

Young Hun Hwang

List of Publications by Year in descending order

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51
papers

711
citations

759233

12
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552781

26
g-index

51
all docs

51
docs citations

51
times ranked

1263
citing authors

#	ARTICLE	IF	CITATIONS
1	High-performance shape-engineerable thermoelectric painting. Nature Communications, 2016, 7, 13403.	12.8	122
2	A brief review on relaxor ferroelectrics and selected issues in lead-free relaxors. Journal of the Korean Physical Society, 2016, 68, 1481-1494.	0.7	122
3	Controlling Ferromagnetic Easy Axis in a Layered MoS_2 Single Crystal. Physical Review Letters, 2013, 110, 247201.	7.8	108
4	Forced electrostriction by constraining polarization switching enhances the electromechanical strain properties of incipient piezoceramics. NPG Asia Materials, 2017, 9, e346-e346.	7.9	42
5	Temperature dependence of the interband transition in a V_2O_5 film. AIP Advances, 2013, 3, .	1.3	31
6	Electron beam-formed ferromagnetic defects on MoS_2 surface along $1\text{e}^{\circ}\text{T}$ phase transition. Scientific Reports, 2016, 6, 38730.	3.3	29
7	Highly ordered lead-free double perovskite halides by design. Journal of Materiomics, 2020, 6, 651-660.	5.7	27
8	Investigation of electron irradiation-induced magnetism in layered MoS_2 single crystals. Applied Physics Letters, 2016, 109, .	3.3	23
9	Temperature dependence of Vickers hardness for $\text{Cd}_{1-x}\text{MnxTe}$ ($0 \leq x \leq 0.82$) single crystals. Journal of Crystal Growth, 2003, 249, 391-395.	1.5	22
10	Strategies of A Potential Importance, Making Lead-Free Piezoceramics Truly Alternative to PZTs. Journal of the Korean Ceramic Society, 2017, 54, 86-95.	2.3	22
11	The effects of thermally-induced biaxial stress on the structural, electrical, and optical properties of Cu_2O thin films. Current Applied Physics, 2015, 15, S89-S94.	2.4	15
12	Interface Defect Engineering of a Large-Scale CVD-Grown MoS_2 Monolayer via Residual Sodium at the SiO_2/Si Substrate. Advanced Materials Interfaces, 2021, 8, 2100428.	3.7	14
13	Optical and electronic properties of highly stable and textured hydrogenated ZnO:Al thin films. Materials Research Bulletin, 2012, 47, 2487-2491.	5.2	10
14	Magnetic and magneto-optical properties in diluted magnetic semiconductors: $\text{Cd}_{1-x}\text{yMnxFeyTe}$ single crystals. Journal of Magnetism and Magnetic Materials, 2006, 304, e309-e311.	2.3	9
15	Structural, electrical, and ellipsometric properties of nitrogen-annealed ZnO:Al films. Current Applied Physics, 2012, 12, S76-S79.	2.4	9
16	Electronic and optical properties of layered chalcogenide FeIn_2Se_4 . Current Applied Physics, 2020, 20, 212-218.	2.4	9
17	Formation and ferromagnetic properties of FeSi thin films. Journal of Applied Physics, 2013, 113, 17C306.	2.5	8
18	Electronic and optical properties in ZnO:Ga thin films induced by substrate stress. Journal of Physics and Chemistry of Solids, 2015, 87, 122-127.	4.0	8

#	ARTICLE	IF	CITATIONS
19	Giant Faraday rotation in Cd _{1-x} Mn _x Te (0 <x< 0.82) crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 4453-4456.	0.8	7
20	Perpendicular ferrimagnetism in strained Mn ₂ As film. Journal of Applied Physics, 2011, 109, 063914.	2.5	7
21	Impact of Cu substitution on structural, electronic, and optical properties of CdCuTe single crystals. Solid State Communications, 2012, 152, 2172-2176.	1.9	7
22	Structural and optical properties of polycrystalline NiO thin films prepared by using the oxidation of the metallic Ni. Journal of the Korean Physical Society, 2013, 63, 1199-1202.	0.7	7
23	Temperature and Excitation Power Dependences of the Photoluminescence in CdMnTe Crystals. Journal of the Korean Physical Society, 2011, 58, 1312-1315.	0.7	7
24	Temperature dependence of the Faraday rotation in diluted magnetic semiconductors Cd _{1-x} ^yMn _x Zn _y Te crystals. Journal of Magnetism and Magnetic Materials, 2006, 304, e312-e314.	2.3	6
25	Ferrimagnetism in strained Fe ₂ As thin films on Si(001). Journal of Applied Physics, 2009, 105, 07A946.	2.5	6
26	Effects of temperature-induced stress on the structural, electrical, and optical properties of ZnO:Ga thin films grown on Si substrates. Current Applied Physics, 2014, 14, S23-S28.	2.4	6
27	Spectroscopic Ellipsometry Studies of Cd _{1-x} Mn _x Te Films Grown on GaAs. Japanese Journal of Applied Physics, 2001, 40, 5247-5250.	1.5	4
28	Electron mediated/enhanced ferromagnetism in a hydrogen-annealed Mn:Ge magnetic semiconductor. Journal of Applied Physics, 2011, 109, 063912.	2.5	4
29	Photoluminescence characteristics of Cd _{1-x} Mn _x Te single crystals grown by the vertical Bridgman method. Nanoscale Research Letters, 2012, 7, 36.	5.7	4
30	Thermally driven homonuclear-stacking phase of MoS ₂ through desulfurization. Nanoscale, 2019, 11, 11138-11144.	5.6	4
31	Weak ferromagnetism in CdMnZnTe single crystal. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 4457-4460.	0.8	3
32	Structural and optical properties in the V-doped II-VI diluted magnetic semiconductor Cd _{1-x} V _x Te. Journal of the Korean Physical Society, 2014, 65, 1691-1695.	0.7	2
33	Optical properties of non-polar a-plane ZnO single crystal. Journal of the Korean Physical Society, 2015, 67, 763-766.	0.7	2
34	Magneto-transport properties of MnGeP ₂ ferromagnetic semiconductor. Journal of Magnetism and Magnetic Materials, 2007, 310, 2117-2119.	2.3	1
35	Excitation-Power Dependence of the Near Band-Edge PL Spectra of CdMnTe with High Mn Concentrations. AIP Conference Proceedings, 2011, , .	0.4	1
36	Structural and optical properties of annealed ZnO single crystals in a helium ambient. Journal of the Korean Physical Society, 2012, 61, 1687-1690.	0.7	1

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37	Photoluminescence of Zn _{1-x} BexSe Films Grown by Using Molecular Beam Epitaxy. Journal of the Korean Physical Society, 2007, 50, 858.	0.7	1
38	Spectral Dependence of the Dielectric Function of Quaternary CdMnCoTe by Spectroscopic Ellipsometry. Journal of the Korean Physical Society, 2007, 51, 225.	0.7	1
39	Spectroscopic ellipsometric studies of the dielectric function of Cd _{1-x} MnxFeyTe single crystals. Physica Status Solidi (B): Basic Research, 2004, 241, 1710-1713.	1.5	0
40	Ferrimagnetic ordering in (Fe _x Mn _{1-x}) ₂ As thin films. , 2006, , .		0
41	Temperature dependences of the structural and the mechanical properties of a CdMnCrTe quaternary alloy. Journal of the Korean Physical Society, 2012, 61, 1683-1686.	0.7	0
42	Dielectric function of the ferromagnetic semiconductor CdMnCrTe studied by using spectroscopic ellipsometry. Journal of the Korean Physical Society, 2014, 65, 1687-1690.	0.7	0
43	Temperature dependence of the fundamental bandgap of Cd _{1-x} Ni _x Te single crystals. Journal of the Korean Physical Society, 2015, 67, 757-762.	0.7	0
44	Intrinsic defects and local charge ordering of single-crystal FeTe. Journal of the Korean Physical Society, 2021, 79, 552-556.	0.7	0
45	Optical, Electrical, and Magneto-Optical Properties for Bulk Cd _{0.63} Mn _{0.37} Hg _y Te Single Crystals. Journal of the Korean Physical Society, 2007, 50, 848.	0.7	0
46	Magnetic Circular Dichroism in Cr-doped CdMnTe. Journal of the Korean Physical Society, 2009, 55, 217-220.	0.7	0
47	Temperature and Composition Dependence of Structural and Mechanical Properties of Single Crystals of the Quaternary Diluted Magnetic Semiconductor Cd _{0.63-y} Mn _{0.37} Hg _y Te. Journal of the Korean Physical Society, 2009, 55, 1056-1059.	0.7	0
48	Studies of Spectroscopic Ellipsometry in Cd _{1-x} Mn _x Te (0.0 ≤ x ≤ 0.77) Single Crystals. New Physics: Sae Mulli, 2010, 60, 767-771.	0.1	0
49	Influence of Annealing on the Structural, Electrical, and Optical Properties of ZnO:Al Films Deposited by Room-temperature RF Magnetron Sputtering. New Physics: Sae Mulli, 2012, 62, 755-760.	0.1	0
50	Structural, Electrical, and Optical Properties of ZnO:Ga Films Grown by the RF Magnetron Sputtering Method under Different Substrate Temperatures. New Physics: Sae Mulli, 2013, 63, 1317-1322.	0.1	0
51	Large-area epitaxial CdTe(100) films grown on GaAs(100) substrates: MBE growth and substrate temperature effect. Journal of the Korean Physical Society, 2021, 79, 1057-1062.	0.7	0