

Yong Chan Cho

List of Publications by Year in descending order

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36
papers

832
citations

623734

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477307

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g-index

37
all docs

37
docs citations

37
times ranked

1266
citing authors

#	ARTICLE	IF	CITATIONS
1	Room-temperature ferromagnetism in Cr-doped GaN single crystals. Applied Physics Letters, 2002, 80, 4187-4189.	3.3	186
2	Cu Mesh for Flexible Transparent Conductive Electrodes. Scientific Reports, 2015, 5, 10715.	3.3	103
3	Multiple pathways of crystal nucleation in an extremely supersaturated aqueous potassium dihydrogen phosphate (KDP) solution droplet. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13618-13623.	7.1	65
4	Reversible ferromagnetic spin ordering governed by hydrogen in Co-doped ZnO semiconductor. Applied Physics Letters, 2009, 95, 172514.	3.3	50
5	Fabrication of high-quality single-crystal Cu thin films using radio-frequency sputtering. Scientific Reports, 2014, 4, 6230.	3.3	43
6	Reproducible manipulation of spin ordering in ZnCoO nanocrystals by hydrogen mediation. Applied Physics Letters, 2009, 94, 212507.	3.3	42
7	Copper Better than Silver: Electrical Resistivity of the Grain-Free Single-Crystal Copper Wire. Crystal Growth and Design, 2010, 10, 2780-2784.	3.0	41
8	Analysis of oxygen vacancy in Co-doped ZnO using the electron density distribution obtained using MEM. Nanoscale Research Letters, 2015, 10, 186.	5.7	40
9	Abnormal drop in electrical resistivity with impurity doping of single-crystal Ag. Scientific Reports, 2014, 4, 5450.	3.3	33
10	High-temperature ferromagnetism in amorphous semiconductor Ge ₃ Mn thin films. Applied Physics Letters, 2007, 90, 192505.	3.3	22
11	Direct observation of deuterium in ferromagnetic $Zn_{0.9}Mn_{0.1}O$. Physical Review B, 2010, 81, .	3.2	22
12	Effects of Al doping on the magnetic properties of ZnCoO and ZnCoO:H. Applied Physics Letters, 2014, 104, 052412.	3.3	19
13	Conductive and ferromagnetic contributions of H in ZnCoO using H ₂ hot isostatic pressure. Applied Physics Letters, 2012, 100, 112403.	3.3	18
14	Hydration breaking and chemical ordering in a levitated NaCl solution droplet beyond the metastable zone width limit: evidence for the early stage of two-step nucleation. Chemical Science, 2021, 12, 179-187.	7.4	18
15	Strong ferromagnetism in Pt-coated ZnCoO: The role of interstitial hydrogen. Applied Physics Letters, 2012, 100, 172409.	3.3	17
16	Stable high conductive amorphous InGaZnO driven by hydrogenation using hot isostatic pressing. Applied Physics Letters, 2011, 98, 122109.	3.3	13
17	Ferromagnetism in ZnCoO due to Hydrogen-Mediated Co ²⁺ -Co Complexes: How to Avoid the Formation of Co Metal Clusters?. Journal of Physical Chemistry C, 2012, 116, 12196-12202.	3.1	13
18	Fabrication of the best conductor from single-crystal copper and the contribution of grain boundaries to the Debye temperature. CrystEngComm, 2012, 14, 1463-1467.	2.6	11

#	ARTICLE	IF	CITATIONS
19	The conversion of wettability in transparent conducting Al-doped ZnO thin film. Solid State Communications, 2009, 149, 609-611.	1.9	10
20	Properties of superconducting MgB2 single crystal grown by a modified flux method. Applied Physics Letters, 2002, 80, 3569-3571.	3.3	8
21	Reversible Conversion Reactions of Mesoporous Iron Oxide with High Initial Coulombic Efficiency for Lithium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 0, , .	6.7	8
22	The Mechanical Study on the Low Temperature Phases of LiCsSO4 Crystal. Journal of the Physical Society of Japan, 2002, 71, 1072-1075.	1.6	7
23	Hydrogen lithography for nanomagnetic domain on Co-doped ZnO using an anodic aluminum oxide template. Applied Physics Letters, 2014, 104, 052405.	3.3	7
24	Control of magneto-transport characteristics of Co-doped ZnO by electron beam irradiation. RSC Advances, 2016, 6, 41067-41073.	3.6	7
25	Improving the precision of Hall effect measurements using a single-crystal copper probe. Review of Scientific Instruments, 2012, 83, 013901.	1.3	5
26	Successful melting and density measurements of Cu and Ag single crystals with an electrostatic levitation (ESL) system. CrystEngComm, 2014, 16, 7575-7579.	2.6	5
27	An electrostatic potential study of asymmetric ionic conductivity in Li2B4O7 crystals. Current Applied Physics, 2011, 11, 649-652.	2.4	4
28	Contribution of Pt layer to hydrogen mediation in ZnCoO. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 1027-1030.	1.8	3
29	The effect of hydrogen on the electric properties of amorphous InGaZnO with varying Zn content. Journal of the Korean Physical Society, 2013, 63, 209-213.	0.7	3
30	Thermoelastic effect induced by ferroelastic domain switching. Applied Physics Letters, 2005, 87, 161914.	3.3	2
31	Ferromagnetic spin ordering in amorphous Co-doped InGaZnO based on the Co ²⁺ -H ⁺ -Co complex. Europhysics Letters, 2012, 98, 17008.	2.0	2
32	Fabrication of ZnCoO nanowires and characterization of their magnetic properties. Nanoscale Research Letters, 2014, 9, 221.	5.7	2
33	Simple Fabrication of p-type Mn-doped ZnO Thin Films by Using only Ar Working-pressure Control. Journal of the Korean Physical Society, 2011, 58, 1160-1163.	0.7	1
34	The comparison of the structural, magnetic, electronic, and optical properties for ZnCoO and Co-precipitation samples. Journal of the Korean Physical Society, 2010, 56, 1374-1377.	0.7	1
35	Group-Theoretical Analysis for the Ferroelastic Domain Walls. Journal of the Physical Society of Japan, 2001, 70, 2588-2592.	1.6	0
36	p-type conductivity generated by ferromagnetic ordering via percolative anionic H chain formation in ZnCoO. Journal of Physics Condensed Matter, 2014, 26, 255501.	1.8	0