

# Yong Chan Cho

## List of Publications by Year in descending order

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36  
papers

832  
citations

623188

14  
h-index

476904

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.	3.7	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.	3.3	65
3	Control of magneto-transport characteristics of Co-doped ZnO by electron beam irradiation. <i>RSC Advances</i> , 2016, 6, 41067-41073.	1.7	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.	3.1	40
5	Cu Mesh for Flexible Transparent Conductive Electrodes. <i>Scientific Reports</i> , 2015, 5, 10715.	1.6	103
6	Effects of Al doping on the magnetic properties of ZnCoO and ZnCoO:H. <i>Applied Physics Letters</i> , 2014, 104, 052412.	1.5	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.	1.5	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.	1.3	5
9	Fabrication of ZnCoO nanowires and characterization of their magnetic properties. <i>Nanoscale Research Letters</i> , 2014, 9, 221.	3.1	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.	0.7	0
11	Fabrication of high-quality single-crystal Cu thin films using radio-frequency sputtering. <i>Scientific Reports</i> , 2014, 4, 6230.	1.6	43
12	Abnormal drop in electrical resistivity with impurity doping of single-crystal Ag. <i>Scientific Reports</i> , 2014, 4, 5450.	1.6	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.	0.3	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.	0.7	2
15	Strong ferromagnetism in Pt-coated ZnCoO: The role of interstitial hydrogen. <i>Applied Physics Letters</i> , 2012, 100, 172409.	1.5	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.	1.5	18
17	Improving the precision of Hall effect measurements using a single-crystal copper probe. <i>Review of Scientific Instruments</i> , 2012, 83, 013901.	0.6	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.	1.3	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?. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12196-12202.	1.5	13
20	Contribution of Pt layer to hydrogen mediation in ZnCoO. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 1027-1030.	0.8	3
21	An electrostatic potential study of asymmetric ionic conductivity in Li <sub>2</sub> B <sub>4</sub> O <sub>7</sub> crystals. <i>Current Applied Physics</i> , 2011, 11, 649-652.	1.1	4
22	Stable high conductive amorphous InGaZnO driven by hydrogenation using hot isostatic pressing. <i>Applied Physics Letters</i> , 2011, 98, 122109.	1.5	13
23	Simple Fabrication of p-type Mn-doped ZnO Thin Films by Using only Ar Working-pressure Control. <i>Journal of the Korean Physical Society</i> , 2011, 58, 1160-1163.	0.3	1
24	Direct observation of deuterium in ferromagnetic $Zn_{1-x}Co_xO$ . <i>Physical Review B</i> , 2010, 81, .	1.1	22
25	Copper Better than Silver: Electrical Resistivity of the Grain-Free Single-Crystal Copper Wire. <i>Crystal Growth and Design</i> , 2010, 10, 2780-2784.	1.4	41
26	The comparison of the structural, magnetic, electronic, and optical properties for ZnCoO and Co-precipitation samples. <i>Journal of the Korean Physical Society</i> , 2010, 56, 1374-1377.	0.3	1
27	Reproducible manipulation of spin ordering in ZnCoO nanocrystals by hydrogen mediation. <i>Applied Physics Letters</i> , 2009, 94, 212507.	1.5	42
28	Reversible ferromagnetic spin ordering governed by hydrogen in Co-doped ZnO semiconductor. <i>Applied Physics Letters</i> , 2009, 95, 172514.	1.5	50
29	The conversion of wettability in transparent conducting Al-doped ZnO thin film. <i>Solid State Communications</i> , 2009, 149, 609-611.	0.9	10
30	High-temperature ferromagnetism in amorphous semiconductor Ge <sub>3</sub> Mn thin films. <i>Applied Physics Letters</i> , 2007, 90, 192505.	1.5	22
31	Thermoelastic effect induced by ferroelastic domain switching. <i>Applied Physics Letters</i> , 2005, 87, 161914.	1.5	2
32	Room-temperature ferromagnetism in Cr-doped GaN single crystals. <i>Applied Physics Letters</i> , 2002, 80, 4187-4189.	1.5	186
33	The Mechanical Study on the Low Temperature Phases of LiCsSO <sub>4</sub> Crystal. <i>Journal of the Physical Society of Japan</i> , 2002, 71, 1072-1075.	0.7	7
34	Properties of superconducting MgB <sub>2</sub> single crystal grown by a modified flux method. <i>Applied Physics Letters</i> , 2002, 80, 3569-3571.	1.5	8
35	Group-Theoretical Analysis for the Ferroelastic Domain Walls. <i>Journal of the Physical Society of Japan</i> , 2001, 70, 2588-2592.	0.7	0
36	Reversible Conversion Reactions of Mesoporous Iron Oxide with High Initial Coulombic Efficiency for Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	3.2	8