

Kyung-Tae Kang

List of Publications by Year in descending order

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papers

652
citations

687363

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45
times ranked

938
citing authors

#	ARTICLE	IF	CITATIONS
1	A Self-Reducible and Alcohol-Soluble Copper-Based Metal-Organic Decomposition Ink for Printed Electronics. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 3312-3319.	8.0	146
2	Bulk-like Al/Ag bilayer film due to suppression of surface plasmon resonance for high transparent organic light emitting diodes. <i>Organic Electronics</i> , 2016, 33, 116-120.	2.6	45
3	Bubble-free on-chip continuous-flow polymerase chain reaction: concept and application. <i>Analyst</i> , The, 2011, 136, 2287.	3.5	44
4	Effect of Thickness on Surface Morphology of Silver Nanoparticle Layer During Furnace Sintering. <i>Journal of Electronic Materials</i> , 2015, 44, 1192-1199.	2.2	41
5	Highly crystalline Ni/NiO hybrid electrodes processed by inkjet printing and laser-induced reductive sintering under ambient conditions. <i>Nanoscale</i> , 2016, 8, 8976-8985.	5.6	41
6	Electrical behavior of laser-sintered Cu based metal-organic decomposition ink in air environment and application as current collectors in supercapacitor. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2015, 2, 333-337.	4.9	34
7	Rapid sintering of copper nano ink using a laser in air. <i>International Journal of Precision Engineering and Manufacturing</i> , 2014, 15, 1051-1054.	2.2	26
8	Solution and Evaporation Hybrid Approach to Enhance the Stability and Pattern Resolution Characteristics of Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 45064-45072.	8.0	22
9	Recent Advances and Challenges in Halide Perovskite Crystals in Optoelectronic Devices from Solar Cells to Other Applications. <i>Crystals</i> , 2021, 11, 39.	2.2	17
10	Effect of contact angle and drop spacing on the bulging frequency of inkjet-printed silver lines on FC-coated glass. <i>Journal of Mechanical Science and Technology</i> , 2014, 28, 1441-1448.	1.5	16
11	Nozzle Printed-PEDOT:PSS for Organic Light Emitting Diodes with Various Dilution Rates of Ethanol. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 203.	2.5	15
12	Direct writing of semiconducting polythiophene and fullerene derivatives composite from bulk heterojunction solar cell by inkjet printing. <i>Thin Solid Films</i> , 2011, 519, 5649-5653.	1.8	14
13	Fabrication of a paper-based analytical device for multiple colorimetric analysis via inkjet-printing and paper-cutting. <i>Biochip Journal</i> , 2015, 9, 139-143.	4.9	14
14	Flexible 2-Layer Paper Printed Circuit Board Fabricated by Inkjet Printing for 3-D Origami Electronics. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2018, 5, 421-426.	4.9	14
15	A study of the gasification of carbon black with molten salt of Li ₂ CO ₃ and K ₂ CO ₃ for application in the external anode media of a direct carbon fuel cell. <i>Current Applied Physics</i> , 2015, 15, 1580-1586.	2.4	13
16	Effect of Meniscus Damping Ratio on Drop-on-Demand Electrohydrodynamic Jetting. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 164.	2.5	13
17	Deep-Learning-Based Microfluidic Droplet Classification for Multijet Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 15576-15586.	8.0	13
18	Sequential Improvement from Cosolvents Ink Formulation to Vacuum Annealing for Ink-Jet Printed Quantum-Dot Light-Emitting Diodes. <i>Materials</i> , 2020, 13, 4754.	2.9	12

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19	Sintering Behavior of Copper Nanoparticle Ink by Laser in Air. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 1261-1268.	0.9	9
20	High speed nozzle jet printing for bendable organic light emitting diodes. <i>Flexible and Printed Electronics</i> , 2019, 4, 015009.	2.7	9
21	Effect of Laser Intensity on the Characteristic of Inkjet-Printed Silver Nanoparticles During Continuous Laser Sintering. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 8631-8635.	0.9	8
22	Characterization of Inkjet-Printed Silver Patterns for Application to Printed Circuit Board (PCB). <i>Journal of Electrical Engineering and Technology</i> , 2013, 8, 603-609.	2.0	7
23	Effects of residual solvent in printed phosphorescent emissive thin films as, the origin of limited efficiency in organic light emitting diodes. <i>Progress in Organic Coatings</i> , 2020, 147, 105781.	3.9	7
24	Sintering process of inkjet-printed silver patterns using a heated inert gas. <i>Microelectronic Engineering</i> , 2018, 193, 91-97.	2.4	6
25	Strong microcavity effects in hybrid quantum dot/blue organic light-emitting diodes using Ag based electrode. <i>Journal of Luminescence</i> , 2018, 203, 540-545.	3.1	6
26	Thermally transferred emitting layer at low pressure for residual solvent-free organic light-emitting diodes. <i>Organic Electronics</i> , 2019, 67, 287-293.	2.6	6
27	Germinant ZnO nanorods as a charge-selective layer in organic solar cells. <i>Journal of Materials Science and Technology</i> , 2020, 55, 89-94.	10.7	6
28	Direct Observation of Crystal Engineering in Perovskite Solar Cells in a Moisture-Free Environment Using Conductive Atomic Force Microscopy and Friction Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 4946-4952.	3.1	6
29	Residual-Solvent-Induced Morphological Transformation by Intense Pulsed Light on Spin-Coated and Inkjet-Printed ZnO NP Films for Quantum-Dot Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 50111-50120.	8.0	6
30	Effect of Time-Dependent Characteristics of ZnO Nanoparticles Electron Transport Layer Improved by Intense-Pulsed Light Post-Treatment on Hole-Electron Injection Balance of Quantum-Dot Light-Emitting Diodes. <i>Materials</i> , 2020, 13, 5041.	2.9	5
31	Role of a 193 nm ArF Excimer Laser in Laser-Assisted Plasma-Enhanced Chemical Vapor Deposition of SiNx for Low Temperature Thin Film Encapsulation. <i>Micromachines</i> , 2020, 11, 88.	2.9	5
32	Facile fabrication of flexible metal grid transparent electrode using inkjet-printed dot array as sacrificial layer. <i>Scientific Reports</i> , 2022, 12, 1572.	3.3	4
33	Strain-induced alignment of printed silver nanowires for stretchable electrodes. <i>Flexible and Printed Electronics</i> , 2022, 7, 024003.	2.7	4
34	Characterization of inkjet-printed P3TH:PCBM bulk heterojunction films for ITO-free polymer solar cells. <i>Macromolecular Research</i> , 2014, 22, 219-222.	2.4	3
35	Investigation of Elemental Composition Change by Laser Ablation of a Rare-Earth Containing Material. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700947.	1.8	3
36	Site-selective synthesis of onion like carbon from nanodiamond thin film via laser-assisted photothermal process. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	3

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37	Spectral response tuning of organic photodetectors using strong microcavity effects for medical X-ray detector application. <i>Organic Electronics</i> , 2021, , 106384.	2.6	3
38	Two-step fabrication of thin film encapsulation using laser assisted chemical vapor deposition and laser assisted plasma enhanced chemical vapor deposition for long-lifetime organic light emitting diodes. <i>Organic Electronics</i> , 2021, 91, 106078.	2.6	2
39	PH: Nozzle Jet Printing of Organic Thin Films for Solution Process of Organic Light Emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 1503-1506.	0.3	1
40	Large Area Organic Thin Film Coating Using a Micro Multi-nozzle Jet Head with Side Suction Channels. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2021, 8, 829-840.	4.9	1
41	Pá: LateߝPoster: Organic ThinߝFilm Coating by Micro MultiߝNozzle Jet Method. <i>Digest of Technical Papers SID International Symposium</i> , 2020, 51, 2089-2092.	0.3	1
42	Micro multi-nozzle jet coating of organic thin film for organic light-emitting diode lighting devices. <i>Micro and Nano Systems Letters</i> , 2021, 9, .	3.7	1
43	Pè: Laser Assisted Plasma Enhanced Chemical Vapor Deposition for DamageߝResistive and Reliable Thin Film Encapsulation of Organic Light Emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , 2020, 51, 1572-1575.	0.3	0
44	65B: Control of Oxygen Vacancy in ZnO Nanoparticles Electron Transport Layer by Intense PulsedߝLight PostߝTreatment Under Fabrication of InkߝJet Printed QLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2021, 52, 963-966.	0.3	0
45	9: Fabrication of the Indirect XߝRay Detector Using Organic Photodiode. <i>Digest of Technical Papers SID International Symposium</i> , 2022, 53, 90-93.	0.3	0