

Chae-Ryong Cho

List of Publications by Year in descending order

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45
papers

2,273
citations

257101

24
h-index

301761

39
g-index

45
all docs

45
docs citations

45
times ranked

3307
citing authors

#	ARTICLE	IF	CITATIONS
1	Flat-surface-assisted and self-regulated oxidation resistance of Cu(111). <i>Nature</i> , 2022, 603, 434-438.	13.7	59
2	In Situ Electrochemical Impedance Measurements of Fe_2O_3 Nanofibers: Unravelling the Li-Ion Conduction Mechanism in Li-Ion Batteries. <i>Batteries</i> , 2022, 8, 44.	2.1	5
3	Silicon nanoparticle self-incorporated in hollow nitrogen-doped carbon microspheres for lithium-ion battery anodes. <i>Electrochimica Acta</i> , 2021, 368, 137630.	2.6	30
4	Color of Copper/Copper Oxide. <i>Advanced Materials</i> , 2021, 33, e2007345.	11.1	28
5	Abnormally High Lithium Storage in Pure Crystalline C_{60} Nanoparticles. <i>Advanced Materials</i> , 2021, 33, e2104763.	11.1	7
6	Abnormally High Lithium Storage in Pure Crystalline C_{60} Nanoparticles (<i>Adv. Mater.</i>)	11.1	1
7	Electrochemical performance of vertically grown WS_2 layers on TiNb_2O_7 nanostructures for lithium-ion battery anodes. <i>Chemical Engineering Journal</i> , 2020, 382, 122800.	6.6	28
8	Growth of a Thick AlN Epilayer by Using the Mixed-Source Hydride Vapor Phase Epitaxy Method. <i>Journal of the Korean Physical Society</i> , 2020, 77, 282-287.	0.3	0
9	Wafer-scale high-quality Ag thin film using a ZnO buffer layer for plasmonic applications. <i>Applied Surface Science</i> , 2020, 512, 145705.	3.1	5
10	Comparison of AlN Nanowire-Like Structures Grown by using Mixed-Source Hydride Vapor Phase Epitaxy Method. <i>Journal of the Korean Physical Society</i> , 2019, 75, 242-247.	0.3	0
11	Lithium Attachment to C_{60} and Nitrogen- and Boron-Doped C_{60} : A Mechanistic Study. <i>Materials</i> , 2019, 12, 2136.	1.3	9
12	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.	0.3	3
13	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.	2.4	3
14	Rice-panicle-like Fe_2O_3 @C nanofibers as high-rate anodes for superior lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2019, 356, 60-68.	6.6	98
15	Enhanced lithium storage by ZnFe_2O_4 nanofibers as anode materials for lithium-ion battery. <i>Electrochimica Acta</i> , 2019, 296, 565-574.	2.6	57
16	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.	5.4	28
17	A study of the density of states of ZnCoO:H from resistivity measurements. <i>RSC Advances</i> , 2018, 8, 9895-9900.	1.7	3
18	Electrode-Evaporation Method of III-nitride Vertical-type Single Chip LEDs. <i>Journal of the Korean Physical Society</i> , 2018, 73, 1346-1350.	0.3	0

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19	Electrochemical behavior of interconnected Ti ₂ Nb ₁₀ O ₂₉ nanoparticles for high-power Li-ion battery anodes. <i>Electrochimica Acta</i> , 2017, 236, 451-459.	2.6	42
20	Synergistically Enhanced Electrochemical Performance of Hierarchical MoS ₂ /TiNb ₂ O ₇ Hetero-nanostructures as Anode Materials for Li-ion Batteries. <i>ACS Nano</i> , 2017, 11, 1026-1033.	7.3	89
21	Formation of ferromagnetic Co ²⁺ -Co complex and spin-polarized conduction band in Co-doped ZnO. <i>Scientific Reports</i> , 2017, 7, 11101.	1.6	7
22	Enhanced cycle stability of polypyrrole-derived nitrogen-doped carbon-coated tin oxide hollow nanofibers for lithium battery anodes. <i>Carbon</i> , 2017, 111, 28-37.	5.4	63
23	Gate voltage-dependent magnetoresistance of Zn _{0.8} Co _{0.2} O:H. <i>RSC Advances</i> , 2016, 6, 97555-97559.	1.7	1
24	Bandgap-designed TiO ₂ /SnO ₂ hollow hierarchical nanofibers: Synthesis, properties, and their photocatalytic mechanism. <i>Current Applied Physics</i> , 2016, 16, 251-260.	1.1	47
25	Physical properties of as-prepared and post-annealed TiO ₂ layers by atomic layer deposition and their cell performance. <i>Journal of the Korean Physical Society</i> , 2016, 68, 243-250.	0.3	1
26	Photonic Crystals: Template-Directed Directionally Solidified 3D Mesostructured AgCl-KCl Eutectic Photonic Crystals (<i>Adv. Mater.</i> 31/2015). <i>Advanced Materials</i> , 2015, 27, 4550-4550.	11.1	0
27	Cu Mesh for Flexible Transparent Conductive Electrodes. <i>Scientific Reports</i> , 2015, 5, 10715.	1.6	103
28	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
29	Effect of reactive gases in an atmospheric-pressure plasma for dye adsorption on ZnO nanorods. <i>Journal of the Korean Physical Society</i> , 2012, 60, 1052-1055.	0.3	0
30	Physical properties of epitaxial Zn _{1-x} Cu _x O films fabricated by using pulsed laser deposition. <i>Journal of the Korean Physical Society</i> , 2012, 60, 1424-1427.	0.3	0
31	Physicochemical properties and enhanced cellular responses of biocompatible polymeric scaffolds treated with atmospheric pressure plasma using O ₂ gas. <i>Materials Science and Engineering C</i> , 2011, 31, 688-696.	3.8	9
32	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.	4.1	14
33	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
34	Reversible ferromagnetic spin ordering governed by hydrogen in Co-doped ZnO semiconductor. <i>Applied Physics Letters</i> , 2009, 95, 172514.	1.5	50
35	Electric properties and surface characterization of transparent Al-doped ZnO thin films prepared by pulsed laser deposition. <i>Thin Solid Films</i> , 2008, 516, 5223-5226.	0.8	47
36	Role of reactive gas in atmospheric plasma for cell attachment and proliferation on biocompatible poly(ϵ -caprolactone) film. <i>Applied Surface Science</i> , 2008, 254, 5700-5705.	3.1	72

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37	Dielectric characterization of transparent epitaxial Ga ₂ O ₃ thin film on n-GaN/Al ₂ O ₃ prepared by pulsed laser deposition. Applied Physics Letters, 2006, 89, 182906.	1.5	56
38	A study of magnetic and optical properties of Cu-doped ZnO. Physica Status Solidi (B): Basic Research, 2004, 241, 1533-1536.	0.7	83
39	The structural and optical behaviors of K-doped ZnO/Al ₂ O ₃ (0001) films. Applied Physics Letters, 2004, 85, 419-421.	1.5	52
40	Structural reconstruction of hexagonal to cubic ZnO films on Pt/Ti/SiO ₂ /Si substrate by annealing. Applied Physics Letters, 2003, 82, 562-564.	1.5	111
41	Room-temperature ferromagnetism in Cr-doped GaN single crystals. Applied Physics Letters, 2002, 80, 4187-4189.	1.5	186
42	Effects of Co-doping level on the microstructural and ferromagnetic properties of liquid-delivery metalorganic-chemical-vapor-deposited Ti _{1-x} Co _x O ₂ thin films. Applied Physics Letters, 2002, 81, 4209-4211.	1.5	55
43	Study of diluted magnetic semiconductor: Co-doped ZnO. Applied Physics Letters, 2002, 81, 4020-4022.	1.5	641
44	Dielectric and ferroelectric response as a function of annealing temperature and film thickness of sol-gel deposited Pb(Zr _{0.52} Ti _{0.48})O ₃ thin film. Journal of Applied Physics, 1999, 86, 2700-2711.	1.1	94
45	Solution deposition and heteroepitaxial crystallization of LaNiO ₃ electrodes for integrated ferroelectric devices. Applied Physics Letters, 1997, 71, 3013-3015.	1.5	40