

# Yong Chan Cho

## List of Publications by Year in descending order

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36  
papers

832  
citations

623734

14  
h-index

477307

29  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1266  
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Chemical Science</i> , 2021, 12, 179-187.	7.4	18
2	Multiple pathways of crystal nucleation in an extremely supersaturated aqueous potassium dihydrogen phosphate (KDP) solution droplet. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13618-13623.	7.1	65
3	Control of magneto-transport characteristics of Co-doped ZnO by electron beam irradiation. <i>RSC Advances</i> , 2016, 6, 41067-41073.	3.6	7
4	Analysis of oxygen vacancy in Co-doped ZnO using the electron density distribution obtained using MEM. <i>Nanoscale Research Letters</i> , 2015, 10, 186.	5.7	40
5	Cu Mesh for Flexible Transparent Conductive Electrodes. <i>Scientific Reports</i> , 2015, 5, 10715.	3.3	103
6	Effects of Al doping on the magnetic properties of ZnCoO and ZnCoO:H. <i>Applied Physics Letters</i> , 2014, 104, 052412.	3.3	19
7	Hydrogen lithography for nanomagnetic domain on Co-doped ZnO using an anodic aluminum oxide template. <i>Applied Physics Letters</i> , 2014, 104, 052405.	3.3	7
8	Successful melting and density measurements of Cu and Ag single crystals with an electrostatic levitation (ESL) system. <i>CrystEngComm</i> , 2014, 16, 7575-7579.	2.6	5
9	Fabrication of ZnCoO nanowires and characterization of their magnetic properties. <i>Nanoscale Research Letters</i> , 2014, 9, 221.	5.7	2
10	p-type conductivity generated by ferromagnetic ordering via percolative anionic H chain formation in ZnCoO. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 255501.	1.8	0
11	Fabrication of high-quality single-crystal Cu thin films using radio-frequency sputtering. <i>Scientific Reports</i> , 2014, 4, 6230.	3.3	43
12	Abnormal drop in electrical resistivity with impurity doping of single-crystal Ag. <i>Scientific Reports</i> , 2014, 4, 5450.	3.3	33
13	The effect of hydrogen on the electric properties of amorphous InGaZnO with varying Zn content. <i>Journal of the Korean Physical Society</i> , 2013, 63, 209-213.	0.7	3
14	Ferromagnetic spin ordering in amorphous Co-doped InGaZnO based on the Co <sup>2+</sup> -H <sup>+</sup> complex. <i>Europhysics Letters</i> , 2012, 98, 17008.	2.0	2
15	Strong ferromagnetism in Pt-coated ZnCoO: The role of interstitial hydrogen. <i>Applied Physics Letters</i> , 2012, 100, 172409.	3.3	17
16	Conductive and ferromagnetic contributions of H in ZnCoO using H <sub>2</sub> hot isostatic pressure. <i>Applied Physics Letters</i> , 2012, 100, 112403.	3.3	18
17	Improving the precision of Hall effect measurements using a single-crystal copper probe. <i>Review of Scientific Instruments</i> , 2012, 83, 013901.	1.3	5
18	Fabrication of the best conductor from single-crystal copper and the contribution of grain boundaries to the Debye temperature. <i>CrystEngComm</i> , 2012, 14, 1463-1467.	2.6	11

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19	Ferromagnetism in ZnCoO due to Hydrogen-Mediated Co <sup>2+</sup> Co Complexes: How to Avoid the Formation of Co Metal Clusters?. Journal of Physical Chemistry C, 2012, 116, 12196-12202.	3.1	13
20	Contribution of Pt layer to hydrogen mediation in ZnCoO. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 1027-1030.	1.8	3
21	An electrostatic potential study of asymmetric ionic conductivity in Li <sub>2</sub> B <sub>4</sub> O <sub>7</sub> crystals. Current Applied Physics, 2011, 11, 649-652.	2.4	4
22	Stable high conductive amorphous InGaZnO driven by hydrogenation using hot isostatic pressing. Applied Physics Letters, 2011, 98, 122109.	3.3	13
23	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
24	Direct observation of deuterium in ferromagnetic $Zn_{1-x}Co_xO$ . Physical Review B, 2010, 81, .	3.2	22
25	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
26	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
27	Reproducible manipulation of spin ordering in ZnCoO nanocrystals by hydrogen mediation. Applied Physics Letters, 2009, 94, 212507.	3.3	42
28	Reversible ferromagnetic spin ordering governed by hydrogen in Co-doped ZnO semiconductor. Applied Physics Letters, 2009, 95, 172514.	3.3	50
29	The conversion of wettability in transparent conducting Al-doped ZnO thin film. Solid State Communications, 2009, 149, 609-611.	1.9	10
30	High-temperature ferromagnetism in amorphous semiconductor Ge <sub>3</sub> Mn thin films. Applied Physics Letters, 2007, 90, 192505.	3.3	22
31	Thermoelastic effect induced by ferroelastic domain switching. Applied Physics Letters, 2005, 87, 161914.	3.3	2
32	Room-temperature ferromagnetism in Cr-doped GaN single crystals. Applied Physics Letters, 2002, 80, 4187-4189.	3.3	186
33	The Mechanical Study on the Low Temperature Phases of LiCsSO <sub>4</sub> Crystal. Journal of the Physical Society of Japan, 2002, 71, 1072-1075.	1.6	7
34	Properties of superconducting MgB <sub>2</sub> single crystal grown by a modified flux method. Applied Physics Letters, 2002, 80, 3569-3571.	3.3	8
35	Group-Theoretical Analysis for the Ferroelastic Domain Walls. Journal of the Physical Society of Japan, 2001, 70, 2588-2592.	1.6	0
36	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