

# Bongjae Kim

## List of Publications by Year in descending order

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51  
papers

813  
citations

471509

17  
h-index

552781

26  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1428  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Observation of Orbital Driven Strong Interlayer Coupling in Puckered Two-Dimensional PdSe <sub>2</sub> . Small, 2022, , 2106053.	10.0	6
2	Large-gap insulating dimer ground state in monolayer IrTe <sub>2</sub> . Nature Communications, 2022, 13, 906.	12.8	11
3	Direct Observation of Orbital Driven Strong Interlayer Coupling in Puckered Two-Dimensional PdSe <sub>2</sub> (Small 9/2022). Small, 2022, 18, .	10.0	0
4	Quantification of Coulomb interactions in layered lithium and sodium battery cathode materials. Physical Review Materials, 2021, 5, .	2.4	8
5	A Polar Magnetic and Insulating Double Corundum Oxide: Mn <sub>2</sub> MnSbO <sub>6</sub> with Ordered Mn(II) and Mn(III) Ions. Chemistry of Materials, 2021, 33, 6522-6529.	6.7	9
6	Helical versus collinear antiferromagnetic order tuned by magnetic anisotropy in polar and chiral Physical Review Materials, 2021, 5, .	2.4	5
7	Real-space charge distribution of the cobalt ion and its relation with charge and spin states. Journal of the Korean Physical Society, 2021, 78, 302-306.	0.7	0
8	Colossal angular magnetoresistance in ferrimagnetic nodal-line semiconductors. Nature, 2021, 599, 576-581.	27.8	23
9	Observation on the Verge of a Hund-Mott Transition: The Different Fates of Physical Review Letters, 2020, 125, 166402.	7.8	10
10	Aberrant electronic and structural alterations in pressure tuned perovskite NaOsO <sub>3</sub> . Npj Quantum Materials, 2020, 5, .	5.2	4
11	heterostructure as a possible platform for studying unconventional superconductivity in Physical Review B, 2020, 101, .	3.2	6
12	Effects of In <sup>3+</sup> site occupancy on the magnetic properties of M-type strontium hexaferrites. AIP Advances, 2020, 10, .	1.3	9
13	Comparative study of the structural, electronic, magnetic, and dynamical properties of Physical Review B, 2020, 101, .	2.4	11
14	In Situ Growth of Nanostructured BiVO <sub>4</sub> "Bi <sub>2</sub> O <sub>3</sub> Mixed-Phase via Nonequilibrium Deposition Involving Metal Exsolution for Enhanced Photoelectrochemical Water Splitting. ACS Applied Materials & Interfaces, 2019, 11, 44069-44076.	8.0	18
15	Doping-induced insulator-metal transition in the Lifshitz magnetic insulator NaOsO <sub>3</sub> . Journal of Physics Condensed Matter, 2019, 31, 244002.	1.8	3
16	Role of Coulomb correlations in the charge density wave of CuTe. Physical Review B, 2019, 100, .	3.2	11
17	Charge Density Wave Transition in Monolayer CuTe driven by Coulomb Correlation. Journal of the Korean Physical Society, 2019, 75, 394-397.	0.7	2
18	Pressure-induced spin transition and site-selective metallization in CoCl <sub>2</sub> . Scientific Reports, 2019, 9, 5448.	3.3	11

#	ARTICLE	IF	CITATIONS
19	Reversible magnetoelectric switching in multiferroic three-dimensional nanocup heterostructure films. NPG Asia Materials, 2019, 11, .	7.9	8
20	Is the ground state of 5 d 4 double-perovskite Iridate Ba <sub>2</sub> YIrO <sub>6</sub> magnetic or nonmagnetic?. Journal of Magnetism and Magnetic Materials, 2018, 454, 66-70.	2.3	8
21	Magnetism in $\hat{\pm}$ -RuCl <sub>3</sub> : Dependence on Coulomb Interaction and Hund's Coupling. Journal of the Korean Physical Society, 2018, 73, 1691-1697.	0.7	1
22	Observation of the coherent quasiparticle states in SrRu <sub>1-x</sub> Ir <sub>x</sub> O <sub>3</sub> films via polarization-dependent soft X-ray absorption spectroscopy. Journal of Applied Physics, 2018, 124, 205102.	2.5	2
23	Strain-induced tuning of the electronic Coulomb interaction in transition metal oxide perovskites. Physical Review B, 2018, 98, .	4.2	18
24	Converged quasiparticle energies for transition metal oxide perovskites. Physical Review Materials, 2018, 2, .	4.1	15
25	Relativistic +BSE study of the optical properties of Ruddlesden-Popper iridates. Physical Review Materials, 2018, 2, .	4.1	15
26	Magnetic properties of bilayer Sr <sub>3</sub> Ir <sub>2</sub> O <sub>7</sub> : Role of epitaxial strain and oxygen vacancies. Physical Review B, 2017, 95, .	3.2	15
27	Dimensionality-strain phase diagram of strontium iridates. Physical Review B, 2017, 95, .	3.2	37
28	Soft x-ray absorption spectroscopy study of the electronic structures of the MnFe Prussian blue analogs		

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37	Pressure-dependent electronic and magnetic properties of ultrathin $\text{SrRuO}_3$ (111) films on $\text{SrTiO}_3$ . Physical Review B, 2014, 89, .	3.2	15
38	Universal metastability of the low-spin state in $\text{Co}$ systems: Non-Mott type pressure-induced spin-state transition in $\text{CoCl}_2$ . Physical Review B, 2014, 89, .	3.2	5
39	Soft x-ray magnetic circular dichroism study of valence and spin states in $\text{FeTiO}_4$ ( $\text{Fe}^{2+}$ , $\text{Cr}$ ) spinel oxides. Journal of Applied Physics, 2013, 113, 17E116.	2.5	9
40	Size-dependent structural evolution of the biomineralized iron-core nanoparticles in ferritins. Applied Physics Letters, 2013, 102, .	3.3	22
41	Valence states and spin structure of spinel $\text{Fe}_2\text{O}_3$ . Unusual magnetic properties induced by local structure in a quasi-one-dimensional Ising chain system: $\text{Fe}^{2+}$ and $\text{Fe}^{3+}$ with different orbital degrees of freedom. Physical Review B, 2010, 81, .	3.2	36
42	$\text{Fe}^{2+}$ and $\text{Fe}^{3+}$ with different orbital degrees of freedom. Physical Review B, 2010, 81, .	3.2	30
43	Photoemission spectroscopy study of metal-insulator transition in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ . Physical Review B, 2010, 81, .	3.2	12
44	Electronic structure and magnetic properties of hole-carrier-doped $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ . Physical Review B, 2010, 81, .	3.2	21
45	Temperature-dependent magnetic circular dichroism study of ferromagnetic double perovskite $\text{La}_2\text{MnNiO}_6$ . Journal of Applied Physics, 2010, 107, .	2.5	15
47	Valence-state transition in $\text{SrMn}_{1-x}\text{MoxO}_3$ ( $0 \leq x \leq 0.5$ ) investigated by soft x-ray absorption spectroscopy. Physical Review B, 2009, 80, .	3.2	17
48	Valence and spin states, and the metal-insulator transition in ferromagnetic $\text{La}_2\text{Sr}_x\text{MnNiO}_6$ ( $x=0,0.2$ ). Physical Review B, 2009, 80, .	3.2	32
49	Electronic structures and magnetic properties of a ferromagnetic insulator: $\text{La}_2\text{MnNiO}_6$ . Journal of Applied Physics, 2009, 105, 07E515.	2.5	10
50	Investigation of valence states and electronic structure of ferromagnetic double-perovskite $\text{La}_2\text{MnNiO}_6$ by using synchrotron radiation. Journal of Applied Physics, 2009, 105, 07D721.	2.5	6
51	Tunable band gap of layered semiconductor $\text{Zn}_3\text{In}_2\text{S}_6$ under pressure. Journal of Materials Chemistry C, 0, .	5.5	6