

Hyoung Chan Kim

List of Publications by Year in descending order

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times ranked

1447
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Modification of a Six-Capped Body-Centered Cube Ni ₉ W ₆ Cluster: Structure and Single-Molecule Magnetism. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7424-7426.	13.8	132
2	An End-On Azide-Bridged Antiferromagnetic Single-Chain Magnet Involving Spin Canting and Field-Induced Two-Step Magnetic Transitions. <i>Chemistry - A European Journal</i> , 2009, 15, 3661-3665.	3.3	98
3	Results of a New Generation of ITER TF Conductor Samples in SULTAN. <i>IEEE Transactions on Applied Superconductivity</i> , 2008, 18, 459-462.	1.7	60
4	Electrodischarge-Machinable Silicon Carbide Ceramics Sintered with Yttrium Nitrate. <i>Journal of the American Ceramic Society</i> , 2011, 94, 991-993.	3.8	60
5	Magnetic metal-organic framework constructed from a paramagnetic metalloligand exhibiting a significant sorption and reversible magnetic conversions. <i>Chemical Communications</i> , 2010, 46, 8779.	4.1	59
6	Doping effects of multiferroic manganites<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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19	Structure and magnetic properties of cyanide-bridged NiII ₉ MoV ₆ cluster modified by bidentate capping ligands. <i>Polyhedron</i> , 2008, 27, 299-303.	2.2	34
20	End-to-End Azide-Bridged Manganese(III) Chain Compounds: Field-Induced Magnetic Phase Transitions and Variation of χT to 38 K Depending on the Side Groups of the Schiff Bases. <i>Inorganic Chemistry</i> , 2011, 50, 10777-10785.	4.0	33
21	Cyanide-Bridged W ^V Mn ^{III} Single-Chain Magnet with Isolated Mn ^{III} Moieties Exhibiting Two Types of Relaxation Dynamics. <i>Inorganic Chemistry</i> , 2011, 50, 11306-11308.	4.0	32
22	Syntheses, crystal structures and magnetic properties of cyano- and phenoxide-bridged Fe(III)Mn(III) tetramers containing fac-Fe(III) tricyanides and Mn(III) Schiff bases. <i>Dalton Transactions</i> , 2009, , 1954.	3.3	30
23	Reversible Crystal to Amorphous Structural Conversion in the Single End-On Azide-Bridged Co ^{II} Complex: Concomitant Color and Magnetic Modulations. <i>Chemistry - A European Journal</i> , 2012, 18, 11541-11544.	3.3	28
24	A new [NiII ₄] distorted cubane assembly on four solvent derived 1/4 ³ -OMe corners: Solvent dependent formation and cleavage of exogenous bridges. <i>Polyhedron</i> , 2008, 27, 2372-2378.	2.2	26
25	Two W ^V Mn ^{III} bimetallic assemblies built by octacyanotungstate(V) and Mn ^{III} Schiff bases: molecular structures and a spin-flop transition. <i>Dalton Transactions</i> , 2007, , 2070-2076.	3.3	25
26	Solvent controlled synthesis of new hematite superstructures with large coercive values. <i>CrystEngComm</i> , 2012, 14, 2024.	2.6	23
27	Effect of Ti addition on hardness change during tempering in reduced activation ferritic/martensitic (RAFM) steels. <i>Journal of Nuclear Materials</i> , 2018, 508, 595-598.	2.7	22
28	Effect of Heat Input on Microstructure Evolution and Mechanical Properties in the Weld Heat-Affected Zone of 9Cr-2W-VTa Reduced Activation Ferritic-Martensitic Steel for Fusion Reactor. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 156-163.	2.2	18
29	Effect of constituent phase on mechanical properties of 9Cr-1WVTa reduced activation ferritic-martensitic steels. <i>Journal of Nuclear Materials</i> , 2014, 455, 421-425.	2.7	16
30	System analysis study for Korean fusion DEMO reactor. <i>Fusion Engineering and Design</i> , 2013, 88, 742-745.	1.9	11
31	Thermal and microstructural properties of spark plasma sintered tungsten for the application to plasma facing materials. <i>Fusion Engineering and Design</i> , 2019, 146, 2649-2653.	1.9	11
32	Tantalum and molybdenum barriers to prevent carbon diffusion in spark plasma sintered tungsten. <i>Scripta Materialia</i> , 2021, 196, 113759.	5.2	11
33	Manufacturing and testing of flat type W/Cu/CuCrZr mock-ups by HIP process with PVD coating. <i>Fusion Engineering and Design</i> , 2019, 146, 603-608.	1.9	10
34	Effect of concentrations of Ta and Ti on microstructure and mechanical properties of 9Cr-1W reduced activation ferritic/martensitic steel. <i>Fusion Engineering and Design</i> , 2020, 151, 111364.	1.9	10
35	Stress- and temperature-dependent hysteresis of the shear modulus of solid helium. <i>Physical Review B</i> , 2013, 87, .	3.2	9
36	Synthesis, structures, and magnetic properties of one-dimensional Fe-M (M=NiII, CuII) coordination polymers bridged by nitroprusside. <i>Inorganica Chimica Acta</i> , 2007, 360, 2523-2531.	2.4	8

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37	Development and Sultan Test Result of ITER Conductor Samples of Korea. IEEE Transactions on Applied Superconductivity, 2008, 18, 1084-1087.	1.7	8
38	Study on the weld characteristics of 316LN by magnetization measurement. Journal of Nuclear Materials, 2009, 386-388, 650-653.	2.7	8
39	Enhancement of mechanical properties by repeated heat treatment in reduced activation ferritic/martensitic steel with Ta and Ti. Journal of Nuclear Materials, 2021, , 153321.	2.7	6
40	Transverse Load Versus Mechanical Characteristics and Inter-Strand Resistances in the Cable of the "Option 2" Specification for ITER TF Conductor. IEEE Transactions on Applied Superconductivity, 2010, 20, 495-498.	1.7	4
41	An effect of heavy water in a Korean DEMO water cooled ceramic blanket (WCCB). Fusion Engineering and Design, 2013, 88, 2306-2308.	1.9	4
42	Analysis of hardness and microstructural changes in Tungsten mono-blocks exposed to high heat flux at 10 MW/m ² . Fusion Engineering and Design, 2021, 170, 112530.	1.9	3
43	Measurement of the Intrinsic Anomalous Hall Effect in a 2D Hole System with Rashba Spin-orbit Coupling. Journal of the Korean Physical Society, 2010, 57, 1933-1936.	0.7	3
44	Anomalous corrections to the Hall resistivity of spin-polarized holes in a two-dimensional $\text{GaAs}_{3.2}\text{Al}$ Physical Review B, 2009, 80, .	3.2	2
45	Reheating cracking susceptibility in the weld heat-affected zone of a reduced activation ferritic-martensitic steel for fusion reactors. Fusion Engineering and Design, 2017, 124, 1038-1041.	1.9	2
46	Influence of Heat Treatment on Mechanical Properties for Cold Worked 304 Austenitic Stainless Steel. Journal of Korean Institute of Metals and Materials, 2018, 56, 490-498.	1.0	2