Tae-jin Park

List of Publications by Year in Descending Order

28 papers	2,281 citations	14 h-index	31 g-index
31 ext. papers	2,436 ext. citations	4.6 avg, IF	4.53 L-index

#	Paper	IF	Citations
28	Thermal conductivity evaluation for bentonite buffer materials under elevated temperature conditions. *Case Studies in Thermal Engineering*, **2022**, 30, 101792	5.6	0
27	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	2.6	1
26	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	0.3	
25	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	0.3	
24	Sorption characteristics of iodide on chalcocite and mackinawite under pH variations in alkaline conditions. *Nuclear Engineering and Technology*, **2019**, 51, 1041-1046	2.6	1
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	2.3	4
22	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	2.1	
21	Magnetic and Mössbauer characterization of the magnetic properties of single-crystalline sub-micron sized Bi2Fe4O9 cubes. *Current Applied Physics*, **2015**, 15, 417-422	2.6	12
20	The synthesized and thermally modified Mn□Fe□FeOOH composite in persulfate system: Its role to discolor methylene blue. *Applied Surface Science*, **2014**, 301, 576-583	6.7	10
19	Low temperature heat capacity study of Ba2TiSi2O8 and Sr2TiSi2O8. *Journal of Chemical Thermodynamics*, **2014**, 72, 77-84	2.9	28
18	Surface phase transitions in BiFeO3 below room temperature. *Physical Review B*, **2012**, 85,	3.3	59
17	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	3.8	8
16	Thermochemistry and Crystallization of Glass-Forming Y-Substituted Sr-Analogues of Fresnoite (Sr2TiSi2O8). *Journal of the American Ceramic Society*, **2010**, 93, 2055	3.8	7
15	Composition-dependent magnetic properties of BiFeO3-BaTiO3 solid solution nanostructures. *Physical Review B*, **2010**, 82,	3.3	105
14	Shape-dependent surface energetics of nanocrystalline TiO2. *Journal of Materials Chemistry*, **2010**, 20, 8639		33
13	Thermochemistry and Aqueous Durability of Ternary Glass Forming Ba-Titanosilicates: Fresnoite (Ba2TiSi2O8) and Ba-Titanite (BaTiSiO5). *Journal of the American Ceramic Society*, **2009**, 92, 2053-2058	3.8	13
12	The Crystallization of Ba-Substituted CsTiSi2O6.5 Pollucite Using CsTiSi2O6.5 Seed Crystals. *Journal of the American Ceramic Society*, **2009**, 92, 2144-2146	3.8	8

11	Thermochemistry of glass forming Y-substituted Sr-analogues of titanite (SrTiSiO5). *Journal of Materials Research*, **2009**, 24, 3380-3386	2.5	5
10	Electronic Structure and Chemistry of Iron-Based Metal Oxide Nanostructured Materials: A NEXAFS Investigation of BiFeO3, Bi2Fe4O9, □Fe2O3, □Fe2O3, and Fe/Fe3O4. *Journal of Physical Chemistry C*, **2008**, 112, 10359-10369	3.8	75
9	Green Synthesis and Property Characterization of Single-Crystalline Perovskite Fluoride Nanorods. *Advanced Functional Materials*, **2008**, 18, 103-112	15.6	32
8	Environmentally friendly methodologies of nanostructure synthesis. *Small*, **2007**, 3, 1122-39	11	276
7	Size-dependent magnetic properties of single-crystalline multiferroic BiFeO3 nanoparticles. *Nano Letters*, **2007**, 7, 766-72	11.5	1005
6	Synthesis, characterization, and photocatalytic properties of pyrochlore Bi2Ti2O7 nanotubes. *Journal of Materials Research*, **2006**, 21, 2941-2947	2.5	25
5	Purification strategies and purity visualization techniques for single-walled carbon nanotubes. *Journal of Materials Chemistry*, **2006**, 16, 141-154		195
4	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	9.6	43
3	Synthesis of classes of ternary metal oxide nanostructures. *Chemical Communications*, **2005**, 5721-35	5.8	148
2	Synthesis and characterization of submicron single-crystalline Bi2Fe4O9 cubes. *Journal of Materials Chemistry*, **2005**, 15, 2099		91
1	Synthesis and characterization of multiferroic BiFeO3 nanotubes. *Chemical Communications*, **2004**, 2708-9	5.8	95