## Dang-Hyok Yoon

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Review on transparent polycrystalline ceramics. Journal of the Korean Ceramic Society, 2022, 59, 1-24.	2.3	9
2	Fabrication and photoluminescence of γ-AlON:Sm and Yb. Journal of the European Ceramic Society, 2022, 42, 1348-1353.	5.7	4
3	Effects of impurities on the slip viscosity and sintered properties of low-soda easy-sintered α-alumina. Journal of the Korean Ceramic Society, 2022, 59, 595-603.	2.3	5
4	Joining of alumina using magnesium- or calcium-aluminosilicate glass–ceramic fillers. Ceramics International, 2022, 48, 21532-21542.	4.8	7
5	Joining of Ti-coated monolithic SiC using a SiCw/Ti3SiC2 filler by electric field-assisted sintering. Journal of the European Ceramic Society, 2021, 41, 1834-1840.	5.7	16
6	Transparent polycrystalline Î <sup>3</sup> -AlON fabricated using a hybrid sintering process. Scripta Materialia, 2021, 194, 113715.	5.2	15
7	Characterization of complex die-pressed Al2O3 green compact using liquid immersion, X-ray tomography, and numerical simulations. Journal of the European Ceramic Society, 2021, 41, 4558-4566.	5.7	1
8	Modification of a low-soda easy-sintered $\hat{l}\pm$ -Al2O3 powder for the application in semiconductor/display production equipment. Korean Journal of Chemical Engineering, 2021, 38, 2541-2548.	2.7	6
9	Microstructural observation of complex-shaped green ceramic compact and numerical simulation with special consideration on crack formation. Ceramics International, 2021, 47, 32179-32186.	4.8	0
10	Plasma etching properties of various transparent ceramics. Ceramics International, 2020, 46, 2895-2900.	4.8	13
11	Solid-state joining of SiC using a thin Ti3AlC2, TiC, or Ti filler. Journal of the European Ceramic Society, 2020, 40, 2716-2720.	5.7	11
12	Joining of SiCf/SiC using a layered Ti3SiC2-SiCw and TiC gradient filler. Journal of the European Ceramic Society, 2020, 40, 1043-1051.	5.7	17
13	Fabrication of SiCw/Ti3SiC2 composites with improved thermal conductivity and mechanical properties using spark plasma sintering. Journal of Advanced Ceramics, 2020, 9, 462-470.	17.4	49
14	Fabrication of SiCf/Ti3SiC2 by the electrophoresis of highly dispersed Ti3SiC2 powder. Ceramics International, 2020, 46, 18168-18174.	4.8	11
15	Effects of various rare-earth additives on the sintering and transmittance of Î <sup>3</sup> -AlON. Journal of the European Ceramic Society, 2020, 40, 3235-3243.	5.7	20
16	A review on the joining of SiC for high-temperature applications. Journal of the Korean Ceramic Society, 2020, 57, 246-270.	2.3	44
17	Granule rearrangement and pore structure of a spray-dried alumina compact observed by X-ray tomography. Journal of the European Ceramic Society, 2020, 40, 2445-2452.	5.7	6
18	Transparent Polycrystalline Î <sup>3</sup> -AlON Ceramics. Ceramist, 2020, 23, 244-260.	0.1	1

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19	Fabrication of transparent Î <sup>3</sup> -AlON by direct 2-step pressureless sintering of Al2O3 and AlN using an AlN-deficient composition. Journal of the European Ceramic Society, 2019, 39, 4673-4679.	5.7	32
20	Formation of CeO2 coatings on Si–SiC foams by electrophoretic deposition and sintering in air. Ceramics International, 2019, 45, 15603-15608.	4.8	3
21	Fabrication and mechanical behavior of ZrB2 strengthened SiCf/SiC composites prepared by hybrid processing route. Ceramics International, 2019, 45, 3648-3656.	4.8	4
22	Fabrication of Mullite-Bonded Porous SiC Using Ti3AlC2 MAX Phase. Journal of the Korean Ceramic Society, 2019, 56, 191-196.	2.3	3
23	Effects of Reactive Air Brazing Parameters on the Interfacial Microstructure and Shear Strength of GDC–LSM/Crofer 22 APU Joints. Journal of the Korean Ceramic Society, 2019, 56, 394-398.	2.3	3
24	Joining of SiCf/SiC using polycarbosilane and polysilazane preceramic mixtures. Ceramics International, 2018, 44, 10443-10450.	4.8	23
25	Interfacial microstructure and shear strength of reactive air brazed oxygen transport membrane ceramic–metal alloy joints. Metals and Materials International, 2018, 24, 157-169.	3.4	16
26	Effects of sintering additives on the microstructural and mechanical properties of the ion-irradiated SiCf/SiC. Journal of Nuclear Materials, 2018, 503, 226-234.	2.7	12
27	Joining of SiC monoliths using a thin MAX phase tape and the elimination of joining layer by solid-state diffusion. Journal of the European Ceramic Society, 2018, 38, 3433-3440.	5.7	33
28	Joining of SiCf/SiC using a Ti3AlC2 filler and subsequent elimination of the joining layer. Ceramics International, 2018, 44, 22943-22949.	4.8	13
29	Efficacy of Ag–CuO Filler Tape for the Reactive Air Brazing of Ceramic–Metal Joints. Journal of the Korean Ceramic Society, 2018, 55, 492-497.	2.3	12
30	Thermal batteries with ceramic felt separators – Part 2: Ionic conductivity, electrochemical and mechanical properties. Ceramics International, 2017, 43, 4023-4028.	4.8	17
31	Fabrication of tubular SiCf/SiC using different preform architectures by electrophoretic deposition and hot pressing. Ceramics International, 2017, 43, 7618-7626.	4.8	11
32	Fabrication of tough SiCf/SiC composites by electrophoretic deposition using a fabric coated with FeO-catalyzed phenolic resin. Journal of the European Ceramic Society, 2017, 37, 1311-1320.	5.7	9
33	Thermal batteries with ceramic felt separators – Part 1: Wetting, loading behavior and chemical stability. Ceramics International, 2017, 43, 4015-4022.	4.8	11
34	Fabrication of SiCf/SiC and integrated assemblies for nuclear reactor applications. Ceramics International, 2017, 43, 17211-17215.	4.8	24
35	Effects of post-sintering annealing on the microstructure and toughness of hot-pressed SiCf/SiC composites with Al2O3-Y2O3 additions. Ceramics International, 2017, 43, 13330-13338.	4.8	6
36	Synthesis, Structural, and Magnetic Properties of Co-doped and Mn-doped ZnO Nanocrystalline DMS Prepared by the Facile Polyvinyl Alcohol Gel Method. Journal of Superconductivity and Novel Magnetism, 2017, 30, 203-208.	1.8	4

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37	Low Pressure Joining of SiCf/SiC Composites Using Ti3AlC2 or Ti3SiC2 MAX Phase Tape. Journal of the Korean Ceramic Society, 2017, 54, 340-348.	2.3	19
38	Microstructure-flexural strength correlation and efficacy of rare earth nitrates on the sintering of SiCf/SiC composites. Journal of the European Ceramic Society, 2016, 36, 991-999.	5.7	9
39	Microstructure-fracture behavior correlation of toughened SiCf/SiC composites prepared by vacuum infiltration and hot pressing. Ceramics International, 2016, 42, 8713-8723.	4.8	5
40	Sintering additives for SiC based on the reactivity: A review. Ceramics International, 2016, 42, 17947-17962.	4.8	119
41	Joining of metal-ceramic using reactive air brazing for oxygen transport membrane applications. Materials and Design, 2016, 109, 233-241.	7.0	35
42	Reactive air brazing of GDC–LSCF ceramics using Ag–10 wt% CuO paste for oxygen transport membrane applications. Ceramics International, 2016, 42, 16392-16395.	4.8	19
43	Controlling the Magnetic Properties of Nickel Ferrites by Doping with Different Divalent Transition Metal (Co, Cu, and Zn) Cations. Journal of Superconductivity and Novel Magnetism, 2016, 29, 439-445.	1.8	26
44	Effects of the Sintering Conditions on the Structural Phase Evolution and T C of Bi1.6Pb0.4Sr2Ca2Cu3O7 Prepared Using the Citrate sol–gel Method. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1491-1497.	1.8	17
45	Effects of Sc2O3 sintering aid for the densification and mechanical properties of SiC–ZrB2 composites. Ceramics International, 2016, 42, 7300-7308.	4.8	10
46	Effect of sintering atmosphere on the grain growth and hardness of SiC/polysilazane ceramic composites. Advances in Applied Ceramics, 2016, 115, 272-275.	1.1	8
47	Fabrication of the tube-shaped SiCf/SiC by hot pressing. Ceramics International, 2015, 41, 7890-7896.	4.8	28
48	Synthesis and Characterization of Bi1.6Pb0.4Sr2Ca2Cu3O7 Superconducting Oxide by High-Energy Milling. Journal of Superconductivity and Novel Magnetism, 2015, 28, 2259-2266.	1.8	21
49	Fabrication of SiCf/SiC composites by alternating current electrophoretic deposition (AC–EPD) and hot pressing. Journal of the European Ceramic Society, 2015, 35, 503-511.	5.7	32
50	Formation of a Carbon Interphase Layer on SiC Fibers Using Electrophoretic Deposition and Infiltration Methods. Journal of the Korean Ceramic Society, 2015, 52, 284-289.	2.3	2
51	Low-Temperature Neutron Diffraction and Magnetic Properties of La1.2Sr0.9Ca0.9Mn2O7. Journal of Superconductivity and Novel Magnetism, 2014, 27, 2501-2506.	1.8	2
52	Effects of high-energy milling on the solid-state synthesis of pure nano-sized Li4Ti5O12 for high power lithium battery applications. Applied Physics A: Materials Science and Processing, 2014, 114, 925-930.	2.3	14
53	Highly dense and fine-grained SiC with a Sc-nitrate sintering additive. Journal of the European Ceramic Society, 2014, 34, 825-830.	5.7	15
54	Fabrication of cylindrical SiCf/Si/SiC-based composite by electrophoretic deposition and liquid silicon infiltration. Journal of the European Ceramic Society, 2014, 34, 1131-1138.	5.7	25

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55	Aqueous electrophoretic deposition of SiC using asymmetric AC electric fields. Ceramics International, 2014, 40, 12609-12612.	4.8	10
56	Properties of alumina matrix composites reinforced with SiC whisker and carbon nanotubes. Ceramics International, 2014, 40, 14375-14383.	4.8	25
57	Properties of Al2O3-SiCwComposites Fabricated by Three Preparation Methods. Journal of the Korean Ceramic Society, 2014, 51, 392-398.	2.3	Ο
58	Metal oxide additives for the sintering of silicon carbide: Reactivity and densification. Current Applied Physics, 2013, 13, 287-292.	2.4	57
59	Rare-earth nitrate additives for the sintering of silicon carbide. Journal of the European Ceramic Society, 2013, 33, 2915-2923.	5.7	42
60	Improved field emission stability and uniformity of printed carbon nanotubes prepared using high energy-milled glass frit. Current Applied Physics, 2013, 13, 1477-1481.	2.4	6
61	Rare-earth oxide additives for the sintering of silicon carbide. Diamond and Related Materials, 2013, 38, 124-130.	3.9	42
62	Phase formation of Si-based ceramic composites from polyureasilazane prepared by hot pressing and EFAS. Scripta Materialia, 2013, 69, 127-130.	5.2	1
63	Solid-state synthesis of Li4Ti5O12 for high power lithium ion battery applications. Journal of Alloys and Compounds, 2013, 570, 144-149.	5.5	47
64	Effect of hexagonal-BN on phase transformation of additive-free Si3N4/SiC nanocomposites prepared from amorphous precursor. Transactions of Nonferrous Metals Society of China, 2013, 23, 420-425.	4.2	5
65	Effects of Al2O3-RE2O3Additive for the Sintering of SiC and the Fabrication of SiCf/SiC Composites. Journal of the Korean Ceramic Society, 2013, 50, 364-371.	2.3	4
66	Effects of <scp><scp>TiO</scp></scp> <sub>2</sub> Starting Materials on the Solidâ€State Formation of <scp><scp>Li</scp></scp> <sub>4</sub> <scp><scp>Ti</scp><scp></scp><scp></scp><scp></scp><scp>O</scp></scp> <scp>O</scp>	su <b>b.</b> 812 <td>subza.</td>	subza.
67	Synthesis of pure nano-sized Li4Ti5O12 powder via solid-state reaction using very fine grinding media. Ceramics International, 2012, 38, 6963-6968.	4.8	17
68	Effects of Li/Ti ratios on the electrochemical properties of Li4Ti5O12 examined by time-resolved X-ray diffraction. Applied Physics A: Materials Science and Processing, 2012, 107, 769-775.	2.3	12
69	Effects of post-treatments on the electrochemical properties of solid-state reacted Li4Ti5O12—high energy milling and annealing. Journal of Electroceramics, 2012, 28, 178-184.	2.0	12
70	One component metal oxide sintering additive for Î <sup>2</sup> -SiC based on thermodynamic calculation and experimental observations. Metals and Materials International, 2012, 18, 63-68.	3.4	20
71	Effects of the starting materials and mechanochemical activation on the properties of solid-state reacted Li4Ti5O12 for lithium ion batteries. Ceramics International, 2012, 38, 301-310.	4.8	46
72	Properties of SiC <sub>f</sub> /SiC composites fabricated by slurry infiltration and hot pressing. Materials Science and Technology, 2011, 27, 257-263.	1.6	16

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73	Thermal Decomposition of Degassed Barium Titanyl Oxalate: In Comparison to the Solid-State Reaction Mechanism. Journal of the American Ceramic Society, 2011, 94, 59-65.	3.8	1
74	One component metal sintering additive for β-SiC based on thermodynamic calculation and experimental observations. Materials Research Bulletin, 2011, 46, 1186-1191.	5.2	18
75	Formation mechanism of barium titanate by thermal decomposition of barium titanyl oxalate. Ceramics International, 2011, 37, 669-672.	4.8	9
76	Effects of Hot Pressing Condition on the Properties of SiCf/SiC Composites. Journal of the Korean Ceramic Society, 2011, 48, 335-341.	2.3	3
77	Lowering the sintering temperature of Gd-doped ceria by mechanochemical activation. Ceramics International, 2010, 36, 371-374.	4.8	19
78	Effect of temperature schedule on the particle size of barium titanate during solid-state reaction. Materials Letters, 2010, 64, 170-172.	2.6	13
79	Effects of impurities on the properties of BaTiO3 synthesized from barium titanyl oxalate. Ceramics International, 2010, 36, 1997-2002.	4.8	14
80	Prevention of Grain Growth during the Liquid-Phase Assisted Sintering of β-SiC. Journal of the Korean Ceramic Society, 2010, 47, 485-490.	2.3	5
81	Improvement of SiCf/SiC density by slurry infiltration and tape stacking. Materials Research Bulletin, 2009, 44, 2116-2122.	5.2	40
82	Properties of BaTiO3 synthesized from barium titanyl oxalate. Ceramics International, 2009, 35, 2337-2342.	4.8	17
83	Fabrication of SiCf/SiC Composites using an Electrophoretic Deposition. Journal of the Korean Ceramic Society, 2009, 46, 447-451.	2.3	15
84	Milling and dispersion of multi-walled carbon nanotubes in texanol. Applied Surface Science, 2008, 254, 3412-3419.	6.1	60
85	Field emission properties of carbon nanotube pastes examined using design of experiments. Journal of Materials Science: Materials in Electronics, 2008, 19, 17-23.	2.2	7
86	Optimization of field emission properties from multi-walled carbon nanotubes using ceramic fillers. Applied Physics A: Materials Science and Processing, 2008, 93, 511-516.	2.3	6
87	Dispersion and field emission properties of multi-walled carbon nanotubes by high-energy milling. Materials Chemistry and Physics, 2008, 110, 363-369.	4.0	13
88	Field emission from multi-walled carbon nanotubes with various fillers. Materials Letters, 2008, 62, 2795-2798.	2.6	8
89	Effects of heat treatment and particle size on the tetragonality of nano-sized barium titanate powder. Ceramics International, 2007, 33, 1357-1362.	4.8	28
90	Thin intergranular films and solid-state activated sintering in nickel-doped tungsten. Acta Materialia, 2007. 55. 3131-3142.	7.9	190

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91	Tetragonality of nano-sized barium titanate powder prepared with growth inhibitors upon heat treatment. Journal of the European Ceramic Society, 2007, 27, 247-252.	5.7	19
92	Synthesis of fine Ca-doped BaTiO3 powders by solid-state reaction method—Part II: Rheological study on milling. Journal of Electroceramics, 2007, 18, 1-7.	2.0	4
93	Synthesis of fine Ca-doped BaTiO3 powders by solid-state reaction method—Part I: Mechanical activation of starting materials. Journal of Electroceramics, 2007, 18, 243-250.	2.0	25
94	Solid-state synthesis of nano-sized BaTiO3 powder with high tetragonality. Journal of Materials Science, 2007, 42, 7093-7099.	3.7	37
95	Effects of Excess Barium Ions on Aqueous Barium Titanate Tape Properties. Journal of the American Ceramic Society, 2004, 87, 1066-1071.	3.8	6
96	Processing of barium titanate tapes with different binders for MLCC applications—Part I: Optimization using design of experiments. Journal of the European Ceramic Society, 2004, 24, 739-752.	5.7	51
97	Processing of barium titanate tapes with different binders for MLCC applications—Part II: Comparison of the properties. Journal of the European Ceramic Society, 2004, 24, 753-761.	5.7	35
98	Short-range dissolution–precipitation crystallization of hydrothermal barium titanate. Journal of the European Ceramic Society, 2004, 24, 3553-3557.	5.7	38
99	Effects on aqueous barium titanate tape properties of passivation of barium ion leaching by using dispersants. Journal of the European Ceramic Society, 2004, 24, 3747-3752.	5.7	9
100	Barium ion leaching from barium titanate powder in water. Journal of Materials Science: Materials in Electronics, 2003, 14, 165-169.	2.2	23
101	Dielectric constant and mixing model of BaTiO3 composite thick films. Materials Research Bulletin, 2003, 38, 765-772.	5.2	103
102	Optimization of an Interphase Thickness in Hot-Pressed SiCf/SiC Composites. Ceramic Engineering and Science Proceedings, 0, , 77-82.	0.1	2