

Sung Min Cho

List of Publications by Year in descending order

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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	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
2	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
3	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
4	Phototoxicity-free blue light for enhancing therapeutic angiogenic efficacy of stem cells. Cell Biology and Toxicology, 2021, , 1.	5.3	3
5	Lightwave-reinforced stem cells with enhanced wound healing efficacy. Journal of Tissue Engineering, 2021, 12, 204173142110670.	5.5	6
6	Toward a Stretchable Organic Light-Emitting Diode on 3D Microstructured Elastomeric Substrate and Transparent Hybrid Anode. Advanced Materials Technologies, 2020, 5, 1900995.	5.8	24
7	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
8	Nanocomposite Films: Optically Transparent and Low-CTE Polyethersulfone-Based Nanocomposite Films for Flexible Display (Adv. Mater. Interfaces 24/2020). Advanced Materials Interfaces, 2020, 7, 2070134.	3.7	0
9	Optically Transparent and Low-CTE Polyethersulfone-Based Nanocomposite Films for Flexible Display. Advanced Materials Interfaces, 2020, 7, 2001422.	3.7	8
10	Damage to amorphous indium-gallium-zinc-oxide thin film transistors under Cl ₂ and BCl ₃ plasma. Korean Journal of Chemical Engineering, 2018, 35, 1348-1353.	2.7	11
11	Fabrication of amorphous IGZO thin film transistor using self-aligned imprint lithography with a sacrificial layer. Applied Physics Letters, 2018, 112, .	3.3	12
12	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
13	Crosslinked Organosilicon-Acrylate Copolymer Moisture Barrier Thin Film Fabricated by Initiated Chemical Vapor Deposition (iCVD). Macromolecular Research, 2018, 26, 1257-1264.	2.4	11
14	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
15	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
16	Flexible Carbon-rich Al ₂ O ₃ 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
17	Spatially-Resolved Remote Plasma Atomic Layer Deposition Process for Moisture Barrier Al ₂ O ₃ Films. Journal of the Korean Physical Society, 2018, 73, 45-52.	0.7	5
18	Electrical and optical analyses of tandem organic light-emitting diodes with organic charge-generation layer. AIP Advances, 2018, 8, 065303.	1.3	1

#	ARTICLE	IF	CITATIONS
19	Embedded silver nanowire electrode in an acrylic polymer-silicate nanoparticle composite for highly robust flexible devices. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45203.	2.6	13
20	Hybrid Silver Mesh Electrode for ITO-Free Flexible Polymer Solar Cells with Good Mechanical Stability. <i>ChemSusChem</i> , 2016, 9, 1042-1049.	6.8	36
21	Extremely flexible organic-inorganic moisture barriers. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 1971-1976.	2.7	14
22	ITO-free flexible hybrid white organic/inorganic light-emitting diodes using optimum color conversion quantum dot plates. <i>Polymer Bulletin</i> , 2016, 73, 2583-2591.	3.3	2
23	Organic-Stabilizer-Free Polyol Synthesis of Silver Nanowires for Electrode Applications. <i>Angewandte Chemie</i> , 2016, 128, 11993-11997.	2.0	12
24	Organic-Stabilizer-Free Polyol Synthesis of Silver Nanowires for Electrode Applications. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11814-11818.	13.8	39
25	Enhanced moisture-barrier property and flexibility of zirconium oxide/polymer hybrid structures. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 1070-1074.	2.7	4
26	CuInS ₂ /ZnS quantum dot-embedded polymer nanofibers for color conversion films. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2457-2462.	5.5	23
27	Formamidinium and Cesium Hybridization for Photo- and Moisture-Stable Perovskite Solar Cell. <i>Advanced Energy Materials</i> , 2015, 5, 1501310.	19.5	1,350
28	Effect of hole-transport-layer thickness on deep-blue emission in top-emitting cavity organic light-emitting diodes. <i>Electronic Materials Letters</i> , 2015, 11, 764-768.	2.2	11
29	Color temperature control of quantum dot white light emitting diodes by grafting organic fluorescent molecules. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9800-9804.	5.5	11
30	Plasma-polymerized n-hexane and its utilization as multilayer moisture-barrier film with aluminum oxide. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 528-531.	2.7	6
31	Extremely bendable thin-film encapsulation of organic light-emitting diodes. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	64
32	FLEXIBLE ORGANIC/INORGANIC MOISTURE BARRIER USING PLASMA-POLYMERIZED LAYER. <i>Nano</i> , 2013, 08, 1350041.	1.0	9
33	Toward fully flexible multilayer moisture-barriers for organic light-emitting diodes. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	31
34	Ultrathin polydimethylsiloxane-coated carbonyl iron particles and their magnetorheological characteristics. <i>Colloid and Polymer Science</i> , 2012, 290, 1093-1098.	2.1	14
35	Solvent effects on gravure-printed organic layers of nanoscale thickness for organic solar cells. <i>Korean Journal of Chemical Engineering</i> , 2012, 29, 337-340.	2.7	4
36	Low-temperature growth of highly conductive and transparent aluminum-doped ZnO film by ultrasonic-mist deposition. <i>Korean Journal of Chemical Engineering</i> , 2012, 29, 525-528.	2.7	8

#	ARTICLE	IF	CITATIONS
37	10.2478/s11814-009-0336-y. , 2011, 26, 1785.		0
38	10.2478/s11814-009-0289-1. , 2011, 27, 310.		0
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	Optimization of inverted bulk heterojunction polymer solar cells. Korean Journal of Chemical Engineering, 2010, 27, 999-1002.	2.7	15
42	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
43	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
44	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
45	Screen printing of silver nanoparticle suspension for metal interconnects. Korean Journal of Chemical Engineering, 2008, 25, 1358-1361.	2.7	60
46	Hydrogen gas sensor using Pd nanowires electro-deposited into anodized alumina template. IEEE Sensors Journal, 2006, 6, 509-513.	4.7	69
47	Side wall anodization of aluminum thin film on silicon substrate. Korean Journal of Chemical Engineering, 2005, 22, 789-792.	2.7	6
48	Low molecular weight white organic light-emitting devices using direct color mixing method. Journal of Information Display, 2002, 3, 6-12.	4.0	0
49	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
50	Oxidative coupling of methane over Na ⁺ -ZrO ₂ -C ₁ -/Al ₂ O ₃ catalysts. Korean Journal of Chemical Engineering, 1997, 14, 69-73.	2.7	4