

Hoyoung Jang

List of Publications by Year in descending order

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35
papers

1,085
citations

623734

14
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395702

33
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35
all docs

35
docs citations

35
times ranked

2309
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast Renormalization of the On-Site Coulomb Repulsion in a Cuprate Superconductor. Physical Review X, 2022, 12, .	8.9	12
2	Optical excitation of electromagnons in hexaferrite. Physical Review Research, 2022, 4, .	3.6	4
3	Generic character of charge and spin density waves in superconducting cuprates. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2119429119.	7.1	13
4	Characterization of photoinduced normal state through charge density wave in superconducting YBa ₂ Cu ₃ O _{6.67} . Science Advances, 2022, 8, eabk0832.	10.3	3
5	Performance Measurements of Photodiodes for X-Ray Detection. IEEE Transactions on Nuclear Science, 2022, 69, 1953-1959.	2.0	2
6	Time-resolved resonant elastic soft x-ray scattering at Pohang Accelerator Laboratory X-ray Free Electron Laser. Review of Scientific Instruments, 2020, 91, 083904.	1.3	14
7	Observation of two types of charge-density-wave orders in superconducting La _{2-x} Sr _x CuO ₄ . Nature Communications, 2019, 10, 3269.	12.8	58
8	Soft X-ray spectroscopy with transition-edge sensors at Stanford Synchrotron Radiation Lightsource beamline 10-1. Review of Scientific Instruments, 2019, 90, 113101.	1.3	40
9	Intertwined Spin and Orbital Density Waves in MnP Uncovered by Resonant Soft X-Ray Scattering. Physical Review X, 2019, 9, .	8.9	6
10	Unconventional Charge Density Wave Order in the Pnictide Superconductor Ba		

#	ARTICLE	IF	CITATIONS
19	Superconductivity-Insensitive Order at $q = 1/4$ in Electron-Doped Cuprates. Physical Review X, 2017, 7, .	4.0	14
20	Ideal charge-density-wave order in the high-field state of superconducting YBCO. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14645-14650.	7.1	83
21	Magnetic field dependence of the neutron spin resonance in CeB6. Physical Review B, 2016, 94, .	3.2	9
22	Observation of Orbital Order in the Half-Filled d_{xy} Gd Compound. Physical Review Letters, 2016, 117, 216404.	7.8	14
23	Magnetic field and doping dependence of low-energy spin fluctuations in the antiferroquadrupolar compound $\text{Ce}_{1-x}\text{La}_x\text{B}_6$. Physical Review B, 2015, 92, .	3.2	8
24	Orbital Reconstruction in a Self-assembled Oxygen Vacancy Nanostructure. Scientific Reports, 2015, 5, 12402.	3.3	14
25	Three-dimensional charge density wave order in $\text{YBa}_2\text{Cu}_3\text{O}_{6.67}$ at high magnetic fields. Science, 2015, 350, 949-952.	12.6	280
26	Intense low-energy ferromagnetic fluctuations in the antiferromagnetic heavy-fermion metal CeB6. Nature Materials, 2014, 13, 682-687.	27.5	50
27	Strain control of Morin temperature in epitaxial Fe_2O_3 (0001) film. Europhysics Letters, 2013, 103, 27007.	2.0	30
28	Interfacial nanostructure induced spin-reorientation transition in Ni/Fe/Ni/W(110). Physical Review B, 2011, 83, .	3.2	7
29	Coupled Magnetic Cycloids in Multiferroic TbMnO_3 and Eu_2O_3 . Physical Review Letters, 2010, 105, 177201.	7.8	36
30	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
31	Role of the nonmagnetic layer in determining the Landé-factor in a spin-transfer system. Physical Review B, 2009, 80, .	3.2	2
32	A method to measure the electron temperature and density of a laser-produced plasma by Raman scattering. Applied Physics Letters, 2008, 93, 071506.	3.3	10
33	Ultrahigh-Vacuum-Compatible Diffractometer for Soft X-ray Scattering. Journal of the Korean Physical Society, 2008, 52, 1814-1817.	0.7	5
34	Fast fragmentation of metal oxide nanoparticles via reduction in oxyhydrogen flame. Applied Physics Letters, 2007, 90, 163106.	3.3	4
35	Influence of oxygen vacancies on the electronic structure of HfO_2 films. Physical Review B, 2007, 76, .	3.2	31