricated by Partial Forging Technique. <i>Ceramic Engineering and Science Proceedings</i> ,177-182	0.1	
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2	Corrosion Behavior of Porous Silicon Nitride and Sialon Ceramics. <i>Ceramic Engineering and Science Proceedings</i> ,285-290	0.1	
1	Study of Factors Affecting the Lengths of Surface Cracks in Silicon Nitride Introduced by Vickers Indentation	389-398	