

Tae-jin Park

List of Publications by Year in descending order

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29
papers

2,564
citations

566801

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500791

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31
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31
docs citations

31
times ranked

3798
citing authors

#	ARTICLE	IF	CITATIONS
1	Size-Dependent Magnetic Properties of Single-Crystalline Multiferroic BiFeO ₃ Nanoparticles. Nano Letters, 2007, 7, 766-772.	4.5	1,135
2	Environmentally Friendly Methodologies of Nanostructure Synthesis. Small, 2007, 3, 1122-1139.	5.2	314
3	Purification strategies and purity visualization techniques for single-walled carbon nanotubes. Journal of Materials Chemistry, 2006, 16, 141-154.	6.7	210
4	Synthesis of classes of ternary metal oxide nanostructures. Chemical Communications, 2005, , 5721.	2.2	163
5	Composition-dependent magnetic properties of BiFeO_3 solution nanostructures. Physical Review B, 2010, 82, .	1.1	118
6	Synthesis and characterization of multiferroic BiFeO ₃ nanotubes. Chemical Communications, 2004, , 2708.	2.2	106
7	Synthesis and characterization of submicron single-crystalline Bi ₂ Fe ₄ O ₉ cubes. Journal of Materials Chemistry, 2005, 15, 2099.	6.7	99
8	Electronic Structure and Chemistry of Iron-Based Metal Oxide Nanostructured Materials: A NEXAFS Investigation of BiFeO ₃ , Bi ₂ Fe ₄ O ₉ , Fe_2O_3 , Fe_3O_4 , and Fe_3O_4 . Journal of Physical Chemistry C, 2008, 112, 10359-10369.	1.5	84
9	Surface phase transitions in BiFeO ₃ below room temperature. Physical Review B, 2012, 85, .	1.1	70
10	As-Prepared Single-Crystalline Hematite Rhombohedra and Subsequent Conversion into Monodisperse Aggregates of Magnetic Nanocomposites of Iron and Magnetite. Chemistry of Materials, 2006, 18, 5289-5295.	3.2	44
11	Green Synthesis and Property Characterization of Single-Crystalline Perovskite Fluoride Nanorods. Advanced Functional Materials, 2008, 18, 103-112.	7.8	37
12	Shape-dependent surface energetics of nanocrystalline TiO ₂ . Journal of Materials Chemistry, 2010, 20, 8639.	6.7	34
13	Low temperature heat capacity study of Ba ₂ TiSi ₂ O ₈ and Sr ₂ TiSi ₂ O ₈ . Journal of Chemical Thermodynamics, 2014, 72, 77-84.	1.0	31
14	Synthesis, characterization, and photocatalytic properties of pyrochlore Bi ₂ Ti ₂ O ₇ nanotubes. Journal of Materials Research, 2006, 21, 2941-2947.	1.2	25
15	Magnetic and Mössbauer characterization of the magnetic properties of single-crystalline sub-micron sized Bi ₂ Fe ₄ O ₉ cubes. Current Applied Physics, 2015, 15, 417-422.	1.1	17
16	Thermochemistry and Aqueous Durability of Ternary Glass Forming Ba-Titanosilicates: Fresnoite (Ba ₂ TiSi ₂ O ₈) and Ba-Titanite (BaTiSiO ₅). Journal of the American Ceramic Society, 2009, 92, 2053-2058.	1.9	13
17	The synthesized and thermally modified Mn-Ca-FeOOH composite in persulfate system: Its role to discolor methylene blue. Applied Surface Science, 2014, 301, 576-583.	3.1	11
18	Thermal behavior of groundwater-saturated Korean buffer under the elevated temperature conditions: In-situ synchrotron X-ray powder diffraction study for the montmorillonite in Korean bentonite. Nuclear Engineering and Technology, 2021, 53, 1511-1518.	1.1	9

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19	The Crystallization of Ba-Substituted CsTiSi ₂ O _{6.5} Pollucite Using CsTiSi ₂ O _{6.5} Seed Crystals. Journal of the American Ceramic Society, 2009, 92, 2144-2146.	1.9	8
20	Thermochemistry and Crystallization of Glass-Forming Y-Substituted Sr-Analogues of Fresnoite (Sr ₂ Ti ₂ O ₈). Journal of the American Ceramic Society, 2010, 93, 2055-2061.	1.9	8
21	The Effect of Vacancy and Barium Substitution on the Stability of the Cesium Titanium Silicate Pollucite. Journal of the American Ceramic Society, 2011, 94, 3053-3059.	1.9	8
22	Thermochemistry of glass forming Y-substituted Sr-analogues of titanite (SrTiSiO ₅). Journal of Materials Research, 2009, 24, 3380-3386.	1.2	6
23	Facile Aqueous-Phase Synthesis of Magnetic Iron Oxide Nanoparticles to Enhance the Removal of Iodine from Water. Science of Advanced Materials, 2017, 9, 1847-1853.	0.1	6
24	Sorption characteristics of iodide on chalcocite and mackinawite under pH variations in alkaline conditions. Nuclear Engineering and Technology, 2019, 51, 1041-1046.	1.1	2
25	Occurrence Characteristics and Existing Forms of U-Th Containing Minerals in KAERI Underground Research Tunnel(KURT) Granite. Economic and Environmental Geology, 2017, 50, 117-128.	0.2	2
26	Thermal conductivity evaluation for bentonite buffer materials under elevated temperature conditions. Case Studies in Thermal Engineering, 2022, 30, 101792.	2.8	2
27	Development of a natural analogue database to support the safety case of the Korean radioactive waste disposal program. Swiss Journal of Geosciences, 2015, 108, 139-146.	0.5	1
28	Conceptual Design of Sandglass-like Separator for Immobilized Anionic Radionuclides Using Particle Tracking Based on Computational Fluid Dynamics. Journal of Nuclear Fuel Cycle and Waste Technology, 2020, 18, 363-372.	0.1	0
29	Sorption Characteristics of Strontium and Nickel on Mackinawite According to pH Variations in Alkaline Conditions. Journal of Nuclear Fuel Cycle and Waste Technology, 2020, 18, 73-81.	0.1	0