

Jae-Hoon Park

List of Publications by Year in descending order

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64
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257450

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62
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docs citations

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times ranked

7057
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Observation of Orbital Driven Strong Interlayer Coupling in Puckered Two-Dimensional PdSe ₂ . Small, 2022, , 2106053.	10.0	6
2	Twofold van Hove singularity and origin of charge order in topological kagome superconductor CsV ₃ Sb ₅ . Nature Physics, 2022, 18, 301-308.	16.7	176
3	Multiferroic-Enabled Magnetic Excitons in 2D Quantum-Entangled Van der Waals Antiferromagnet Ni ₂ . Advanced Materials, 2022, 34, e2109144.	21.0	8
4	Orbital Order Melting at Reduced Dimensions. Nano Letters, 2022, 22, 1059-1066.	9.1	2
5	Direct Observation of Orbital Driven Strong Interlayer Coupling in Puckered Two-Dimensional PdSe ₂ (Small 9/2022). Small, 2022, 18, .	10.0	0
6	Multiferroic-Enabled Magnetic Excitons in 2D Quantum-Entangled Van der Waals Antiferromagnet Ni ₂ (Adv. Mater. 10/2022). Advanced Materials, 2022, 34, .	21.0	0
7	Tunable high-temperature itinerant antiferromagnetism in a van der Waals magnet. Nature Communications, 2021, 12, 2844.	12.8	29
8	Decay and renormalization of a longitudinal mode in a quasi-two-dimensional antiferromagnet. Nature Communications, 2021, 12, 5331.	12.8	11
9	Mapping Orbital-Resolved Magnetism in Single Lanthanide Atoms. ACS Nano, 2021, 15, 16162-16171.	14.6	7
10	Physical properties of the quasi-two-dimensional square lattice antiferromagnet BaO_7 . Physical Review B, 2021, 104, .	3.2	9
11	Unusual Pressure-Induced Quantum Phase Transition from Superconducting to Charge-Density Wave State in Rare-Earth-Based Heusler LuPd Compound. Physical Review Letters, 2020, 125, 157001.	7.8	4
12	Effect of antiferromagnetic order on topological electronic structure in Eu-substituted Bi ₂ Se ₃ single crystals. APL Materials, 2020, 8, 111108.	5.1	4
13	Twin-free Epitaxial LaFeO ₃ Films Grown on Orthorhombic GdScO ₃ (110) Substrates. Journal of the Korean Physical Society, 2020, 76, 273-276.	0.7	4
14	2D Percolation Design with Conductive Microparticles for Low-Strain Detection in a Stretchable Sensor. Advanced Functional Materials, 2020, 30, 1908514.	14.9	25
15	Giant Magnetic Anisotropy Induced by Ligand LS Coupling in Layered Cr Compounds. Physical Review Letters, 2019, 122, 207201.	7.8	72
16	Observation of Restored Topological Surface States in Magnetically Doped Topological Insulator. Scientific Reports, 2019, 9, 1331.	3.3	17
17	Thickness driven spin reorientation transition of epitaxial LaCrO ₃ films. Applied Physics Letters, 2018, 112, 112403.	3.3	2
18	Giant magnetoelastic spin-flop with magnetocrystalline instability in La _{1.4} Sr _{1.6} Mn ₂ O ₇ . Physical Review Materials, 2018, 2, .	2.4	1

#	ARTICLE	IF	CITATIONS
19	Majorana fermions in the Kitaev quantum spin system $\hat{\pm}$ -RuCl ₃ . Nature Physics, 2017, 13, 1079-1084.	16.7	279
20	Frustration-driven C ₄ symmetric order in a naturally-heterostructured superconductor Sr ₂ VO ₃ FeAs. Nature Communications, 2017, 8, 2167.	12.8	13
21	Realization of an atomically flat BaSnO ₃ (001) substrate with SnO ₂ termination. Applied Physics Letters, 2017, 111, .	3.3	11
22	Charge-ordering cascade with spin-orbit Mott dimer states in metallic iridium ditelluride. Nature Communications, 2015, 6, 7342.	12.8	44
23	Magnetic Origin of Giant Magnetoelectricity in Doped Y-type Hexaferrite $\text{Ba}_{0.5}\text{Y}_2\text{Fe}_{10}\text{O}_{22}$		

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37	Interfacial nanostructure induced spin-reorientation transition in Ni/Fe/Ni/W(110). Physical Review B, 2011, 83, .	3.2	7
38	Coupled Magnetic Cycloids in Multiferroic TbMnO_3 and EuMnO_3 . Physical Review Letters, 2010, 105, 077202.	7.8	36
39	Structural and magnetic properties of EuMnO_3 . Physical Review B, 2009, 79, .	3.2	2
40	Longitudinal and transverse magnetization components in thin films: A resonant magnetic reflectivity investigation using circularly polarized soft x-rays. Applied Physics Letters, 2010, 96, 042507.	3.3	4
41	Physical properties and electronic evolution of SrMnO_2 . Physical Review B, 2009, 79, .	3.2	21
42	Role of the nonmagnetic layer in determining the Landé g -factor in a spin-transfer system. Physical Review B, 2009, 80, .	3.2	2
43	Electric polarization enhancement in multiferroic CoCr_2O_4 crystals with Cr-site mixing. Applied Physics Letters, 2009, 94, .	3.3	40
44	Electronic Origin of Giant Magnetic Anisotropy in Multiferroic LuFe_2O_4 . Physical Review Letters, 2009, 103, 207202.	7.8	66
45	Investigation of local symmetry effects on the electronic structure of manganites: Hexagonal YMnO_3 and orthorhombic YMnO_3 . Physical Review B, 2009, 79, .	3.2	19
46	Novel J_\perp SrMnO_3 State Induced by Relativistic Spin-Orbit Coupling in SrMnO_3 . Physical Review Letters, 2008, 101, 176402.	7.8	1,332
47	Formation of Pancake-like Ising Domains and Giant Magnetic Coercivity in Ferrimagnetic LuFe_2O_4 . Physical Review Letters, 2008, 101, 176402.	7.8	98
48	Ultrahigh-Vacuum-Compatible Diffractometer for Soft X-ray Scattering. Journal of the Korean Physical Society, 2008, 52, 1814-1817.	0.7	5
49	Temperature dependent phase transition of EuO on $\text{MgO}(100)$. Journal of Applied Physics, 2007, 102, 053903.	2.5	11
50	Microscopic aspect of interface magnetic anisotropy induced by a Pd adlayer on $\text{Ni}\hat{\wedge}\text{Cu}(001)$ films. Physical Review B, 2007, 76, .	3.2	8
51	Magnetism of pristine Fe films on $\text{GaAs}(100)$. Physical Review B, 2007, 76, .	3.2	7
52	Influence of oxygen vacancies on the electronic structure of HfO_2 films. Physical Review B, 2007, 76, .	3.2	31
53	Ferroelectricity Driven by Yd ⁰ -ness with Rehybridization in YMnO_3 . Physical Review Letters, 2007, 98, 217601.	7.8	118
54	Orbital and Bonding Anisotropy in a Half-Filled GaFeO_3 Magnetoelectric Ferrimagnet. Physical Review Letters, 2006, 96, 047205.	7.8	145

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55	Synchrotron-radiation spectroscopy of electron- and hole-doped colossal magneto-resistance double perovskites: $Bx_{A2}xFeMoO6$ ($A=Ba,Sr;B=La,K$). Journal of Applied Physics, 2006, 99, 08Q309.	2.5	12
56	Photoemission study of $(V_{1-x}M_x)2O3$ ($M=Cr,Ti$). Physical Review B, 2006, 74, .	3.2	53
57	Large-Scale Synthesis of Uniform and Crystalline Magnetite Nanoparticles Using Reverse Micelles as Nanoreactors under Reflux Conditions. Advanced Functional Materials, 2005, 15, 503-509.	14.9	393
58	Monodisperse Nanoparticles of Ni and NiO: Synthesis, Characterization, Self-Assembled Superlattices, and Catalytic Applications in the Suzuki Coupling Reaction. Advanced Materials, 2005, 17, 429-434.	21.0	550
59	Spin-orbit-lattice coupling and magnetostriction of strained $La_{0.7}Ca_{0.3}MnO_3$ films. Physical Review B, 2005, 72, .	3.2	20
60	Achieving large magnetoresistance in Sr_2FeMoO_6 thin films. Journal of Applied Physics, 2005, 97, 046105.	2.5	12
61	Electronic structure and evolution of the orbital state in metallic $Ca_{2-x}Sr_xRuO_4$. Physical Review B, 2005, 72, .	3.2	30
62	Superparamagnetism in Co ion-implanted epitaxial anatase TiO_2 thin films. Annalen Der Physik, 2004, 13, 70-71.	2.4	5
63	Magnetism in Mn-doped ZnO bulk samples prepared by solid state reaction. Applied Physics Letters, 2003, 83, 920-922.	3.3	196
64	RKKY Ferromagnetism with Ising-Like Spin States in Intercalated $Fe_{1/4}TaS_2$. , 0, .		1