# Chae-Ryong Cho

List of Publications by Year
in descending order

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|---|---|---|---|
| 45<br>papers | 2,273<br>citations | 257101<br>24<br>h-index | 301761<br>39<br>g-index |
| 45<br>all docs | 45<br>docs citations | 45<br>times ranked | 3307<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Study of diluted magnetic semiconductor: Co-doped ZnO. Applied Physics Letters, 2002, 81, 4020-4022. | 1.5 | 641 |
| 2 | Room-temperature ferromagnetism in Cr-doped GaN single crystals. Applied Physics Letters, 2002, 80, 4187-4189. | 1.5 | 186 |
| 3 | Structural reconstruction of hexagonal to cubic ZnO films on Pt/Ti/SiO2/Si substrate by annealing. Applied Physics Letters, 2003, 82, 562-564. | 1.5 | 111 |
| 4 | Cu Mesh for Flexible Transparent Conductive Electrodes. Scientific Reports, 2015, 5, 10715. | 1.6 | 103 |
| 5 | Rice-panicle-like Î³-Fe2O3@C nanofibers as high-rate anodes for superior lithium-ion batteries. Chemical Engineering Journal, 2019, 356, 60-68. | 6.6 | 98 |
| 6 | Dielectric and ferroelectric response as a function of annealing temperature and film thickness of sol-gel deposited Pb(Zr0.52Ti0.48)O3 thin film. Journal of Applied Physics, 1999, 86, 2700-2711. | 1.1 | 94 |
| 7 | Synergistically Enhanced Electrochemical Performance of Hierarchical MoS<sub>2</sub>/TiNb<sub>2</sub>O<sub>7</sub> Hetero-nanostructures as Anode Materials for Li-Ion Batteries. ACS Nano, 2017, 11, 1026-1033. | 7.3 | 89 |
| 8 | A study of magnetic and optical properties of Cu-doped ZnO. Physica Status Solidi (B): Basic Research, 2004, 241, 1533-1536. | 0.7 | 83 |
| 9 | Role of reactive gas in atmospheric plasma for cell attachment and proliferation on biocompatible poly É›-caprolactone film. Applied Surface Science, 2008, 254, 5700-5705. | 3.1 | 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. | 5.4 | 63 |
| 11 | Flat-surface-assisted and self-regulated oxidation resistance of Cu(111). Nature, 2022, 603, 434-438. | 13.7 | 59 |
| 12 | Enhanced lithium storage by ZnFe2O4 nanofibers as anode materials for lithium-ion battery. Electrochimica Acta, 2019, 296, 565-574. | 2.6 | 57 |
| 13 | Dielectric characterization of transparent epitaxial Ga2O3 thin film on n-GaNâ•Al2O3 prepared by pulsed laser deposition. Applied Physics Letters, 2006, 89, 182906. | 1.5 | 56 |
| 14 | Effects of Co-doping level on the microstructural and ferromagnetic properties of liquid-delivery metalorganic-chemical-vapor-deposited Ti1â‾xCoxO2 thin films. Applied Physics Letters, 2002, 81, 4209-4211. | 1.5 | 55 |
| 15 | The structural and optical behaviors of K-doped ZnOâ•Al2O3(0001) films. Applied Physics Letters, 2004, 85, 419-421. | 1.5 | 52 |
| 16 | Reversible ferromagnetic spin ordering governed by hydrogen in Co-doped ZnO semiconductor. Applied Physics Letters, 2009, 95, 172514. | 1.5 | 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. | 0.8 | 47 |
| 18 | Bandgap-designed TiO2/SnO2 hollow hierarchical nanofibers: Synthesis, properties, and their photocatalytic mechanism. Current Applied Physics, 2016, 16, 251-260. | 1.1 | 47 |

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|---|---|---|---|
| 19 | Electrochemical behavior of interconnected Ti 2 Nb 10 O 29 nanoparticles for high-power Li-ion battery anodes. Electrochimica Acta, 2017, 236, 451-459. | 2.6 | 42 |
| 20 | Copper Better than Silver: Electrical Resistivity of the Grain-Free Single-Crystal Copper Wire. Crystal Growth and Design, 2010, 10, 2780-2784. | 1.4 | 41 |
| 21 | Solution deposition and heteroepitaxial crystallization of LaNiO3 electrodes for integrated ferroelectric devices. Applied Physics Letters, 1997, 71, 3013-3015. | 1.5 | 40 |
| 22 | Silicon nanoparticle self-incorporated in hollow nitrogen-doped carbon microspheres for lithium-ion battery anodes. Electrochimica Acta, 2021, 368, 137630. | 2.6 | 30 |
| 23 | Enhanced cycle stability of iron(II, III) oxide nanoparticles encapsulated with nitrogen-doped carbon and graphene frameworks for lithium battery anodes. Carbon, 2018, 129, 621-630. | 5.4 | 28 |
| 24 | Electrochemical performance of vertically grown WS2 layers on TiNb2O7 nanostructures for lithium-ion battery anodes. Chemical Engineering Journal, 2020, 382, 122800. | 6.6 | 28 |
| 25 | Color of Copper/Copper Oxide. Advanced Materials, 2021, 33, e2007345. | 11.1 | 28 |
| 26 | Surface modification of and selective protein attachment to a flexible microarray pattern using atmospheric plasma with a reactive gas. Acta Biomaterialia, 2010, 6, 519-525. | 4.1 | 14 |
| 27 | Physicochemical properties and enhanced cellullar responses of biocompatible polymeric scaffolds treated with atmospheric pressure plasma using O2 gas. Materials Science and Engineering C, 2011, 31, 688-696. | 3.8 | 9 |
| 28 | Lithium Attachment to C60 and Nitrogen- and Boron-Doped C60: A Mechanistic Study. Materials, 2019, 12, 2136. | 1.3 | 9 |
| 29 | Formation of ferromagnetic Coâ€“Hâ€“Co complex and spin-polarized conduction band in Co-doped ZnO. Scientific Reports, 2017, 7, 11101. | 1.6 | 7 |
| 30 | Abnormally Highâ€Lithium Storage in Pure Crystalline C<sub>60</sub> Nanoparticles. Advanced Materials, 2021, 33, e2104763. | 11.1 | 7 |
| 31 | Improving the precision of Hall effect measurements using a single-crystal copper probe. Review of Scientific Instruments, 2012, 83, 013901. | 0.6 | 5 |
| 32 | Wafer-scale high-quality Ag thin film using a ZnO buffer layer for plasmonic applications. Applied Surface Science, 2020, 512, 145705. | 3.1 | 5 |
| 33 | In Situ Electrochemical Impedance Measurements of Î±-Fe2O3 Nanofibers: Unravelling the Li-Ion Conduction Mechanism in Li-Ion Batteries. Batteries, 2022, 8, 44. | 2.1 | 5 |
| 34 | A study of the density of states of ZnCoO:H from resistivity measurements. RSC Advances, 2018, 8, 9895-9900. | 1.7 | 3 |
| 35 | Growth of AlN Epilayers on Sapphire Substrates by Using the Mixed-Source Hydride Vapor Phase Epitaxy Method. Journal of the Korean Physical Society, 2019, 74, 1160-1165. | 0.3 | 3 |
| 36 | Inverse Stranskiâ€“Krastanov Growth in Single-Crystalline Sputtered Cu Thin Films for Wafer-Scale Device Applications. ACS Applied Nano Materials, 2019, 2, 3300-3306. | 2.4 | 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. | 1.7 | 1 |
| 38 | Physical properties of as-prepared and post-annealed TiO2 layers by atomic layer deposition and their cell performance. Journal of the Korean Physical Society, 2016, 68, 243-250. | 0.3 | 1 |
| 39 | Abnormally Highâ€Lithium Storage in Pure Crystalline C<sub>60</sub> Nanoparticles (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlock | 11.1 | 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. | 0.3 | 0 |
| 41 | Physical properties of epitaxial Zn1â^'x Cu x O films fabricated by using pulsed laser deposition. Journal of the Korean Physical Society, 2012, 60, 1424-1427. | 0.3 | 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. | 11.1 | 0 |
| 43 | Electrode-Evaporation Method of III-nitride Vertical-type Single Chip LEDs. Journal of the Korean Physical Society, 2018, 73, 1346-1350. | 0.3 | 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. | 0.3 | 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. | 0.3 | 0 |