Heekyu choi

List of Publications by Year
in descending order

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30	669	759233 12	552781 26
papers	citations	h-index	g-index

30	30	30	778
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Thermal Conductivity of TiO₂ Nanoparticles Based Aqueous Nanofluids with an Addition of a Modified Silver Particle. Industrial & Engineering Chemistry Research, 2014, 53, 8445-8451.	3.7	141
3	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
4	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
5	Cu/CNT nanocomposite fabrication with different raw material properties using a planetary ball milling process. Powder Technology, 2018, 323, 563-573.	4.2	47
6	Particle morphology control of metal powder with various experimental conditions using ball milling. Powder Technology, 2021, 394, 181-190.	4.2	27
7	Structural and Magnetic Properties of Co Doped CeO$_{2}$ Nano-Particles. IEEE Transactions on Magnetics, 2009, 45, 2439-2441.	2.1	26
8	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
9	Ferromagnetism in Chemically-synthesized Co-doped ZnO. Journal of the Korean Physical Society, 2009, 55, 1060-1064.	0.7	19
10	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
11	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
12	Development of a high-performance cake-less continuous filtration system. Chemical Engineering Science, 2008, 63, 5274-5282.	3.8	12
13	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
14	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
15	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
16	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
17	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
18	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

#	Article	IF	Citations
19	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
20	Effect of Ar+ irradiation on the electrical conductivity of BaCe0.9Y0.1O3â˜Ï´. Applied Surface Science, 2011, 257, 8876-8882.	6.1	6
21	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
22	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
23	Fracture behavior of carbon/epoxy laminated composite reinforced by iron powder. Korean Journal of Chemical Engineering, 2008, 25, 1208-1211.	2.7	4
24	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
25	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
26	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
27	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
28	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
29	The development of a high functional continuous filtration system for sericite powders. Korean Journal of Chemical Engineering, 2008, 25, 1165-1169.	2.7	0
30	A study on fiber-reinforced elastomer with a biphasic loading behavior. Science and Engineering of Composite Materials, 2012, 19, 339-345.	1.4	0