Do Kyung Kim

List of Publications by Year
in descending order

261	11,136	26630	37204
papers	citations	56 h-index	96 g-index

265	265	265	13338
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Flexible Nanocomposite Generator Made of BaTiO₃ Nanoparticles and Graphitic Carbons. Advanced Materials, 2012, 24, 2999-3004.	21.0	601
2	Spinel LiMn₂O₄ Nanorods as Lithium Ion Battery Cathodes. Nano Letters, 2008, 8, 3948-3952.	9.1	579
3	Ultrathin Spinel LiMn₂O₄ Nanowires as High Power Cathode Materials for Li-Ion Batteries. Nano Letters, 2010, 10, 3852-3856.	9.1	452
4	Encapsulated Monoclinic Sulfur for Stable Cycling of Liâ€“S Rechargeable Batteries. Advanced Materials, 2013, 25, 6547-6553.	21.0	330
5	Three-dimensional nanonetworks for giant stretchability in dielectrics and conductors. Nature Communications, 2012, 3, 916.	12.8	292
6	Graphene-supported Na3V2(PO4)3 as a high rate cathode material for sodium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 11350.	10.3	248
7	Ab Initio Study of the Sodium Intercalation and Intermediate Phases in Na_{0.44}MnO₂ for Sodium-Ion Battery. Chemistry of Materials, 2012, 24, 1205-1211.	6.7	223
8	Solvothermal Synthesis of Tungsten Oxide Nanorod/Nanowire/Nanosheet. Journal of the American Ceramic Society, 2005, 88, 1684-1686.	3.8	213
9	Indentation techniques for evaluating the fracture toughness of biomaterials and hard tissues. Journal of the Mechanical Behavior of Biomedical Materials, 2009, 2, 384-395.	3.1	193
10	Hydrothermal synthesis and characterization of self-assembled h-WO3 nanowires/nanorods using EDTA salts. Journal of Alloys and Compounds, 2009, 475, 446-451.	5.5	191
11	Selfâ€Powered Wireless Sensor Node Enabled by an Aerosolâ€Deposited PZT Flexible Energy Harvester. Advanced Energy Materials, 2016, 6, 1600237.	19.5	179
12	Electrochemical performance and ex situ analysis of ZnMn2O4 nanowires as anode materials for lithium rechargeable batteries. Nano Research, 2011, 4, 505-510.	10.4	170
13	Overview: Damage in brittle layer structures from concentrated loads. Journal of Materials Research, 2002, 17, 3019-3036.	2.6	169
14	Effect of Solvent on Titania Particle Formation and Morphology in Thermal Hydrolysis of TiCl₄. Journal of the American Ceramic Society, 1997, 80, 743-749.	3.8	159
15	Diffusion behavior of sodium ions in Na0.44MnO2 in aqueous and non-aqueous electrolytes. Journal of Power Sources, 2013, 244, 758-763.	7.8	158
16	New multi-layered zirconias: Composition, microstructure and translucency. Dental Materials, 2019, 35, 797-806.	3.5	140
17	Lifetime-limiting Strength Degradation from Contact Fatigue in Dental Ceramics. Journal of Dental Research, 2000, 79, 722-731.	5.2	138
18	Suppressing Polysulfide Dissolution via Cohesive Forces by Interwoven Carbon Nanofibers for High-Areal-Capacity Lithiumâ€“Sulfur Batteries. Nano Letters, 2018, 18, 475-481.	9.1	137

#	Article	IF	Citations
19	Readiness Level of Sodiumâ€Ion Battery Technology: A Materials Review. Advanced Sustainable Systems, 2018, 2, 1700153.	5.3	135
20	High capacity and low cost spinel Fe 3 O 4 for the Na-ion battery negative electrode materials. Electrochimica Acta, 2014, 146, 503-510.	5.2	134
21	Single Nanorod Devices for Battery Diagnostics: A Case Study on LiMn₂O₄. Nano Letters, 2009, 9, 4109-4114.	9.1	114
22	A flexible energy harvester based on a lead-free and piezoelectric BCTZ nanoparticleâ€“polymer composite. Nanoscale, 2016, 8, 17632-17638.	5.6	114
23	In Situ Xâ€Ray Diffraction Studies on Structural Changes of a P2 Layered Material during Electrochemical Desodiation/Sodiation. Advanced Functional Materials, 2015, 25, 3227-3237.	14.9	113
24	Synthesis and Size Control of Tetragonal Barium Titanate Nanopowders by Facile Solvothermal Method. Journal of the American Ceramic Society, 2012, 95, 2429-2434.	3.8	112
25	Na₃V₂O_{2x}(PO₄)₂F_{3â^'2x}: a stable and high-voltage cathode material for aqueous sodium-ion batteries with high energy density. Journal of Materials Chemistry A, 2015, 3, 6271-6275.	10.3	111
26	An Aqueous Sodium Ion Hybrid Battery Incorporating an Organic Compound and a Prussian Blue Derivative. Advanced Energy Materials, 2014, 4, 1400133.	19.5	106
27	Pushing the Energy Output and Cyclability of Sodium Hybrid Capacitors at High Power to New Limits. Advanced Energy Materials, 2017, 7, 1602654.	19.5	105
28	Preparation of Monodisperse and Spherical Zirconia Powders by Heating of Alcohol-Aqueous Salt Solutions. Journal of the American Ceramic Society, 1995, 78, 2690-2694.	3.8	101
29	Fast switchable electrochromic properties of tungsten oxide nanowire bundles. Applied Physics Letters, 2007, 90, 173126.	3.3	95
30	Tin sulfide modified separator as an efficient polysulfide trapper for stable cycling performance in Liâ€“S batteries. Nanoscale Horizons, 2019, 4, 214-222.	8.0	92
31	Na 3 V 2 O 2 (PO 4) 2 F-MWCNT nanocomposites as a stable and high rate cathode for aqueous and non-aqueous sodium-ion batteries. Journal of Power Sources, 2016, 324, 421-427.	7.8	91
32	Oxygen-permeating property of LaSrBFeO3 (B=Co, Ga) perovskite membrane surface-modified by LaSrCoO3. Solid State Ionics, 2003, 158, 287-296.	2.7	90
33	Cyclic fatigue of intrinsically brittle ceramics in contact with spheres. Acta Materialia, 1999, 47, 4711-4725.	7.9	88
34	Na2FeP2O7 as a positive electrode material for rechargeable aqueous sodium-ion batteries. RSC Advances, 2014, 4, 9799.	3.6	86
35	Co3O4 negative electrode material for rechargeable sodium ion batteries: An investigation of conversion reaction mechanism and morphology-performances correlations. Journal of Power Sources, 2016, 332, 42-50.	7.8	86
36	Electrochemical Regeneration of NADH Enhanced by Platinum Nanoparticles. Angewandte Chemie - International Edition, 2008, 47, 1749-1752.	13.8	78

#	Article	IF	Citations
37	The Na2FeP2O7-carbon nanotubes composite as high rate cathode material for sodium ion batteries. Journal of Power Sources, 2016, 302, 61-69.	7.8	78
38	Formation of Monodisperse Spherical TiO₂ Powders by Thermal Hydrolysis of Ti(SO₄)₂. Journal of the American Ceramic Society, 1996, 79, 2727-2732.	3.8	73
39	Effect of Iron and Boron Carbide on the Densification and Mechanical Properties of Titanium Diboride Ceramics. Journal of the American Ceramic Society, 1989, 72, 1868-1872.	3.8	72
40	Rate Effects in Critical Loads for Radial Cracking in Ceramic Coatings. Journal of the American Ceramic Society, 2002, 85, 2019-2024.	3.8	70
41	Enhanced properties of porous CoFe₂O₄â€“reduced graphene oxide composites with alginate binders for Li-ion battery applications. New Journal of Chemistry, 2014, 38, 3654-3661.	2.8	69
42	Impedance analysis of Na0.44MnO2 positive electrode for reversible sodium batteries in organic electrolyte. Electrochimica Acta, 2013, 108, 575-582.	5.2	66
43	One-dimensional WO3 nanorods as photoelectrodes for dye-sensitized solar cells. Journal of Alloys and Compounds, 2013, 547, 113-117.	5.5	65
44	Enhanced electrochemical performance of a crosslinked polyaniline-coated graphene oxide-sulfur composite for rechargeable lithiumâ€“sulfur batteries. Journal of Power Sources, 2015, 294, 386-392.	7.8	65
45	Piezoelectric energy harvesting from a PMNâ€“PT single nanowire. RSC Advances, 2017, 7, 260-265.	3.6	65
46	Morphology evolution of anatase TiO2 nanocrystals under a hydrothermal condition (pH=9.5) and their ultra-high photo-catalytic activity. Materials Chemistry and Physics, 2005, 92, 104-111.	4.0	64
47	Facile synthesis and electrochemical performance of ordered LiNi0.5Mn1.5O4 nanorods as a high power positive electrode for rechargeable Li-ion batteries. Journal of Power Sources, 2011, 196, 10712-10716.	7.8	63
48	Enhanced dielectric permittivity of BaTiO 3 /epoxy resin composites by particle alignment. Ceramics International, 2016, 42, 7141-7147.	4.8	63
49	Influence of microstructure control on optical and mechanical properties of infrared transparent Y2O3-MgO nanocomposite. Journal of the European Ceramic Society, 2017, 37, 4902-4911.	5.7	63
50	Extreme fast charging characteristics of zirconia modified LiNi0.5Mn1.5O4 cathode for lithium ion batteries. Journal of Power Sources, 2018, 396, 774-781.	7.8	63
51	Synthesis of Li2TiO3 ceramic breeder powders by the combustion process. Journal of Nuclear Materials, 1998, 253, 203-212.	2.7	62
52	Formation and Characterization of Monodisperse, Spherical Organoâ€Silica Powders from Organoâ€Alkoxysilaneâ€Water System. Journal of the American Ceramic Society, 1998, 81, 1184-1188.	3.8	62
53	Hydrothermal Synthesis of Spherical Perovskite Oxide Powders Using Spherical Gel Powders. Journal of the American Ceramic Society, 1998, 81, 1353-1356.	3.8	61
54	Preparation of Monodisperse ZrO2 by the Microwave Heating of Zirconyl Chloride Solutions. Journal of the American Ceramic Society, 1995, 78, 1103-1106.	3.8	59

#	Article	IF	Citations
55	Processing and Characterization of Aluminum Nitride Ceramics for High Thermal Conductivity. Advanced Engineering Materials, 2014, 16, 655-669.	3.5	59
56	Effect of Flaw State on the Strength of Brittle Coatings on Soft Substrates. Journal of the American Ceramic Society, 2001, 84, 2377-2384.	3.8	58
57	Photocatalytic Activity of Monodispersed Spherical TiO₂ Particles with Different Crystallization Routes. Journal of the American Ceramic Society, 2003, 86, 1138-1145.	3.8	57
58	Effect of an adhesive interlayer on the fracture of a brittle coating on a supporting substrate. Journal of Materials Research, 2003, 18, 222-227.	2.6	55
59	Understanding the Origin of the Ultrahigh Rate Performance of a SiO₂-Modified LiNi_{0.5}Mn_{1.5}O₄ Cathode for Lithium-Ion Batteries. ACS Applied Energy Materials, 2019, 2, 7263-7271.	5.1	53
60	Effect of Mo on microstructure and mechanical properties of TiCâ€"Ni-based cermets produced by combustion synthesisâ€"impact forging technique. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 206, 71-80.	5.6	52
61	Non-resonant power-efficient directional Nd:YAG ceramic laser using a scattering cavity. Nature Communications, 2021, 12, 8.	12.8	52
62	Broadband giant-refractive-index material based on mesoscopic space-filling curves. Nature Communications, 2016, 7, 12661.	12.8	51
63	Comparative study of oxide and non-oxide additives in high thermal conductive and high strength Si3N4 ceramics. Ceramics International, 2016, 42, 17466-17471.	4.8	51
64	Morphological Effect of Second Phase on the Thermal Conductivity of AlN Ceramics. Journal of the American Ceramic Society, 1996, 79, 1066-1072.	3.8	50
65	An iron-doped NASICON type sodium ion battery cathode for enhanced sodium storage performance and its full cell applications. Journal of Materials Chemistry A, 2020, 8, 20436-20445.	10.3	48
66	Effect of Electrolyte Additives on NaTi₂(PO₄)₃-C//Na₃V₂O_{2X}(PO₄)₂<s Aqueous Rechargeable Sodium Ion Battery Performance. Journal of the Electrochemical Society, 2016, 163, A1484-A1492.	2.9	47
67	Combustion Synthesis/Dynamic Densification of a TiB2-SiC Composite. Journal of the American Ceramic Society, 1996, 79, 177-182.	3.8	46
68	Synthesis and enhancement of ultraviolet emission by post-thermal treatment of unique zinc oxide comb-shaped dendritic nanostructures. Scripta Materialia, 2006, 54, 807-811.	5.2	45
69	Enhanced output performance of a lead-free nanocomposite generator using BaTiO3 nanoparticles and nanowires filler. Applied Surface Science, 2018, 429, 164-170.	6.1	45
70	Combustion synthesis in the Ti-C-Ni-Mo system: Part I. Micromechanisms. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1995, 26, 3001-3009.	2.2	44
71	Enhancement of electrochemical performance and thermal compatibility of GdBaCo2/3Fe2/3Cu2/3O5+Î´ cathode on Ce1.9Gd0.1O1.95 electrolyte for IT-SOFCs. Electrochemistry Communications, 2009, 11, 2085-2088.	4.7	44
72	Facile hydrothermal synthesis of BaZr_xTi_{1â"'x}O₃ nanoparticles and their application to a lead-free nanocomposite generator. RSC Advances, 2017, 7, 2851-2856.	3.6	44

#	Article	IF	Citations
73	Natural-Wood-Derived Lignosulfonate Ionomer as Multifunctional Binder for High-Performance Lithiumâ€“Sulfur Battery. ACS Sustainable Chemistry and Engineering, 2019, 7, 17580-17586.	6.7	43
74	Model for Cyclic Fatigue of Quasiâ€Plastic Ceramics in Contact with Spheres. Journal of the American Ceramic Society, 2000, 83, 2255-2262.	3.8	42
75	Pressureless Sintering and Microstructural Development of B₄C-TiB₂Composites. Advanced Ceramic Materials, 1988, 3, 52-55.	2.2	40
76	Contact Damage and Strength Degradation in Brittle/Quasiâ€Plastic Silicon Nitride Bilayers. Journal of the American Ceramic Society, 1998, 81, 2394-2404.	3.8	40
77	High-strength AlN ceramics by low-temperature sintering with CaZrO3â€“Y2O3 co-additives. Journal of the European Ceramic Society, 2014, 34, 3627-3633.	5.7	40
78	A high capacity MnFe₂O₄/rGO nanocomposite for Li and Na-ion battery applications. RSC Advances, 2015, 5, 63304-63310.	3.6	40
79	High performance of MoS₂ microflowers with a water-based binder as an anode for Na-ion batteries. RSC Advances, 2015, 5, 79845-79851.	3.6	39
80	A Robust Approach for Efficient Sodium Storage of GeS₂ Hybrid Anode by Electrochemically Driven Amorphization. Advanced Energy Materials, 2018, 8, 1703499.	19.5	39
81	Electrochromic properties of one-dimensional tungsten oxide nanobundles. Solar Energy Materials and Solar Cells, 2008, 92, 179-183.	6.2	35
82	A mechanistic review of lithiophilic materials: resolving lithium dendrites and advancing lithium metal-based batteries. Materials Chemistry Frontiers, 2021, 5, 6294-6314.	5.9	35
83	Solvothermally grown ZnO nanorod arrays on (101) and (002) single- and poly-crystalline Zn metal substrates. Materials Letters, 2009, 63, 1019-1022.	2.6	34
84	A high rate and stable electrode consisting of a Na₃V₂O_{2X}(PO₄)₂F_{3â^'2X}â€“rGO composite with a cellulose binder for sodium-ion batteries. RSC Advances, 2017, 7, 21820-21826.	3.6	34
85	Vertically aligned carbon nanotubular structure for guiding uniform lithium deposition via capillary pressure as stable metallic lithium anodes. Energy Storage Materials, 2020, 24, 602-609.	18.0	34
86	Flaw-Tolerance and R-Curve Behavior of Liquid-Phase-Sintered Silicon Carbides with Different Microstructures. Journal of the American Ceramic Society, 1995, 78, 65-70.	3.8	33
87	Hydrogen storage characteristics of metal oxide doped Alâ€“MCM-41 mesoporous materials. Catalysis Communications, 2007, 8, 1934-1938.	3.3	33
88	Electrical characterization of dense and porous nanocrystalline Gd-doped ceria electrolytes. Solid State Ionics, 2008, 178, 1990-1997.	2.7	33
89	Synthesis of Eu-doped (Gd,Y)2O3 transparent optical ceramic scintillator. Journal of Materials Research, 2004, 19, 413-416.	2.6	32
90	One-step hydrothermal synthesis of CdTe nanowires with amorphous carbon sheaths. Materials Letters, 2010, 64, 1551-1554.	2.6	32

#	Article	IF	Citations
91	Wear-mechanical properties of filler-added liquid silicon infiltration C/Câ€“SiC composites. Materials & Design, 2013, 44, 107-113.	5.1	32
92	Size control of ZnO nanostructures formed in different temperature zones by varying Ar flow rate with tunable optical properties. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 500-505.	2.7	31
93	Carbon coating by high-energy milling and electrochemical properties of LiMnPO4 obtained in polyol process. Ceramics International, 2012, 38, S471-S475.	4.8	30
94	Designing High Energy Sodiumâ€ion Battery Cathodes by Utilizing P2/O3 Biphasic Structure and Lithium Honeycomb Ordering. Small, 2021, 17, e2100146.	10.0	30
95	Cobalt-free composite cathode for SOFCs: Brownmillerite-type calcium ferrite and gadolinium-doped ceria. International Journal of Hydrogen Energy, 2012, 37, 17217-17224.	7.1	29
96	Local Fracture Toughness of Si₃N₄ Ceramics Measured using Singleâ€Edge Notched Microcantilever Beam Specimens. Journal of the American Ceramic Society, 2015, 98, 965-971.	3.8	29
97	Electrochemical properties of BiFeO 3 nanoparticles: Anode material for sodium-ion battery application. Materials Science in Semiconductor Processing, 2017, 68, 165-171.	4.0	29
98	Effect of Tangential Loading on Critical Conditions for Radial Cracking in Brittle Coatings. Journal of the American Ceramic Society, 2001, 84, 2719-2721.	3.8	27
99	Effect of Microstructure on Dielectric Properties of Si₃N₄ at Microwave Frequency. Key Engineering Materials, 2005, 287, 247-252.	0.4	27
100	Composite cathode for IT-SOFC: Sr-doped lanthanum cuprate and Gd-doped ceria. Electrochemistry Communications, 2010, 12, 808-811.	4.7	27
101	Improved electrochemical performance and thermal compatibility of Fe- and Cu-doped SmBaCo2O5+Î´â€“Ce0.9Gd0.1O1.95 composite cathode for intermediate-temperature solid oxide fuel cells. Journal of Power Sources, 2011, 196, 3095-3098.	7.8	27
102	Oxidation behavior of ZrB2-xSiC composites at 1500Â°C under different oxygen partial pressures. Ceramics International, 2014, 40, 15303-15311.	4.8	27
103	Synthesis of LaCrO3 Powders by Microwave Induced Combustion of Metal Nitrate-urea Mixture Solution. Journal of Materials Science Letters, 1998, 17, 785-787.	0.5	26
104	Effective Suppression of Polysulfide Dissolution by Uniformly Transfer-Printed Conducting Polymer on Sulfur Cathode for Li-S Batteries. Journal of the Electrochemical Society, 2017, 164, A6417-A6421.	2.9	26
105	Unveiling the synergistic effect of polysulfide additive and MnO2 hollow spheres in evolving a stable cyclic performance in Liâ€“S batteries. Chemical Communications, 2017, 53, 8782-8785.	4.1	26
106	The effect of a dilution agent on the dipping exothermic reaction process for fabricating a high-volume TiC-reinforced aluminum composite. Scripta Materialia, 2003, 48, 413-418.	5.2	25
107	Electrical Conductivity of Submicrometer Gadolinia-Doped Ceria Sintered at 1000Â°C Using Precipitation-Synthesized Nanocrystalline Powders. Journal of the American Ceramic Society, 2008, 91, 3267-3274.	3.8	25
108	Formation and Accumulation of Intragranular Pores in the Hydrothermally Synthesized Barium Titanate Nanoparticles. Journal of the American Ceramic Society, 2016, 99, 3802-3808.	3.8	25

#	Article	IF	Citations
109	Influence of carbon polymorphism towards improved sodium storage properties of Na3V2O2x (PO4)2F3-2x. Journal of Solid State Electrochemistry, 2017, 21, 223-232.	2.5	25
110	Enhancing the Sequential Conversionâ€Alloying Reaction of Mixed Snâ€“S Hybrid Anode for Efficient Sodium Storage by a Carbon Healed Graphene Oxide. Small, 2018, 14, 1702605.	10.0	25
111	Wear behavior and microstructural characterization of translucent multilayer zirconia. Dental Materials, 2020, 36, 1407-1417.	3.5	25
112	Asymmetric separator integrated with ferroelectric-BaTiO3 and mesoporous-CNT for the reutilization of soluble polysulfide in lithium-sulfur batteries. Journal of Alloys and Compounds, 2022, 893, 162272.	5.5	25
113	Atomic-Resolution Imaging of the Nanoscale Origin of Toughness in Rare-Earth Doped SiC. Nano Letters, 2008, 8, 2935-2939.	9.1	24
114	Ultrathin SnO2 layer for efficient carrier collection in dye-sensitized solar cells. Thin Solid Films, 2014, 556, 503-508.	1.8	24
115	A novel approach of an infrared transparent Er:Y₂O₃â€“MgO nanocomposite for eye-safe laser ceramics. Journal of Materials Chemistry C, 2018, 6, 11096-11103.	5.5	24
116	Conversion-Alloying Anode Materials for Na-ion Batteries: Recent Progress, Challenges, and Perspective for the Future. Journal of the Korean Ceramic Society, 2018, 55, 307-324.	2.3	24
117	Effect of Starting Powder on Damage Resistance of Silicon Nitrides. Journal of the American Ceramic Society, 1998, 81, 2061-2070.	3.8	23
118	Large-area metal foams with highly ordered sub-micrometer-scale pores for potential applications in energy areas. Materials Letters, 2014, 129, 174-177.	2.6	23
119	Glass formation in metallic Alâ€“Niâ€“Y. Journal of Non-Crystalline Solids, 1998, 242, 122-130.	3.1	22
120	Preparation of Monodisperse and Spherical Powders by Heating of Alcohol-Aqueous Salt Solutions. , 1999, 15, 231-241.		22
121	Effect of yttria substitution on the light output of (Gd,Y)2O3:Eu ceramic scintillator. Nuclear Instruments & Methods in Physics Research B, 2004, 225, 392-396.	1.4	22
122	Raman and 29Si NMR spectroscopic characterization of lanthanum silicate electrolytes: Emphasis on sintering temperature to enhance the oxide-ion conductivity. Electrochimica Acta, 2009, 54, 7495-7501.	5.2	22
123	Influence of Ammonia on Properties of Nanocrystalline Barium Titanate Particles Prepared by a Hydrothermal Method. Journal of the American Ceramic Society, 2012, 95, 2248-2253.	3.8	22
124	Effect of microwave heating on densification and Î± â†' Î² phase transformation of silicon nitride. Journal of the European Ceramic Society, 1997, 17, 1625-1630.	5.7	21
125	Investigation of Ti3AlC2 in the in situ TiCâ€“Al composite prepared by the exothermic reaction process in liquid aluminum. Materials Letters, 2004, 58, 593-597.	2.6	21
126	Low-temperature sintering of dense lanthanum silicate electrolytes with apatite-type structure using an organic precipitant synthesized nanopowder. Journal of Materials Research, 2009, 24, 237-244.	2.6	21

#	Article	IF	Citations
127	A robust approach for highly transparent Y 2 O 3 ceramics by stabilizing oxygen defects. Scripta Materialia, 2017, 137, 1-4.	5.2	21
128	New insight into Na intercalation with Li substitution on alkali site and high performance of O3-type layered cathode material for sodium ion batteries. Journal of Materials Chemistry A, 2018, 6, 22731-22740.	10.3	21
129	A high power density electrode with ultralow carbon via direct growth of particles on graphene sheets. Journal of Materials Chemistry A, 2013, 1, 6183.	10.3	20
130	Catecholamine-Functionalized Reduced Graphene Oxide: A Scalable Carbon Host for Stable Cycling in Lithiumâ€“Sulfur Batteries. Electrochimica Acta, 2017, 246, 451-458.	5.2	20
131	Microstructural freezing of highly NIR transparent Y2O3-MgO nanocomposite via pressure-assisted two-step sintering. Journal of the European Ceramic Society, 2019, 39, 4957-4964.	5.7	20
132	<scp>AC</scp> Impedance Spectroscopy of CaF₂â€doped AlN Ceramics. Journal of the American Ceramic Society, 2014, 97, 805-810.	3.8	19
133	Evaluation of oxidation behaviors of HfC-SiC ultra-high temperature ceramics at above 2500â€¯Â°C via oxyacetylene torch. Ceramics International, 2018, 44, 8505-8513.	4.8	19
134	Electrochemical properties of Na0.5Bi0.5TiO3 perovskite as an anode material for sodium ion batteries. Journal of Materials Science, 2019, 54, 13236-13246.	3.7	19
135	A study on cobalt substitution in sodium manganese mixed-anion phosphates as positive electrode materials for Na-ion batteries. Journal of Power Sources, 2019, 444, 227274.	7.8	19
136	Synthesis and scintillation properties of nano Gd2O3(Eu) scintillator for high resolution X-ray imaging applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 619, 174-176.	1.6	18
137	Hierarchical Structure of Porous Silicon Nitride Ceramics with Aligned Pore Channels Prepared by Iceâ€Templating and Nitridation of Silicon Powder. International Journal of Applied Ceramic Technology, 2015, 12, 921-931.	2.1	18
138	Two-step sintering behavior of titanium-doped Y2O3 ceramics with monodispersed sub-micrometer powder. Ceramics International, 2019, 45, 510-515.	4.8	18
139	Ice-Templated Free-Standing Reduced Graphene Oxide for Dendrite-Free Lithium Metal Batteries. ACS Applied Energy Materials, 2020, 3, 11053-11060.	5.1	18
140	Carbothermic Synthesis of Monodispersed Spherical Si₃N₄/SiC Nanocomposite Powder. Journal of the American Ceramic Society, 1999, 82, 2665-2671.	3.8	17
141	Fracture Resistance and Contact Damage of TiN Particle Reinforced Si3N4 Ceramics. Journal of the Ceramic Society of Japan, 2006, 114, 1049-1053.	1.3	17
142	Mechanical properties and structural stability of perovskite-type, oxygen-permeable, dense membranes. Desalination, 2006, 193, 236-243.	8.2	17
143	REACTIVE HOT PRESSING AND OXIDATION BEHAVIOR OF Hf-BASED ULTRA-HIGH-TEMPERATURE CERAMICS. Surface Review and Letters, 2010, 17, 215-221.	1.1	17
144	Interfacial microstructure of diffusion-bonded SiC and Re with Ti interlayer. Journal of Alloys and Compounds, 2017, 701, 316-320.	5.5	17

#	Article	IF	Citations
145	A highly-aligned lamellar structure of ice-templated LiFePO4 cathode for enhanced rate capability. Materials and Design, 2018, 139, 89-95.	7.0	17
146	Self-reinforced and high-thermal conductivity silicon nitride by tailoring Î±-Î² phase ratio with pressureless multi-step sintering. Ceramics International, 2021, 47, 13057-13064.	4.8	17
147	Fabrication of MgB2 thin film by rf magnetron sputtering. Physica C: Superconductivity and Its Applications, 2003, 388-389, 127-128.	1.2	16
148	Electrochemical Sodium Ion Intercalation Properties of Na_{2.7}Ru₄O₉in Nonaqueous and Aqueous Electrolytes. Journal of the Electrochemical Society, 2013, 160, A897-A900.	2.9	15
149	TEM Study of the Highâ€Temperature Oxidation Behavior of Hotâ€Pressed <scp><scp>ZrB</scp></scp>₂â€“<scp><scp>SiC</scp></scp> Composites. Journal of the American Ceramic Society, 2013, 96, 1570-1576.	3.8	15
150	A Flexible Glass Fiber Based Freestanding Composite Electrode for Highâ€Performance Lithium Polysulfide Batteries. Advanced Sustainable Systems, 2017, 1, 1700083.	5.3	15
151	Advances of 2D MoS2 for High-Energy Lithium Metal Batteries. Frontiers in Energy Research, 2021, 9, .	2.3	15
152	Investigation on Thermal Conductivity of Aluminum Nitride Ceramics by FTâ€Raman Spectroscopy. Journal of the American Ceramic Society, 2010, 93, 2167-2170.	3.8	14
153	High-performance GdBaCo2O5+Î´â€“Ce0.9Gd0.1O1.95 composite cathode for solid oxide fuel cells. Current Applied Physics, 2011, 11, S238-S241.	2.4	14
154	Enhanced ferromagnetic properties and high temperature dielectric anomalies in Bi0.9Ca0.05Sm0.05FeO3 prepared by hydrothermal method. Materials Research Bulletin, 2015, 62, 5-10.	5.2	14
155	Encapsulation of Lithium Vanadium Phosphate in Reduced Graphene Oxide for a Lithium-ion Battery Cathode with Stable Elevated Temperature Performance. Electrochimica Acta, 2017, 253, 208-217.	5.2	14
156	Enhanced microhardness of nanocrystalline carbon nanotube-reinforced Cu composite using planar shock-wave compaction. Scripta Materialia, 2009, 61, 871-874.	5.2	13
157	Novel nanocrystalline Gd2O3(Eu) scintillator screens with a micro-pixel structure for high spatial resolution X-ray imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 717-720.	1.6	13
158	Functional and structural insight into lignocellulosic fibers for high-areal-capacity lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2021, 9, 18260-18271.	10.3	13
159	Anomalous cyclic fatigue-crack propagation behavior of small cracks in monolithic, grain-bridging ceramics. Ceramics International, 2000, 26, 721-725.	4.8	12
160	Microstructural evolution of Si₃N₄ ceramics from starting powders with different α-to-β ratios. Journal of the Ceramic Society of Japan, 2016, 124, 800-807.	1.1	12
161	Insight into the scavenger effect of LiF on extinction of a carboxylate group for mid-infrared transparent Y2O3â^'MgO nanocomposite. Scripta Materialia, 2020, 187, 37-42.	5.2	12
162	Regulating lithium metal interface using seed-coating layer for high-power batteries. Chemical Engineering Journal, 2022, 433, 134380.	12.7	12

#	Article	IF	Citations
163	Electrical conductivity studies on the LSGMâ€“CGO composite electrolytes. Journal of Alloys and Compounds, 2010, 491, 416-419.	5.5	11
164	Optimal design of organicâ€“inorganic hybrid tandem solar cell based on aâ€Si:H and organic photovoltaics for high efficiency. Micro and Nano Letters, 2014, 9, 881-883.	1.3	11
165	Lead-free BaTiO3 Nanowire Arrays-based Piezoelectric Energy Harvester. MRS Advances, 2017, 2, 3415-3420.	0.9	11
166	Understanding the role of oxygen ion (O^{2â^'}) activity in 1-D crystal growth of rutile TiO₂ in molten salts. CrystEngComm, 2018, 20, 487-495.	2.6	11
167	Two-step sintering of a TiB2-Ni cermet. Journal of Materials Science, 1996, 31, 5805-5809.	3.7	10
168	Monte Carlo analyses of X-ray absorption, noise, and detective quantum efficiency considering therapeutic X-ray spectrum in portal imaging detector. IEEE Transactions on Nuclear Science, 2001, 48, 1423-1427.	2.0	10
169	Cyclic Fatigueâ€“Crack Propagation Behavior in Silicon Carbide: Longâ€•and Smallâ€Crack Behavior. Journal of the American Ceramic Society, 2001, 84, 551-554.	3.8	10
170	Microstructure Evolution and Isothermal Compaction in TiO2-Al-C Combustion Reaction. Journal of Materials Synthesis and Processing, 2002, 10, 127-134.	0.3	10
171	Strength measurement of a brittle coating with a trilayer structure using instrumented indentation andin situobservation techniques. Philosophical Magazine, 2006, 86, 5383-5396.	1.6	10
172	DEFECT CHARACTERIZATION OF HIGH THERMAL CONDUCTIVITY CaF2 DOPED AlN CERAMICS BY RAMAN SPECTROSCOPY. Modern Physics Letters B, 2009, 23, 3869-3876.	1.9	10
173	Removal of Micrometer Size Morphological Defects and Enhancement of Ultraviolet Emission by Thermal Treatment of Ga-Doped ZnO Nanostructures. PLoS ONE, 2014, 9, e86418.	2.5	10
174	Effect of the microstructure of Si3N4 on the adhesion strength of TiN film on Si3N4. Thin Solid Films, 2006, 510, 222-228.	1.8	9
175	HIGH TEMPERATURE MECHANICAL PROPERTIES OF CVD-SiC THIN FILMS. Modern Physics Letters B, 2009, 23, 3877-3886.	1.9	9
176	Effects of calcination atmosphere on monodispersed spherical particles for highly optical transparent yttria ceramics. Journal of the American Ceramic Society, 2017, 100, 1876-1884.	3.8	9
177	Improving Room Temperature Ionic Conductivity of Na_{3â€“x}K_xZr₂Si₂PO₁₂ Solid-Electrolytes: Effects of Potassium Substitution. Inorganic Chemistry, 2021, 60, 11147-11153.	4.0	9
178	Air-Jet Button Effects in AR. Lecture Notes in Computer Science, 2006, , 384-391.	1.3	9
179	Synthesis and Photocatalytic Properties of SnO2-Mixed and Sn-Doped TiO2 Nanoparticles. Korean Journal of Materials Research, 2012, 22, 352~357-352~357.	0.2	9
180	Cubic Yâ€“Baâ€“Cuâ€“O thin films by high speed pulsed laser deposition. Physica C: Superconductivity and Its Applications, 1998, 308, 251-256.	1.2	8

#	Article	IF	Citations
181	Title is missing!. Journal of Materials Synthesis and Processing, 2002, 10, 23-29.	0.3	8
182	Modeling of effects of adhesive interlayers on contact-induced radial cracking in brittle coatings on substrates. Journal of Materials Research, 2003, 18, 1481-1486.	2.6	8
183	Pyrolytic Conversion of Spherical Organoâ€silica Powder to Silicon Nitride under Nitrogen. Journal of the American Ceramic Society, 1998, 81, 2294-2300.	3.8	8
184	The Oxidation Behavior of ZrB₂-Based Mixed Boride. Key Engineering Materials, 2008, 403, 253-255.	0.4	8
185	Electrochemical properties of GdBaCo2/3Fe2/3Cu2/3O5+Î´â€“CGO composite cathodes for solid oxide fuel cell. Ceramics International, 2012, 38, S493-S496.	4.8	8
186	Synthesis, structure, and electrochemical Li-ion intercalation of LiRu2O4 with CaFe2O4-type structure. Journal of Power Sources, 2013, 233, 285-289.	7.8	8
187	DNA metallization for high performance Li-ion battery anodes. Nano Energy, 2014, 8, 17-24.	16.0	8
188	Perspective on Carbon Fiber Woven Fabric Electrodes for Structural Batteries. Fibers and Polymers, 2018, 19, 599-606.	2.1	8
189	Realizing Highâ€Performance Liâ€“Polysulfide Full Cells by using a Lithium Bis(trifluoromethanesulfonyl)imide Salt Electrolyte for Stable Cyclability. ChemSusChem, 2018, 11, 3402-3409.	6.8	8
190	Transparent Ceramics for Visible/IR Windows: Processing, Materials and Characterization. Korean Journal of Materials Research, 2018, 28, 551-563.	0.2	8
191	Coating of yttria precursor on AlN powder byin situ precipitation. Journal of Materials Science Letters, 1994, 13, 1349-1351.	0.5	7
192	In situ Observation of Fracture Sequence of Physical Vapor Deposited TiN Film on (1120) Sapphire. Journal of Materials Research, 2005, 20, 1389-1395.	2.6	7
193	Dielectric Properties of Alumina Ceramics in the Microwave Frequency at High Temperature. Solid State Phenomena, 2007, 124-126, 743-746.	0.3	7
194	Dielectric Properties of SiAlON Ceramics. Key Engineering Materials, 0, 403, 125-128.	0.4	7
195	Hydrothermal synthesis, structure and scintillation characterization of nanocrystalline Eu3+-doped Gd2O3 materials and its X-ray imaging applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 212-215.	1.6	7
196	Synthesis and scintillation characterization of nanocrystalline Lu₂O₃(Eu) powder for high-resolution X-ray imaging detectors. Journal of Instrumentation, 2012, 7, C03048-C03048.	1.2	7
197	Surface-to-core structure evolution of gradient BaTiO3-Ba1-xSrxTiO3 core-shell nanoparticles. Applied Surface Science, 2019, 487, 278-284.	6.1	7
198	Melamine-assisted synthesis of vanadium nitride quantum dots: Application for full-cell lithium-ion batteries. Journal of Alloys and Compounds, 2021, 888, 161522.	5.5	7

#	Article	IF	Citations
199	Effect of Silica Surface Dopants on the Formation of Alumina/Aluminum Composites by the Directed Metal Oxidation of an Aluminum Alloy. Journal of the American Ceramic Society, 2001, 84, 2526-2530.	3.8	6
200	Fatigue Damage in Ceramic Coatings From Cyclic Contact Loading With a Tangential Component. Journal of the American Ceramic Society, 2008, 91, 198-202.	3.8	6
201	Cracking of densely coated layer adhesively bonded to porous substrates under Hertzian stress. Journal of Materials Science, 2007, 42, 9116-9120.	3.7	6
202	Ceramic scintillator-coupled linear array PIN photodiode for X-ray scanner. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 579, 208-212.	1.6	6
203	Characterization and imaging performance of nanoscintillator screen for high resolution X-ray imaging detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 633, S294-S296.	1.6	6
204	Mechanical properties of Câ€“SiC composite materials fabricated by the Siâ€“Cr alloy melt-infiltration method. Journal of Composite Materials, 2015, 49, 3057-3066.	2.4	6
205	Polycrystalline 1-D TiN-based free-standing composite electrode for high performance of Li-polysulfide cells. Applied Surface Science, 2019, 495, 143544.	6.1	6
206	Synthesis of One-dimensional Spinel LiMn₂O₄Nanostructures as a Positive Electrode in Lithium Ion Battery. Journal of the Korean Ceramic Society, 2011, 48, 379-383.	2.3	6
207	The effect of grain boundary phase on contact damage resistance of alumina ceramics. Journal of Materials Science, 2004, 39, 7023-7030.	3.7	5
208	Effect of Grain Boundary Phase on Contact Damage Resistance of Silicon Nitride Ceramics. Key Engineering Materials, 2005, 287, 421-426.	0.4	5
209	Hydrothermal Synthesis and Dielectric Properties of Ba1â^'xSrxTiO3 Nanoparticles with Enhanced Uniformity. Journal of Nanoscience and Nanotechnology, 2016, 16, 11652-11657.	0.9	5
210	Flexural Strength and Dielectric Properties of in-situ Si3N4-SiO2-BN Composite Ceramics. Journal of the Korean Ceramic Society, 2014, 51, 386-391.	2.3	5
211	Static and Dynamic Indentation Damage in SiC and Si₃N₄. Key Engineering Materials, 2005, 287, 410-415.	0.4	4
212	Selfâ€Powered Devices: Selfâ€Powered Wireless Sensor Node Enabled by an Aerosolâ€Deposited PZT Flexible Energy Harvester (Adv. Energy Mater. 13/2016). Advanced Energy Materials, 2016, 6, .	19.5	4
213	Electrical Properties of DC Sputtered Titanium Nitride Films with Different Processing Conditions and Substrates. Journal of the Korean Ceramic Society, 2005, 42, 455-460.	2.3	4
214	High-Temperature Fracture Strength of a CVD-SiC Coating Layer for TRISO Nuclear Fuel Particles by a Micro-Tensile Test. Journal of the Korean Ceramic Society, 2015, 52, 441-448.	2.3	4
215	Interface reactions between manganese zinc ferrite single crystals and SiO2â€PbOâ€ZnO ternary systems. Journal of Applied Physics, 1995, 78, 7045-7052.	2.5	3
216	Synthesis and Sintering Behavior of Nano Crystalline Gd-Doped Ceria. Materials Science Forum, 2007, 539-543, 1373-1378.	0.3	3

#	Article	IF	Citations
217	Dielectric Properties of Î²-SiAlON at High Temperature Using Perturbation Method. Key Engineering Materials, 2008, 403, 121-123.	0.4	3
218	SHOCK COMPACTION OF Gd-DOPED CERIA CERAMICS. International Journal of Modern Physics B, 2008, 22, 1686-1691.	2.0	3
219	Crack and Shock Propagation Through the Interlayer in Soda Lime Glass Under Detonation Loading. International Journal of Applied Glass Science, 2016, 7, 104-117.	2.0	3
220	Freeze-casted TiO2 photoelectrodes with hierarchical porous structures for efficient light harvesting ability in dye-sensitized solar cells. Applied Surface Science, 2018, 449, 405-411.	6.1	3
221	Mechanical Properties of 2-D Silica-Silica Continuous Fiber-reinforced Ceramic-matrix Composite Fabricated by Sol-Gel Infiltration. Korean Journal of Materials Research, 2009, 19, 391~396-391~396.	0.2	3
222	Effect of TaB2 Addition on the Oxidation Behaviors of ZrB2-SiC Based Ultra-High Temperature Ceramics. Korean Journal of Materials Research, 2010, 20, 217~222-217~222.	0.2	3
223	Direct Strength Evaluation of the CVD SiC Coating of TRISO Coated Fuel Particle with Micro Hemi Spherical Shell Configuration. Journal of the Korean Ceramic Society, 2007, 44, 368-374.	2.3	3
224	Polysulfide regulation vs anode modification: Perspectives on commercializing lithiumâ€“sulfur batteries. APL Materials, 2022, 10, .	5.1	3
225	Superconductivity and electric field effect of 90 degree grain boundaries in YBa2Cu/sub 3/O/sub 7-x/ thin films. IEEE Transactions on Applied Superconductivity, 1997, 7, 2184-2187.	1.7	2
226	Material and geometrical design for high reliability bilayer. Metals and Materials International, 2001, 7, 531-537.	3.4	2
227	Hertzian and Nanoindentations on EBPVD-Coated Gadolinium Zirconate Thermal Barrier Materials. Solid State Phenomena, 2007, 124-126, 1349-1353.	0.3	2
228	DEFORMATION BEHAVIORS OF Zr-BASED BULK METALLIC GLASS UNDER IMPACT INDENTATION. International Journal of Modern Physics B, 2008, 22, 1775-1782.	2.0	2
229	Effect of Second Phase After-Heat Treatment on the Thermal Conductivity of AlN Ceramics. Key Engineering Materials, 2008, 403, 61-63.	0.4	2
230	CNT-Coated Quartz Woven Fabric Electrodes for Robust Lithium-ion Structural Batteries. Applied Sciences (Switzerland), 2020, 10, 8622.	2.5	2
231	Interfacial Microstructure of Diffusion-Bonded W-25Re/Ti/Graphite Joint and Its High-Temperature Stability. Korean Journal of Materials Research, 2016, 26, 751-756.	0.2	2
232	Synthesis of Monodisperse Spherical SiO2and Self-Assembly for Photonic Crystals. Journal of the Korean Ceramic Society, 2009, 46, 472-477.	2.3	2
233	Synthesis and Characterization of LSGM Solid Electrolyte for Solid Oxide Fuel Cell. Journal of the Korean Ceramic Society, 2007, 44, 696-702.	2.3	2
234	Eliciting Specific Electrochemical Reaction Behavior by Rational Design of a Red Phosphorus Electrode for Sodium-Ion Batteries. Nanomaterials, 2021, 11, 3053.	4.1	2

#	Article	IF	Citations
235	Novel Microstructure of Microwave-Sintered Silicon Nitride Doped with Al2O3 and Y2O3. Ceramic Engineering and Science Proceedings, 0, , 505-510.	0.1	1
236	Microstructure and fracture toughness of SiC-platelet reinforced SiC. Journal of Materials Science Letters, 2002, 21, 1343-1345.	0.5	1
237	Large Area Synthesis of 1-D ZnO Nanostructure Arrays on Zn Substrate via Solvothermal Process. Solid State Phenomena, 2007, 124-126, 1169-1172.	0.3	1
238	Characterization of Mechanical Properties of Brittle Coating Systems by Various Indentation Techniques. Key Engineering Materials, 2007, 352, 53-58.	0.4	1
239	EXPLOSIVE INDENTATION STUDY OF B₄C-TiAl_{x} COMPOSITES FABRICATED BY THE DIPPING EXOTHERMIC REACTION PROCESS. International Journal of Modern Physics B, 2008, 22, 1263-1268.	2.0	1
240	CHARACTERIZATION OF SUBSURFACE DAMAGE OF EXPLOSIVELY INDENTED SILICON NITRIDE CERAMICS. International Journal of Modern Physics B, 2008, 22, 1504-1509.	2.0	1
241	The Effects of Propionic Acid on Nano-Sized BaTiO₃ Particles Synthesized by a Hydrothermal Method. Journal of Nanoscience and Nanotechnology, 2014, 14, 8056-8060.	0.9	1
242	Prussian Blue Analogous Na2Ni0.33Co0.33[Fe(CN)6] Nanoparticles as Cathode Material for Non-Aqueous Na-Ion Batteries. ECS Journal of Solid State Science and Technology, 2021, 10, 061012.	1.8	1
243	Contact Damage Behavior of Tin-Coated Si3 N4 Ceramics. Ceramic Transactions, 0, , 409-415.	0.1	1
244	Comparative Study of Heat Treatment on <I>Î±</I>-MoO₃ Nanorods as an Electrode Material for Lithium Ion Batteries. Nanoscience and Nanotechnology Letters, 2016, 8, 109-112.	0.4	1
245	Cracking Behavior Under Contact Stress in Densely Coated Porous Engineering Ceramics. Journal of the Korean Ceramic Society, 2005, 42, 554-560.	2.3	1
246	Synthesis and Compaction Behavior of Monodispersed 3Y-ZrO2Spherical Agglomerates. Journal of the Korean Ceramic Society, 2013, 50, 434-438.	2.3	1
247	Growth of Al2O3/Al Composite by Directed Metal Oxidation of Al Surface Doped with Sodium Source. Journal of the Korean Ceramic Society, 2013, 50, 439-445.	2.3	1
248	Damage-Resistant Brittle Coatings. Advanced Engineering Materials, 2000, 2, 745-748.	3.5	1
249	Contribution of subregular solution model to binary oxide system. Journal of Materials Science Letters, 1989, 8, 603-604.	0.5	0
250	Interface Reactions between Manganese Zinc Ferrite Single Crystals andSiO2â€“PbOâ€“ZnOâ€“MnOSystems. Japanese Journal of Applied Physics, 1996, 35, 3553-3558.	1.5	0
251	High quality YBa2Cu3O7â^'x/SrTiO3 bilayers for superconducting electric field effect transistor. Physica C: Superconductivity and Its Applications, 1997, 282-287, 695-696.	1.2	0
252	Investigation on Fracture Behavior of Armor Ceramics Against HEAT Penetration. International Journal of Impact Engineering, 2003, 29, 631-638.	5.0	0

#	Article	IF	Citations
253	Damage to Brittle Coating Layer with Compliant Substrate from Concentrated Loads. Key Engineering Materials, 2003, 247, 287-292.	0.4	0
254	Synthesis and Characterization of Monodispersed Rare-earth Ion Doped CeO2 Coated on SiO2 Spheres. Materials Research Society Symposia Proceedings, 2008, 1074, 1.	0.1	0
255	Hydrothermal synthesis and characterization of nano Gd<inf>2</inf>O<inf>3</inf>(Eu) scintillator for high resolution X-ray imaging application. , 2009, , .		0
256	Mie resonator method for reliable permittivity measurement of loss-less ceramics in microwave frequency at high temperature. Journal of Applied Physics, 2019, 126, 094101.	2.5	0
257	Characterization of Subsurface Damage in Si₃N₄Ceramics with Static and Dynamic Indentation. Journal of the Korean Ceramic Society, 2005, 42, 537-541.	2.3	0
258	Effect of MgO Diluents in Combustion Synthesis of TiB2Nano Particles. Journal of the Korean Ceramic Society, 2005, 42, 607-612.	2.3	0
259	Synthesis of Nanocrystalline Ceria for IT-SOFC by Glycine Nitrate Combustion Process. Journal of the Korean Ceramic Society, 2005, 42, 821-826.	2.3	0
260	Research Trends and Applications of Y2O3-MgO Polycrystalline Nanocomposite for Infrared Transparent Ceramics. Ceramist, 2020, 23, 272-285.	0.1	0
261	Anisotropic Mechanical Properties of Al2O3/Al Composities Produced by Direct Melt Oxidation. Ceramic Engineering and Science Proceedings, 0, , 643-651.	0.1	0