Sung Min Cho

List of Publications by Year
in descending order

50 papers	1,981 citations	687363 13 h-index	233421 45 g-index
50 all docs	50 docs citations	50 times ranked	4056 citing authors

#	Article	IF	Citations
1	Formamidinium and Cesium Hybridization for Photoâ€•and Moistureâ€Stable Perovskite Solar Cell. Advanced Energy Materials, 2015, 5, 1501310.	19.5	1,350
2	Hydrogen gas sensor using Pd nanowires electro-deposited into anodized alumina template. IEEE Sensors Journal, 2006, 6, 509-513.	4.7	69
3	Extremely bendable thin-film encapsulation of organic light-emitting diodes. Applied Physics Letters, 2013, 102, .	3.3	64
4	Screen printing of silver nanoparticle suspension for metal interconnects. Korean Journal of Chemical Engineering, 2008, 25, 1358-1361.	2.7	60
5	Organicâ€Stabilizerâ€Free Polyol Synthesis of Silver Nanowires for Electrode Applications. Angewandte Chemie - International Edition, 2016, 55, 11814-11818.	13.8	39
6	Hybrid Silver Mesh Electrode for ITOâ€Free Flexible Polymer Solar Cells with Good Mechanical Stability. ChemSusChem, 2016, 9, 1042-1049.	6.8	36
7	Toward fully flexible multilayer moisture-barriers for organic light-emitting diodes. Journal of Applied Physics, 2013, 114, .	2.5	31
8	Cross-Linked Poly(vinylidene fluoride-co-hexafluoropropene) (PVDF-co-HFP) Gel Polymer Electrolyte for Flexible Li-Ion Battery Integrated with Organic Light Emitting Diode (OLED). Materials, 2018, 11, 543.	2.9	29
9	Toward a Stretchable Organic Lightâ€Emitting Diode on 3D Microstructured Elastomeric Substrate and Transparent Hybrid Anode. Advanced Materials Technologies, 2020, 5, 1900995.	5.8	24
10	CuInS₂/ZnS quantum dot-embedded polymer nanofibers for color conversion films. Journal of Materials Chemistry C, 2016, 4, 2457-2462.	5.5	23
11	Optimization of inverted bulk heterojunction polymer solar cells. Korean Journal of Chemical Engineering, 2010, 27, 999-1002.	2.7	15
12	Ultrathin polydimethylsiloxane-coated carbonyl iron particles and their magnetorheological characteristics. Colloid and Polymer Science, 2012, 290, 1093-1098.	2.1	14
13	Extremely flexible organic-inorganic moisture barriers. Korean Journal of Chemical Engineering, 2016, 33, 1971-1976.	2.7	14
14	Embedded silverâ€•nanowire electrode in an acrylic polymerâ€“silicate nanoparticle composite for highly robust flexible devices. Journal of Applied Polymer Science, 2017, 134, 45203.	2.6	13
15	Organicâ€Stabilizerâ€Free Polyol Synthesis of Silver Nanowires for Electrode Applications. Angewandte Chemie, 2016, 128, 11993-11997.	2.0	12
16	Fabrication of amorphous IGZO thin film transistor using self-aligned imprint lithography with a sacrificial layer. Applied Physics Letters, 2018, 112, .	3.3	12
17	Optimization of organic bi-layer solar cell through systematic study of anode treatment and material thickness. Korean Journal of Chemical Engineering, 2008, 25, 1036-1039.	2.7	11
18	Color temperature control of quantum dot white light emitting diodes by grafting organic fluorescent molecules. Journal of Materials Chemistry C, 2014, 2, 9800-9804.	5.5	11

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19	Effect of hole-transport-layer thickness on deep-blue emission in top-emitting cavity organic light-emitting diodes. Electronic Materials Letters, 2015, 11, 764-768.	2.2	11
20	Damage to amorphous indium-gallium-zinc-oxide thin film transistors under Cl2 and BCl3 plasma. Korean Journal of Chemical Engineering, 2018, 35, 1348-1353.	2.7	11
21	Crosslinked Organosilicon-Acrylate Copolymer Moisture Barrier Thin Film Fabricated by Initiated Chemical Vapor Deposition (iCVD). Macromolecular Research, 2018, 26, 1257-1264.	2.4	11
22	FLEXIBLE ORGANIC/INORGANIC MOISTURE BARRIER USING PLASMA-POLYMERIZED LAYER. Nano, 2013, 08, 1350041.	1.0	9
23	Copper Ion Inks Capable of Screen Printing and Intense Pulsed-Light Sintering on PET Substrates. ACS Applied Electronic Materials, 2022, 4, 1882-1890.	4.3	9
24	Low-temperature growth of highly conductive and transparent aluminum-doped ZnO film by ultrasonic-mist deposition. Korean Journal of Chemical Engineering, 2012, 29, 525-528.	2.7	8
25	Optically Transparent and Lowâ€CTE Polyethersulfoneâ€Based Nanocomposite Films for Flexible Display. Advanced Materials Interfaces, 2020, 7, 2001422.	3.7	8
26	Embedded Reverse-Offset Printing of Silver Nanowires and Its Application to Double-Stacked Transparent Electrodes with Microscale Patterns. ACS Applied Materials & Interfaces, 2021, 13, 26601-26609.	8.0	8
27	Side wall anodization of aluminum thin film on silicon substrate. Korean Journal of Chemical Engineering, 2005, 22, 789-792.	2.7	6
28	Plasma-polymerized n-hexane and its utilization as multilayer moisture-barrier film with aluminum oxide. Korean Journal of Chemical Engineering, 2014, 31, 528-531.	2.7	6
29	Room Temperature Deposition of SiN_x and Plasma Polymer Layers for Flexible Multilayer Barrier Films by Plasma Enhanced Chemical Vapor Deposition Processes. Nano, 2018, 13, 1850082.	1.0	6
30	Flexible Carbon-rich Al2O3 Interlayers for Moisture Barrier Films by a Spatially-Resolved Atomic Layer Deposition Process. Journal of the Korean Physical Society, 2018, 73, 40-44.	0.7	6
31	Lightwave-reinforced stem cells with enhanced wound healing efficacy. Journal of Tissue Engineering, 2021, 12, 204173142110670.	5.5	6
32	White light emission obtained by direct color mixing in multi-layer organic light-emitting devices. Korean Journal of Chemical Engineering, 2002, 19, 463-466.	2.7	5
33	Advanced Top-Down Fabrication Process of A-IGZO TFT for Roll-to-Roll Backplane. IEICE Transactions on Electronics, 2018, E101.C, 874-879.	0.6	5
34	Spatially-Resolved Remote Plasma Atomic Layer Deposition Process for Moisture Barrier Al2O3 Films. Journal of the Korean Physical Society, 2018, 73, 45-52.	0.7	5
35	Oxidative coupling of methane over Na+-ZrO2-C1-/Al2O3 catalysts. Korean Journal of Chemical Engineering, 1997, 14, 69-73.	2.7	4
36	Synthesis and optimization of porous anodic aluminum oxide nano-template for large area device applications. Korean Journal of Chemical Engineering, 2009, 26, 1785-1789.	2.7	4

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37	Solvent effects on gravure-printed organic layers of nanoscale thickness for organic solar cells. Korean Journal of Chemical Engineering, 2012, 29, 337-340.	2.7	4
38	Enhanced moisture-barrier property and flexibility of zirconium oxide/polymer hybrid structures. Korean Journal of Chemical Engineering, 2016, 33, 1070-1074.	2.7	4
39	Enhanced efficiency of white polymer light-emitting diodes with inorganic nanodots. Korean Journal of Chemical Engineering, 2010, 27, 683-687.	2.7	3
40	Study on electrochemical mechanical polishing process of copper circuit on PCB. Korean Journal of Chemical Engineering, 2010, 27, 310-314.	2.7	3
41	Effect of plasma carrier gas on the moisture barrier properties of plasma-enhanced chemical vapor deposited (PECVD) polyorganosiloxane thin film. Molecular Crystals and Liquid Crystals, 2020, 705, 141-149.	0.9	3
42	Phototoxicity-free blue light for enhancing therapeutic angiogenic efficacy of stem cells. Cell Biology and Toxicology, 2021, , 1.	5.3	3
43	ITO-free flexible hybrid white organic/inorganic light-emitting diodes using optimum color conversion quantum dot plates. Polymer Bulletin, 2016, 73, 2583-2591.	3.3	2
44	Transparent Metal-Mesh heater using Silver-coated copper nanoparticles sintered with intense pulsed light irradiation on PET substrate. Korean Journal of Chemical Engineering, 2021, 38, 1720-1726.	2.7	2
45	Unique surface textures of ZnO films deposited by chemical bath deposition. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 724-729.	1.8	1
46	Electrical and optical analyses of tandem organic light-emitting diodes with organic charge-generation layer. AIP Advances, 2018, 8, 065303.	1.3	1
47	Lowâ€molecularâ€weight white organicâ€lightâ€emittingâ€devices using direct color mixing method. Journal of Information Display, 2002, 3, 6-12.	4.0	0
48	Nanocomposite Films: Optically Transparent and Lowâ€CTE Polyethersulfoneâ€Based Nanocomposite Films for Flexible Display (Adv. Mater. Interfaces 24/2020). Advanced Materials Interfaces, 2020, 7, 2070134.	3.7	0
49	10.2478/s11814-009-0336-y. , 2011, 26, 1785.		0
50	10.2478/s11814-009-0289-1. , 2011, 27, 310.		0