

# Chae-Ryong Cho

## List of Publications by Year in descending order

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45  
papers

2,273  
citations

257450

24  
h-index

302126

39  
g-index

45  
all docs

45  
docs citations

45  
times ranked

3307  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of diluted magnetic semiconductor: Co-doped ZnO. Applied Physics Letters, 2002, 81, 4020-4022.	3.3	641
2	Room-temperature ferromagnetism in Cr-doped GaN single crystals. Applied Physics Letters, 2002, 80, 4187-4189.	3.3	186
3	Structural reconstruction of hexagonal to cubic ZnO films on Pt/Ti/SiO <sub>2</sub> /Si substrate by annealing. Applied Physics Letters, 2003, 82, 562-564.	3.3	111
4	Cu Mesh for Flexible Transparent Conductive Electrodes. Scientific Reports, 2015, 5, 10715.	3.3	103
5	Rice-panicle-like $\text{Fe}_3\text{O}_4/\text{C}$ nanofibers as high-rate anodes for superior lithium-ion batteries. Chemical Engineering Journal, 2019, 356, 60-68.	12.7	98
6	Dielectric and ferroelectric response as a function of annealing temperature and film thickness of sol-gel deposited $\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$ thin film. Journal of Applied Physics, 1999, 86, 2700-2711.	2.5	94
7	Synergistically Enhanced Electrochemical Performance of Hierarchical $\text{MoS}_2/\text{TiNb}_2\text{O}_7$ Hetero-nanostructures as Anode Materials for Li-ion Batteries. ACS Nano, 2017, 11, 1026-1033.	14.6	89
8	A study of magnetic and optical properties of Cu-doped ZnO. Physica Status Solidi (B): Basic Research, 2004, 241, 1533-1536.	1.5	83
9	Role of reactive gas in atmospheric plasma for cell attachment and proliferation on biocompatible poly $\epsilon$ -caprolactone film. Applied Surface Science, 2008, 254, 5700-5705.	6.1	72
10	Enhanced cycle stability of polypyrrole-derived nitrogen-doped carbon-coated tin oxide hollow nanofibers for lithium battery anodes. Carbon, 2017, 111, 28-37.	10.3	63
11	Flat-surface-assisted and self-regulated oxidation resistance of Cu(111). Nature, 2022, 603, 434-438.	27.8	59
12	Enhanced lithium storage by $\text{ZnFe}_2\text{O}_4$ nanofibers as anode materials for lithium-ion battery. Electrochimica Acta, 2019, 296, 565-574.	5.2	57
13	Dielectric characterization of transparent epitaxial $\text{Ga}_2\text{O}_3$ thin film on n-GaN/ $\text{Al}_2\text{O}_3$ prepared by pulsed laser deposition. Applied Physics Letters, 2006, 89, 182906.	3.3	56
14	Effects of Co-doping level on the microstructural and ferromagnetic properties of liquid-delivery metalorganic-chemical-vapor-deposited $\text{Ti}_{1-x}\text{Co}_x\text{O}_2$ thin films. Applied Physics Letters, 2002, 81, 4209-4211.	3.3	55
15	The structural and optical behaviors of K-doped $\text{ZnO}/\text{Al}_2\text{O}_3(0001)$ films. Applied Physics Letters, 2004, 85, 419-421.	3.3	52
16	Reversible ferromagnetic spin ordering governed by hydrogen in Co-doped ZnO semiconductor. Applied Physics Letters, 2009, 95, 172514.	3.3	50
17	Electric properties and surface characterization of transparent Al-doped ZnO thin films prepared by pulsed laser deposition. Thin Solid Films, 2008, 516, 5223-5226.	1.8	47
18	Bandgap-designed $\text{TiO}_2/\text{SnO}_2$ hollow hierarchical nanofibers: Synthesis, properties, and their photocatalytic mechanism. Current Applied Physics, 2016, 16, 251-260.	2.4	47

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19	Electrochemical behavior of interconnected Ti <sub>2</sub> Nb <sub>10</sub> O <sub>29</sub> nanoparticles for high-power Li-ion battery anodes. <i>Electrochimica Acta</i> , 2017, 236, 451-459.	5.2	42
20	Copper Better than Silver: Electrical Resistivity of the Grain-Free Single-Crystal Copper Wire. <i>Crystal Growth and Design</i> , 2010, 10, 2780-2784.	3.0	41
21	Solution deposition and heteroepitaxial crystallization of LaNiO <sub>3</sub> electrodes for integrated ferroelectric devices. <i>Applied Physics Letters</i> , 1997, 71, 3013-3015.	3.3	40
22	Silicon nanoparticle self-incorporated in hollow nitrogen-doped carbon microspheres for lithium-ion battery anodes. <i>Electrochimica Acta</i> , 2021, 368, 137630.	5.2	30
23	Enhanced cycle stability of iron(II, III) oxide nanoparticles encapsulated with nitrogen-doped carbon and graphene frameworks for lithium battery anodes. <i>Carbon</i> , 2018, 129, 621-630.	10.3	28
24	Electrochemical performance of vertically grown WS <sub>2</sub> layers on TiNb <sub>2</sub> O <sub>7</sub> nanostructures for lithium-ion battery anodes. <i>Chemical Engineering Journal</i> , 2020, 382, 122800.	12.7	28
25	Color of Copper/Copper Oxide. <i>Advanced Materials</i> , 2021, 33, e2007345.	21.0	28
26	Surface modification of and selective protein attachment to a flexible microarray pattern using atmospheric plasma with a reactive gas. <i>Acta Biomaterialia</i> , 2010, 6, 519-525.	8.3	14
27	Physicochemical properties and enhanced cellular responses of biocompatible polymeric scaffolds treated with atmospheric pressure plasma using O <sub>2</sub> gas. <i>Materials Science and Engineering C</i> , 2011, 31, 688-696.	7.3	9
28	Lithium Attachment to C <sub>60</sub> and Nitrogen- and Boron-Doped C <sub>60</sub> : A Mechanistic Study. <i>Materials</i> , 2019, 12, 2136.	2.9	9
29	Formation of ferromagnetic Co <sup>2+</sup> -Co complex and spin-polarized conduction band in Co-doped ZnO. <i>Scientific Reports</i> , 2017, 7, 11101.	3.3	7
30	Abnormally High Lithium Storage in Pure Crystalline C <sub>60</sub> Nanoparticles. <i>Advanced Materials</i> , 2021, 33, e2104763.	21.0	7
31	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
32	Wafer-scale high-quality Ag thin film using a ZnO buffer layer for plasmonic applications. <i>Applied Surface Science</i> , 2020, 512, 145705.	6.1	5
33	In Situ Electrochemical Impedance Measurements of $\pm$ -Fe <sub>2</sub> O <sub>3</sub> Nanofibers: Unravelling the Li-Ion Conduction Mechanism in Li-Ion Batteries. <i>Batteries</i> , 2022, 8, 44.	4.5	5
34	A study of the density of states of ZnCoO:H from resistivity measurements. <i>RSC Advances</i> , 2018, 8, 9895-9900.	3.6	3
35	Growth of AlN Epilayers on Sapphire Substrates by Using the Mixed-Source Hydride Vapor Phase Epitaxy Method. <i>Journal of the Korean Physical Society</i> , 2019, 74, 1160-1165.	0.7	3
36	Inverse Stranski-Krastanov Growth in Single-Crystalline Sputtered Cu Thin Films for Wafer-Scale Device Applications. <i>ACS Applied Nano Materials</i> , 2019, 2, 3300-3306.	5.0	3

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37	Gate voltage-dependent magnetoresistance of Zn <sub>0.8</sub> Co <sub>0.2</sub> O:H. RSC Advances, 2016, 6, 97555-97559.	3.6	1
38	Physical properties of as-prepared and post-annealed TiO <sub>2</sub> layers by atomic layer deposition and their cell performance. Journal of the Korean Physical Society, 2016, 68, 243-250.	0.7	1
39	Abnormally High Lithium Storage in Pure Crystalline C <sub>60</sub> Nanoparticles (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overl	21.0	1
40	Effect of reactive gases in an atmospheric-pressure plasma for dye adsorption on ZnO nanorods. Journal of the Korean Physical Society, 2012, 60, 1052-1055.	0.7	0
41	Physical properties of epitaxial Zn <sub>1-x</sub> Cu <sub>x</sub> O films fabricated by using pulsed laser deposition. Journal of the Korean Physical Society, 2012, 60, 1424-1427.	0.7	0
42	Photonic Crystals: Template-Directed Directionally Solidified 3D Mesostructured AgCl-KCl Eutectic Photonic Crystals (Adv. Mater. 31/2015). Advanced Materials, 2015, 27, 4550-4550.	21.0	0
43	Electrode-Evaporation Method of III-nitride Vertical-type Single Chip LEDs. Journal of the Korean Physical Society, 2018, 73, 1346-1350.	0.7	0
44	Comparison of AlN Nanowire-Like Structures Grown by using Mixed-Source Hydride Vapor Phase Epitaxy Method. Journal of the Korean Physical Society, 2019, 75, 242-247.	0.7	0
45	Growth of a Thick AlN Epilayer by Using the Mixed-Source Hydride Vapor Phase Epitaxy Method. Journal of the Korean Physical Society, 2020, 77, 282-287.	0.7	0