

# Heekyu choi

## List of Publications by Year in descending order

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30  
papers

669  
citations

759233

12  
h-index

552781

26  
g-index

30  
all docs

30  
docs citations

30  
times ranked

778  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Friction Coefficient from DEM Simulation in Grinding Zone of the Ball Mill. Korean Journal of Materials Research, 2021, 31, 286-295.	0.2	2
2	Particle morphology control of metal powder with various experimental conditions using ball milling. Powder Technology, 2021, 394, 181-190.	4.2	27
3	Al/CNT nanocomposite fabrication on the different property of raw material using a planetary ball mill. Advanced Powder Technology, 2020, 31, 1957-1962.	4.1	19
4	Effect of Different Milling Media for Surface Coating on the Copper Powder Using Two Kinds of Ball Mills with Discrete Element Method Simulation. Coatings, 2020, 10, 898.	2.6	14
5	Effect of Different Raw Material Property for the Fabrication on Al/CNT Nanocomposite Using a Ball Mill with a Discrete Element Method (DEM) Simulation. Materials, 2019, 12, 3291.	2.9	8
6	Surface coating copper powder with carbon nanotubes using traditional and stirred ball mills under various experimental conditions. Particuology, 2018, 40, 177-182.	3.6	8
7	Cu/CNT nanocomposite fabrication with different raw material properties using a planetary ball milling process. Powder Technology, 2018, 323, 563-573.	4.2	47
8	Particle Morphology Change and Quantitative Input Energy Variation during Stirred Ball Milling Process by DEM Simulation on Various Experimental Conditions. Korean Journal of Materials Research, 2018, 28, 148-158.	0.2	1
9	The grinding behavior of ground copper powder for Cu/CNT nanocomposite fabrication by using the dry grinding process with a high-speed planetary ball mill. Journal of the Korean Physical Society, 2016, 68, 147-153.	0.7	5
10	Particle Morphology Change and Different Experimental Condition Analysis during Composites Fabrication Process by Conventional Ball Mill with Discrete Element Method(DEM) Simulation. Korean Journal of Materials Research, 2016, 26, 611-622.	0.2	1
11	Comparative Study for the Standardization of Grinding Equipment During Dry Grinding Process by Various Grinding Mills. Korean Journal of Materials Research, 2015, 25, 305-316.	0.2	1
12	Thermal Conductivity of $\text{TiO}_2$ Nanoparticles Based Aqueous Nanofluids with an Addition of a Modified Silver Particle. Industrial & Engineering Chemistry Research, 2014, 53, 8445-8451.	3.7	141
13	New evaluation method for the kinetic analysis of the grinding rate constant via the uniformity of particle size distribution during a grinding process. Powder Technology, 2013, 247, 44-46.	4.2	7
14	Preparation by mechanical alloying of Al powders with single-, double-, and multi-walled carbon nanotubes for carbon/metal nanocomposites. Composites Science and Technology, 2013, 74, 91-98.	7.8	47
15	Grinding Behaviour of Aluminum Powder for Al/CNTs Nano Composites Fabrication by Dry Grinding Process Using a High Speed Planetary Ball Mill. Korean Journal of Materials Research, 2013, 23, 89-97.	0.2	4
16	A study on fiber-reinforced elastomer with a biphasic loading behavior. Science and Engineering of Composite Materials, 2012, 19, 339-345.	1.4	0
17	The Ball Milling with Various Rotation Speeds Assisted to Dispersion of the Multi-Walled Carbon Nanotubes. Nanoscience and Nanotechnology Letters, 2012, 4, 20-29.	0.4	13
18	Effect of the Sample Concentration on the Submicrometer Particles Produced During a Stirred Ball Milling of Calcite Powders. International Journal of Applied Ceramic Technology, 2011, 8, 1147-1152.	2.1	8

#	ARTICLE	IF	CITATIONS
19	Effect of Ar <sup>+</sup> irradiation on the electrical conductivity of BaCe <sub>0.9</sub> Y <sub>0.1</sub> O <sub>3</sub> . Applied Surface Science, 2011, 257, 8876-8882.	6.1	6
20	Optimum refractive index of poly-component particulate systems for measurement of particle size distribution by laser diffraction method analyzer. Materials Chemistry and Physics, 2009, 117, 18-22.	4.0	10
21	Structural and Magnetic Properties of Co Doped CeO <sub>2</sub> Nano-Particles. IEEE Transactions on Magnetics, 2009, 45, 2439-2441.	2.1	26
22	A comparative study of particle size analysis in fine powder: The effect of a polycomponent particulate system. Korean Journal of Chemical Engineering, 2009, 26, 300-305.	2.7	10
23	Application of grinding kinetics analysis of inorganic powders by a stirred ball mill. Korean Journal of Chemical Engineering, 2009, 26, 1806-1812.	2.7	5
24	Analysis of Grinding Rate Constant on a Stirred Ball Mill Using Discrete Element Method Simulation. Journal of the American Ceramic Society, 2009, 92, 531-534.	3.8	7
25	Mechanical alloying of multi-walled carbon nanotubes and aluminium powders for the preparation of carbon/metal composites. Carbon, 2009, 47, 3427-3433.	10.3	158
26	Effect of grinding aids on the kinetics of fine grinding energy consumed of calcite powders by a stirred ball mill. Advanced Powder Technology, 2009, 20, 350-354.	4.1	59
27	Ferromagnetism in Chemically-synthesized Co-doped ZnO. Journal of the Korean Physical Society, 2009, 55, 1060-1064.	0.7	19
28	The development of a high functional continuous filtration system for sericite powders. Korean Journal of Chemical Engineering, 2008, 25, 1165-1169.	2.7	0
29	Fracture behavior of carbon/epoxy laminated composite reinforced by iron powder. Korean Journal of Chemical Engineering, 2008, 25, 1208-1211.	2.7	4
30	Development of a high-performance cake-less continuous filtration system. Chemical Engineering Science, 2008, 63, 5274-5282.	3.8	12