

# Soonjae Moon

## List of Publications by Year in descending order

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38  
papers

2,867  
citations

361045

20  
h-index

329751

37  
g-index

39  
all docs

39  
docs citations

39  
times ranked

3321  
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological Magnon Band Crossing in $\text{Y}_2\text{O}_7$ . Magnetoelastic coupling to coherent acoustic phonon modes in the ferrimagnetic insulator $\text{GdTiO}_3$ . Physical Review B, 2020, 102, .	2.0	2
2	Doping and temperature evolutions of optical response of $\text{Sr}_3(\text{Ir}_{1-x}\text{Ru}_x)_2\text{O}_7$ . Scientific Reports, 2020, 10, 22340.	1.6	2
3	Charge-Spin Correlation in van der Waals Antiferromagnet $\text{NiPS}_3$ . Physical Review B, 2019, 100, .	1.1	9
4	Charge-Spin Correlation in van der Waals Antiferromagnet $\text{NiPS}_3$ . Physical Review Letters, 2018, 120, 136402.	2.9	120
5	$\text{Sr}_3\text{Ir}_2\text{O}_7\text{F}_2$ : Topochemical conversion of a relativistic Mott state into a spin-orbit driven band insulator. Physical Review B, 2018, 98, .	1.1	3
6	Magnetically driven band shift and metal-insulator transition in spin-orbit coupled $\text{Sr}_3\text{Ir}_2\text{O}_7\text{F}_2$ .		
7			

#	ARTICLE	IF	CITATIONS
19	Infrared pseudogap in cuprate and pnictide high-temperature superconductors. Physical Review B, 2014, 90, .	1.1	21
20	Effect of deposition temperature on the formation of defect phases in BiFeO <sub>3</sub> thin films. Journal of the Korean Physical Society, 2014, 64, 1849-1853.	0.3	2
21	Orbital-dependent polaron formation in the relativistic Mott insulator $\text{SrIrO}_3$ . Physical Review B, 2014, 90, .	1.1	24
22	Temperature dependence of the optical response of perovskite-type SrIrO <sub>3</sub> thin film. Journal of the Korean Physical Society, 2014, 64, 1174-1178.	0.3	5
23	Interlayer Coherence and Superconducting Condensate in the c-Axis Response of Optimally Doped Ba(Fe <sub>1-x</sub> Cox) <sub>2</sub> As <sub>2</sub> High-Tc Superconductor Using Infrared Spectroscopy. Physical Review Letters, 2013, 110, 097003.	2.9	39
24	Temperature Evolution of Itinerant Ferromagnetism in $\text{SrRuO}_3$ Probed by Optical Spectroscopy. Physical Review Letters, 2013, 110, 247202.	2.9	38
25	Orbital-Driven Electronic Structure Changes and the Resulting Optical Anisotropy of the Quasi-Two-Dimensional Spin Gap Compound $\text{LaRu}_4\text{O}_{10}$ . Physical Review Letters, 2013, 110, 097003.	1.1	24
26	Mixing between $J=12$ and $32$ orbitals in Na <sub>2</sub> IrO <sub>3</sub> : A spectroscopic and density functional calculation study. Physical Review B, 2013, 88, .	1.1	43
27	Electronic Correlations and Unconventional Spectral Weight Transfer in the High-Temperature Pnictide $\text{BaFe}_2\text{As}_2$ Using Infrared Spectroscopy. Physical Review Letters, 2012, 108, 147002.	2.9	69
28	Infrared Measurement of the Pseudogap of P-Doped and Co-Doped High-Temperature $\text{BaFe}_2\text{As}_2$ . Physical Review Letters, 2012, 109, 027006.	2.9	64
29	Incoherent c-Axis Interplane Response of the Iron Chalcogenide $\text{FeTe}_{0.55}\text{Se}_{0.45}$ Superconductor from Infrared Spectroscopy. Physical Review Letters, 2011, 106, 217001.	2.9	17
30	Electronic structure and anomalous band-edge absorption feature in multiferroic $\text{MnWO}_4$ . An optical spectroscopic study. Physical Review B, 2010, 81, .	1.1	20
31	Defect-related room-temperature ferroelectricity in tensile-strained SrTiO <sub>3</sub> thin films on GdScO <sub>3</sub> (110) substrates. Applied Physics Letters, 2010, 97, .	1.5	17
32	Dual character of magnetism in $\text{EuFe}_2\text{O}_7$ . Optical spectroscopic and density-functional calculation study. Physical Review B, 2010, 81, .	2.1	42
33	Localized electronic states induced by defects and possible origin of ferroelectricity in strontium titanate thin films. Applied Physics Letters, 2009, 94, .	1.1	149
34	Novel $\text{LaRu}_4\text{O}_{10}$ . State Induced by Relativistic Spin-Orbit Coupling in $\text{LaRu}_4\text{O}_{10}$ . Physical Review Letters, 2008, 100, 116404.	1.5	80
35	Orbital-Driven Electronic Structure Changes and the Resulting Optical Anisotropy of the Quasi-Two-Dimensional Spin Gap Compound $\text{LaRu}_4\text{O}_{10}$ . Physical Review Letters, 2008, 100, 116404.	2.9	1,332
36	Orbital-Driven Electronic Structure Changes and the Resulting Optical Anisotropy of the Quasi-Two-Dimensional Spin Gap Compound $\text{LaRu}_4\text{O}_{10}$ . Physical Review Letters, 2008, 100, 116404.	2.9	13

#	ARTICLE	IF	CITATIONS
37	Dimensionality Controlled Insulator-Metal Transition and Correlated Metallic State in $5d$ Transition Metal Oxides Physical Review Letters, 2008, 101, 226402.	2.9	425
38	Electronic structures of layered perovskite $Sr_2MO_4$ (M=Ru, Rh, and Ir). Physical Review B, 2006, 74, .	1.1	91