

Hoyoung Jang

List of Publications by Year in descending order

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35
papers

1,085
citations

623734

14
h-index

395702

33
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35
all docs

35
docs citations

35
times ranked

2309
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional charge density wave order in $\text{YBa}_2\text{Cu}_3\text{O}_{6.67}$ at high magnetic fields. <i>Science</i> , 2015, 350, 949-952.	12.6	280
2	Femtosecond electron-phonon lock-in by photoemission and x-ray free-electron laser. <i>Science</i> , 2017, 357, 71-75.	12.6	177
3	Ideal charge-density-wave order in the high-field state of superconducting YBCO. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14645-14650.	7.1	83
4	Observation of two types of charge-density-wave orders in superconducting $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$. <i>Nature Communications</i> , 2019, 10, 3269.	12.8	58
5	Resolution of Electronic and Structural Factors Underlying Oxygen-Evolving Performance in Amorphous Cobalt Oxide Catalysts. <i>Journal of the American Chemical Society</i> , 2018, 140, 10710-10720.	13.7	54
6	Intense low-energy ferromagnetic fluctuations in the antiferromagnetic heavy-fermion metal CeB_6 . <i>Nature Materials</i> , 2014, 13, 682-687.	27.5	50
7	Electric-field-induced spin disorder-to-order transition near a multiferroic triple phase point. <i>Nature Physics</i> , 2017, 13, 189-196.	16.7	41
8	Soft X-ray spectroscopy with transition-edge sensors at Stanford Synchrotron Radiation Lightsource beamline 10-1. <i>Review of Scientific Instruments</i> , 2019, 90, 113101.	1.3	40
9	Unconventional Charge Density Wave Order in the Prictide Superconductor TbMnO_3	7.8	36
10	Unconventional Charge Density Wave Order in the Prictide Superconductor BaFe_3As_4		

#	ARTICLE	IF	CITATIONS
19	Superconductivity-Insensitive Order at $q = 1/4$ in Electron-Doped Cuprates. Physical Review X, 2017, 7, .	3.1	11
20	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
21	Magnetic field dependence of the neutron spin resonance in CeB6. Physical Review B, 2016, 94, .	3.2	9
22	Modification of structural disorder by hydrostatic pressure in the superconducting cuprate $YBa_2Cu_3O_{6.73}$. Physical Review B, 2018, 97, .	3.2	9
23	Magnetic field and doping dependence of low-energy spin fluctuations in the antiferroquadrupolar compound $Ce_{1-x}La_xB_6$. Physical Review B, 2015, 92, .	3.2	8
24	Interfacial nanostructure induced spin-reorientation transition in Ni/Fe/Ni/W(110). Physical Review B, 2011, 83, .	3.2	7
25	Intertwined Spin and Orbital Density Waves in MnP Uncovered by Resonant Soft X-Ray Scattering. Physical Review X, 2019, 9, .	8.9	6
26	Ultrahigh-Vacuum-Compatible Diffractometer for Soft X-ray Scattering. Journal of the Korean Physical Society, 2008, 52, 1814-1817.	0.7	5
27	Fast fragmentation of metal oxide nanoparticles via reduction in oxyhydrogen flame. Applied Physics Letters, 2007, 90, 163106.	3.3	4
28	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
29	Optical excitation of electromagnons in hexaferrite. Physical Review Research, 2022, 4, .	3.6	4
30	Characterization of photoinduced normal state through charge density wave in superconducting $YBa_2Cu_3O_{6.67}$. Science Advances, 2022, 8, eabk0832.	10.3	3
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	Spontaneous Ionic Polarization in Ammonia-Based Ionic Liquid. ACS Applied Energy Materials, 2018, 1, 2717-2720.	5.1	2
33	Understanding spin configuration in the geometrically frustrated magnet TbB4: A resonant soft X-ray scattering study. Current Applied Physics, 2018, 18, 1205-1211.	2.4	2
34	Performance Measurements of Photodiodes for X-Ray Detection. IEEE Transactions on Nuclear Science, 2022, 69, 1953-1959.	2.0	2
35	Giant magnetoelastic spin-flop with magnetocrystalline instability in $La_{1.4}Sr_{1.6}Mn_2O_7$. Physical Review Materials, 2018, 2, .	2.4	1