

Yongtaek Hong

List of Publications by Year in descending order

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152
papers

4,087
citations

126907

33
h-index

133252

59
g-index

156
all docs

156
docs citations

156
times ranked

5373
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver nanowire-embedded PDMS with a multiscale structure for a highly sensitive and robust flexible pressure sensor. <i>Nanoscale</i> , 2015, 7, 6208-6215.	5.6	323
2	Review of manufacturing processes for soft biomimetic robots. <i>International Journal of Precision Engineering and Manufacturing</i> , 2009, 10, 171-181.	2.2	236
3	Electronic skins for soft, compact, reversible assembly of wirelessly activated fully soft robots. <i>Science Robotics</i> , 2018, 3, .	17.6	176
4	High-performance compliant thermoelectric generators with magnetically self-assembled soft heat conductors for self-powered wearable electronics. <i>Nature Communications</i> , 2020, 11, 5948.	12.8	169
5	Spin-coated Ga-doped ZnO transparent conducting thin films for organic light-emitting diodes. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 035102.	2.8	162
6	All-Inkjet-Printed Organic Thin-Film Transistor Inverter on Flexible Plastic Substrate. <i>IEEE Electron Device Letters</i> , 2011, 32, 1134-1136.	3.9	156
7	Standalone real-time health monitoring patch based on a stretchable organic optoelectronic system. <i>Science Advances</i> , 2021, 7, .	10.3	144
8	Ultraflexible and transparent electroluminescent skin for real-time and super-resolution imaging of pressure distribution. <i>Nature Communications</i> , 2020, 11, 663.	12.8	104
9	Substrate thermal conductivity effect on heat dissipation and lifetime improvement of organic light-emitting diodes. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	97
10	Inkjet-printed stretchable silver electrode on wave structured elastomeric substrate. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	97
11	Highly Sensitive and Bendable Capacitive Pressure Sensor and Its Application to 1 V Operation Pressure-sensitive Transistor. <i>Advanced Electronic Materials</i> , 2017, 3, 1600455.	5.1	78
12	Transparent Large-Area MoS ₂ Phototransistors with Inkjet-Printed Components on Flexible Platforms. <i>ACS Nano</i> , 2017, 11, 10273-10280.	14.6	72
13	Zinc concentration dependence study of solution processed amorphous indium gallium zinc oxide thin film transistors using high-k dielectric. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	70
14	Effects of Li doping on the performance and environmental stability of solution processed ZnO thin film transistors. <i>Applied Physics Letters</i> , 2009, 95, 193503.	3.3	64
15	Meyer-Reldel Rule and Extraction of Density of States in Amorphous Indium-Gallium-Zinc-Oxide Thin-Film Transistor by Considering Surface Band Bending. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 03CB02.	1.5	62
16	Debye Length and Active Layer Thickness-Dependent Performance Variations of Amorphous Oxide-Based TFTs. <i>IEEE Transactions on Electron Devices</i> , 2012, 59, 710-714.	3.0	62
17	Lateral-crack-free, buckled, inkjet-printed silver electrodes on highly pre-stretched elastomeric substrates. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 105305.	2.8	62
18	Large-area formation of self-aligned crystalline domains of organic semiconductors on transistor channels using CONNECT. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5561-5566.	7.1	62

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19	Enhanced Charge Injection Properties of Organic Field-Effect Transistor by Molecular Implantation Doping. <i>Advanced Materials</i> , 2019, 31, e1806697.	21.0	60
20	Inkjet-printed stretchable single-walled carbon nanotube electrodes with excellent mechanical properties. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	58
21	Fully printable, strain-engineered electronic wrap for customizable soft electronics. <i>Scientific Reports</i> , 2017, 7, 45328.	3.3	56
22	All-solution-processed bottom-gate organic thin-film transistor with improved subthreshold behaviour using functionalized pentacene active layer. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 115107.	2.8	55
23	Flexible High-Performance All-Inkjet-Printed Inverters: Organo-Compatible and Stable Interface Engineering. <i>Advanced Materials</i> , 2013, 25, 4773-4777.	21.0	54
24	Negatively Strain-Dependent Electrical Resistance of Magnetically Arranged Nickel Composites: Application to Highly Stretchable Electrodes and Stretchable Lighting Devices. <i>Advanced Materials</i> , 2014, 26, 3094-3099.	21.0	54
25	Carrier conduction mechanism for phosphorescent material doped organic semiconductor. <i>Journal of Applied Physics</i> , 2009, 105, 033709.	2.5	48
26	Understanding the effect of semiconductor thickness on device characteristics in organic thin film transistors by way of two-dimensional simulations. <i>Organic Electronics</i> , 2010, 11, 127-136.	2.6	46
27	MOSFET-Like Behavior of a-InGaZnO Thin-Film Transistors With Plasma-Exposed Source-Drain Bulk Region. <i>Journal of Display Technology</i> , 2009, 5, 495-500.	1.2	45
28	Highly Customizable All Solution-Processed Polymer Light Emitting Diodes with Inkjet Printed Ag and Transfer Printed Conductive Polymer Electrodes. <i>Advanced Functional Materials</i> , 2019, 29, 1902412.	14.9	45
29	Two-Dimensional Thickness-Dependent Avalanche Breakdown Phenomena in MoS ₂ Field-Effect Transistors under High Electric Fields. <i>ACS Nano</i> , 2018, 12, 7109-7116.	14.6	43
30	A Single Droplet-Printed Double-Side Universal Soft Electronic Platform for Highly Integrated Stretchable Hybrid Electronics. <i>Advanced Functional Materials</i> , 2017, 27, 1701912.	14.9	42
31	Stable Stretchable Silver Electrode Directly Deposited on Wavy Elastomeric Substrate. <i>IEEE Electron Device Letters</i> , 2009, 30, 1284-1286.	3.9	37
32	Thread-Like CMOS Logic Circuits Enabled by Reel-Processed Single-Walled Carbon Nanotube Transistors via Selective Doping. <i>Advanced Materials</i> , 2017, 29, 1701822.	21.0	37
33	Transparent flexible plastic substrates for organic light-emitting devices. <i>Journal of Electronic Materials</i> , 2004, 33, 312-320.	2.2	36
34	Highly Customizable Transparent Silver Nanowire Patterning via Inkjet-Printed Conductive Polymer Templates Formed on Various Surfaces. <i>Advanced Materials Technologies</i> , 2020, 5, 2000042.	5.8	35
35	One-Step Interface Engineering for All-Inkjet-Printed, All-Organic Components in Transparent, Flexible Transistors and Inverters: Polymer Binding. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8819-8829.	8.0	34
36	Electrical-Stress-Induced Threshold Voltage Instability in Solution-Processed ZnO Thin-Film Transistors: An Experimental and Simulation Study. <i>IEEE Transactions on Electron Devices</i> , 2011, 58, 1995-2002.	3.0	33

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37	Effects of defect creation on bidirectional behavior with hump characteristics of InGaZnO TFTs under bias and thermal stress. Japanese Journal of Applied Physics, 2015, 54, 03CB03.	1.5	31
38	Stretchable PPG sensor with light polarization for physical activityâ€“permissible monitoring. Science Advances, 2022, 8, eabm3622.	10.3	31
39	Contact Resistance of Inkjet-Printed Silver Sourceâ€“Drain Electrodes in Bottom-Contact OTFTs. Journal of Display Technology, 2012, 8, 48-53.	1.2	30
40	Soft Modular Electronic Blocks (SMEBs): A Strategy for Tailored Wearable Healthâ€“Monitoring Systems. Advanced Science, 2019, 6, 1801682.	11.2	30
41	High-performance polymer light emitting diodes with interface-engineered graphene anodes. Organic Electronics, 2013, 14, 2324-2330.	2.6	29
42	Highly Reliable Liquid Metalâ€“Solid Metal Contacts with a Corrugated Singleâ€“Walled Carbon Nanotube Diffusion Barrier for Stretchable Electronics. Advanced Functional Materials, 2018, 28, 1806014.	14.9	28
43	Selectively modulated inkjet printing of highly conductive and transparent foldable polymer electrodes for flexible polymer light-emitting diode applications. Organic Electronics, 2015, 19, 147-156.	2.6	27
44	Frequency analysis on poly(3-hexylthiophene) rectifier using impedance spectroscopy. Thin Solid Films, 2009, 518, 889-892.	1.8	26
45	All-Inkjet-Printed Organic Thin-Film Transistors with Silver Gate, Source/Drain Electrodes. Japanese Journal of Applied Physics, 2011, 50, 03CB05.	1.5	26
46	High-performance organic charge trap flash memory devices based on ink-jet printed 6,13-bis(triisopropylsilylethynyl) pentacene transistors. Applied Physics Letters, 2010, 96, 213107.	3.3	25
47	Revisit to three-dimensional percolation theory: Accurate analysis for highly stretchable conductive composite materials. Scientific Reports, 2016, 6, 34632.	3.3	25
48	Network Structure Modificationâ€“Enabled Hybrid Polymer Dielectric Film with Zirconia for the Stretchable Transistor Applications. Advanced Functional Materials, 2020, 30, 1906647.	14.9	25
49	Distortionâ€“Free Stretchable Lightâ€“Emitting Diodes via Imperceptible Microwrinkles. Advanced Materials Technologies, 2020, 5, 2000231.	5.8	24
50	Measurement of finger joint angle using stretchable carbon nanotube strain sensor. PLoS ONE, 2019, 14, e0225164.	2.5	23
51	Spin-coated Ga-doped ZnO transparent conducting thin films for organic light-emitting diodes. Journal Physics D: Applied Physics, 2009, 42, 139801-139801.	2.8	22
52	Role of tunneling layer in graphene-oxide based organic nonvolatile memory transistors. Organic Electronics, 2012, 13, 2887-2892.	2.6	21
53	Inkjet-Printed Silver Gate Electrode and Organic Dielectric Materials for Bottom-Gate Pentacene Thin-Film Transistors. Journal of the Korean Physical Society, 2009, 54, 518-522.	0.7	20
54	Synthesis and properties of phenothiazylene vinyleneâ€“based polymers: New organic semiconductors for fieldâ€“effect transistors and solar cells. Journal of Polymer Science Part A, 2010, 48, 635-646.	2.3	19

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55	Side-chain effects on phenothiazine-based donor-acceptor copolymer properties in organic photovoltaic devices. <i>Journal of Polymer Science Part A</i> , 2012, 50, 649-658.	2.3	19
56	The rapid and dense assembly of solution-processed single-wall carbon nanotube semiconducting films via an acid-based additive in the aqueous dispersion. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5461-5468.	5.5	19
57	All-Inkjet-Printed Organic Thin-Film Transistors with Silver Gate, Source/Drain Electrodes. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 03CB05.	1.5	18
58	Electronic Skin Based on a Cellulose/Carbon Nanotube Fiber Network for Large-Area 3D Touch and Real-Time 3D Surface Scanning. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 53111-53119.	8.0	18
59	Accurate Defect Density-of-State Extraction Based on Back-Channel Surface Potential Measurement for Solution-Processed Metal-Oxide Thin-Film Transistors. <i>IEEE Transactions on Electron Devices</i> , 2017, 64, 1683-1688.	3.0	17
60	Stretchable hybrid electronics: combining rigid electronic devices with stretchable interconnects into high-performance on-skin electronics. <i>Journal of Information Display</i> , 2022, 23, 163-184.	4.0	17
61	Solution-Processable Zinc Oxide for the Polymer Solar Cell Based on P3HT:PCBM. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 5995-6000.	0.9	16
62	Recent progress in strain-engineered elastic platforms for stretchable thin-film devices. <i>Materials Horizons</i> , 2022, 9, 2053-2075.	12.2	16
63	Opto-Electronic Properties of Poly (Fluorene) Co-Polymer Red Light-Emitting Devices on Flexible Plastic Substrate. <i>IEEE Transactions on Electron Devices</i> , 2004, 51, 1562-1569.	3.0	15
64	Fully inkjet-printed short-channel organic thin-film transistors and inverter arrays on flexible substrates. <i>Flexible and Printed Electronics</i> , 2016, 1, 045003.	2.7	15
65	Modulus-Gradient Conductive Core-Shell Structures Formed by Magnetic Self-Assembling and Printing Processes for Highly Stretchable Via Applications. <i>Advanced Electronic Materials</i> , 2017, 3, 1600517.	5.1	15
66	Self-Defined Short Channel Formation With Micromolded Separator and Inkjet-Printed Source/Drain Electrodes in OTFTs. <i>IEEE Electron Device Letters</i> , 2011, 32, 1758-1760.	3.9	14
67	Crack propagation design in transparent polymeric conductive films via carbon nanotube fiber-reinforcement and its application for highly sensitive and mechanically durable strain sensors. <i>Smart Materials and Structures</i> , 2019, 28, 025008.	3.5	14
68	Stretchable strain-tolerant soft printed circuit board: a systematic approach for the design rules of stretchable interconnects. <i>Journal of Information Display</i> , 2020, 21, 41-47.	4.0	14
69	Integrating sphere charge coupled device-based measurement method for organic light-emitting devices. <i>Review of Scientific Instruments</i> , 2003, 74, 3572-3575.	1.3	13
70	Active-matrix organic light-emitting displays employing two thin-film-transistor a-Si:H pixels on flexible stainless-steel foil. <i>Journal of the Society for Information Display</i> , 2007, 15, 433.	2.1	13
71	Elastomeric nanowire composite for flexible pressure sensors with tunable sensitivity. <i>Journal of Information Display</i> , 2016, 17, 59-64.	4.0	13
72	Optoelectrical properties of four amorphous silicon thin-film transistors 200 dpi active-matrix organic polymer light-emitting display. <i>Applied Physics Letters</i> , 2003, 83, 3233-3235.	3.3	12

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73	Underwater maneuvering of robotic sheets through buoyancy-mediated active flutter. <i>Science Robotics</i> , 2021, 6, .	17.6	12
74	Gate Overlap Optimization and Performance Variation for Thin-Film Transistors with Source/Drain Edge Waviness. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 036501.	1.5	11
75	Synthesis and properties of phenothiazylene vinylene and bithiophene-based copolymers for organic thin film transistors. <i>Synthetic Metals</i> , 2011, 161, 72-78.	3.9	11
76	F-number matching method in light field microscopy using an elastic micro lens array. <i>Optics Letters</i> , 2016, 41, 2751.	3.3	11
77	Tunable Stability of All-Inkjet-Printed Double-Gate Carbon Nanotube Thin Film Transistors. <i>IEEE Electron Device Letters</i> , 2020, 41, 860-863.	3.9	11
78	Performance of top-gate thin film transistors with solution processed ZnO channel layer and PVP gate dielectric. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010, 207, 1664-1667.	1.8	10
79	Multidipping Technique for Fabrication Time Reduction and Performance Improvement of Solution-Processed Single-Walled Carbon Nanotube Thin-Film Transistors. <i>Advanced Engineering Materials</i> , 2020, 22, 1901413.	3.5	10
80	Inkjet-Printing-Based Density Profile Engineering of Single-Walled Carbon Nanotube Networks for Conformable High-On/Off-Performance Thin-Film Transistors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 43163-43173.	8.0	10
81	Amorphous silicon TFT-based active-matrix organic polymer LEDs. <i>IEEE Electron Device Letters</i> , 2003, 24, 451-453.	3.9	9
82	A New Thin-Film Transistor Pixel Structure Suppressing the Leakage Current Effects on AMOLED. <i>IEEE Electron Device Letters</i> , 2009, 30, 240-242.	3.9	9
83	Stretchable Low Resistance Thick Silver Electrode on Poly(dimethylsiloxane) Compliant Elastomeric Substrate. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 05EB09.	1.5	9
84	Tunable threshold voltage in solution-processed single-walled carbon nanotube thin-film transistors. <i>Current Applied Physics</i> , 2015, 15, S8-S11.	2.4	9
85	Efficient Surface Treatment to Improve Contact Properties of Inkjet-Printed Short-Channel Organic Thin-Film Transistors. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 5718-5721.	0.9	9
86	Printed cylindrical lens pair for application to the seam concealment in tiled displays. <i>Optics Express</i> , 2018, 26, 824.	3.4	9
87	Reducing image sticking in AMOLED displays with time-ratio gray scale by analog calibration. <i>Journal of the Society for Information Display</i> , 2009, 17, 705-713.	2.1	8
88	2-D Strain Sensors Implemented on Asymmetrically Bi-Axially Pre-Strained PDMS for Selectively Switching Stretchable Light-Emitting Device Arrays. <i>IEEE Sensors Journal</i> , 2020, 20, 14655-14661.	4.7	8
89	P-8: A New Hybrid Analog-Digital Driving Method to Improve AMOLED Lifetime. <i>Digest of Technical Papers SID International Symposium</i> , 2008, 39, 1196.	0.3	7
90	Energy harvesting by rotation of wheel for tire monitoring system. , 2012, , .		7

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91	Synthesis and characterization of thermally crosslinkable hole-transporting polymers for PLEDs. Journal of Polymer Science Part A, 2013, 51, 5111-5117.	2.3	7
92	Enhanced light outcoupling of polymer light-emitting diodes with a solution-processed, -flattening photonic-crystal underlayer. Journal of Information Display, 2016, 17, 143-150.	4.0	7
93	Selective crack formation on stretchable silver nano-particle based thin films for customized and integrated strain-sensing system. Thin Solid Films, 2020, 707, 138068.	1.8	7
94	Fluoroelastomer encapsulation for enhanced reliability of solution-processed carbon nanotube thin-film transistors. Thin Solid Films, 2020, 704, 138021.	1.8	7
95	Effect of Electrode Area on High Speed Characteristics over 1MHz of Poly(3-hexylthiophene-2,5-diyl) Diode with Inkjet-Printed Ag Electrode. Molecular Crystals and Liquid Crystals, 2009, 513, 256-261.	0.9	6
96	Lithium doping and gate dielectric dependence study of solution-processed zinc-oxide thin-film transistors. Journal of the Society for Information Display, 2010, 18, 552-557.	2.1	6
97	Holography and plasma oxidation for uniform nanoscale two dimensional channel formation of vertical organic field-effect transistors with suppressed gate leakage current. Organic Electronics, 2011, 12, 1841-1845.	2.6	6
98	Invited Paper: Key Enabling Technology for Stretchable LED Display and Electronic System. Digest of Technical Papers SID International Symposium, 2017, 48, 253-256.	0.3	6
99	Artificial Soft Elastic Media with Periodic Hard Inclusions for Tailoring Strain-Sensitive Thin-Film Responses. Advanced Materials, 2018, 30, e1802190.	21.0	6
100	Dense Assembly of Finely Patterned Semiconducting Single-Walled Carbon Nanotubes via a Selective Transfer Method of Nanotube-Attracting Layers. ACS Applied Materials & Interfaces, 2020, 12, 38441-38450.	8.0	6
101	Materials and device structures for high-performance poly OLEDs on flexible plastic substrates. , 2001, 4105, 356.		5
102	Air-stable organic polymer red light-emitting devices on flexible plastic substrates. , 2002, , .		5
103	Optoelectronic properties of poly(fluorene) co-polymer light-emitting devices on a plastic substrate. Journal of the Society for Information Display, 2005, 13, 993.	2.1	5
104	Frequency Performance Optimization of Flexible Pentacene Rectifier by Varying the Thickness of Active Layer. Japanese Journal of Applied Physics, 2010, 49, 05EB07.	1.5	5
105	Invited Paper: Technical Issues Towards All Inkjet-Printed Organic Thin-Film Transistors. Digest of Technical Papers SID International Symposium, 2010, 41, 1147-1150.	0.3	4
106	Solution-processed Organic/Inorganic Hybrid CMOS-Type Inverter. Digest of Technical Papers SID International Symposium, 2011, 42, 1563-1566.	0.3	4
107	Highly efficient solution-processed inverted polymer light emitting diodes with uniformly coated poly(3,4-ethylenedioxythiophene):poly(styrene-sulfonate) layers on a hydrophobic emission layer using a dilution method. Thin Solid Films, 2018, 660, 782-788.	1.8	4
108	Stable Logic Operation of Fiber-Based Single-Walled Carbon Nanotube Transistor Circuits Toward Thread-Like CMOS Circuitry. Materials, 2018, 11, 1878.	2.9	4

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109	PÖ: <i>Lateߝ News Poster:</i> Stretchable ActiveߝMatrix LightߝEmitting Diode Array Using Printed Electric Components on Plastic and Elastomer Hybrid Substrate. Digest of Technical Papers SID International Symposium, 2018, 49, 1925-1927.	0.3	4
110	PÛ: SolutionߝProcessed SingleߝWalled Carbon Nanotube Thin Film Transistors Inߝsitu Patterned by InkjetߝPrinting of Surface Treatment Material. Digest of Technical Papers SID International Symposium, 2019, 50, 1321-1324.	0.3	4
111	Characteristics of Inverters Using Pentacene Organic Thin Film Transistors with Printed Ag Electrodes. Molecular Crystals and Liquid Crystals, 2009, 513, 262-267.	0.9	3
112	Flexible High-Performance All-Inkjet-Printed Inverters: Organo-Compatible and Stable Interface Engineering (Adv. Mater. 34/2013). Advanced Materials, 2013, 25, 4772-4772.	21.0	3
113	Effective mobility enhancement of amorphous In-Ga-Zn-O thin-film transistors by holographically generated periodic conductor. AIP Advances, 2016, 6, .	1.3	3
114	Stretchable Electronics: DistortionߝFree Stretchable LightߝEmitting Diodes via Imperceptible Microwrinkles (Adv. Mater. Technol. 9/2020). Advanced Materials Technologies, 2020, 5, 2070057.	5.8	3
115	Effects of lithium doping and ultraviolet photo-patterning on electrical properties of InGaZnO thin film transistors. Thin Solid Films, 2020, 707, 138098.	1.8	3
116	Enhanced current path by circularly and periodically-aligned semiconducting single-walled carbon nanotubes for logic circuit device. Flexible and Printed Electronics, 2022, 7, 015005.	2.7	3
117	Guest Editorial Special Issue on Transparent Electronics. Journal of Display Technology, 2009, 5, 429-430.	1.2	2
118	Solution processed polymer light-emitting diodes with single layer graphene anode. , 2012, , .		2
119	49-4L:<i>Late-News Paper</i>: All-Ink-Jet-Printed Wearable Information Display Directly Fabricated onto an Elastomeric Substrate. Digest of Technical Papers SID International Symposium, 2016, 47, 672-675.	0.3	2
120	38ߝ2: <i>Invited Paper:</i> StrainߝEngineered Platform Technology for Stretchable Hybrid Electronics. Digest of Technical Papers SID International Symposium, 2018, 49, 483-485.	0.3	2
121	Organic Field-Effect Transistors: Enhanced Charge Injection Properties of Organic Field-Effect Transistor by Molecular Implantation Doping (Adv. Mater. 10/2019). Advanced Materials, 2019, 31, 1970073.	21.0	2
122	Improved Long-Term Stability of Low-Temperature Polysilicon Thin-Film Transistors by Using a Tandem Gate Insulator with an Atomic Layer of Deposited Silicon Dioxide. Journal of the Korean Physical Society, 2020, 77, 277-281.	0.7	2
123	Silver Nanowire Patterning: Highly Customizable Transparent Silver Nanowire Patterning via InkjetߝPrinted Conductive Polymer Templates Formed on Various Surfaces (Adv. Mater. Technol.) Tj ETQq1 1 0.784314 rgB/Overlo	1.3	2
124	Stamp-Perforation-Inspired Micronotch for Selectively Tearing Fiber-Bridged Carbon Nanotube Thin Films and Its Applications for Strain Classification. ACS Applied Materials & Interfaces, 2021, 13, 32307-32315.	8.0	2
125	Modeling of Printed Wavy Edge Patterns in TFT Channel Area. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	1
126	Effect of the plasmaߝassisted patterning of the organic layers on the performance of organic lightߝemitting diodes. Journal of Information Display, 2009, 10, 111-116.	4.0	1

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127	Pâ€188L: <i>Lateâ€News Poster</i>: Quantification of Image Sticking for Images with Different Longâ€Range Nonâ€Uniformity. Digest of Technical Papers SID International Symposium, 2009, 40, 1386-1388.	0.3	1
128	Investigating the environmental stability of Li-doped ZnO based thin film transistors by two dimensional numerical simulations. , 2010, , .		1
129	Vertical organic field-effect transistor array fabrication based on laser holography lithography process. , 2011, , .		1
130	Importance of Simulation Studies in Analysis of Thin Film Transistors Based on Organic and Metal Oxide Semiconductors. , 0, , .		1
131	Pâ€114: Investigation of TIPSâ€pentacene on Inkjetâ€Printed Silver Source/Drain Electrodes. Digest of Technical Papers SID International Symposium, 2011, 42, 1535-1538.	0.3	1
132	Inkjet-printed SWCNT films for stretchable electrode and strain sensor applications. , 2012, , .		1
133	Sol-gel deposited gallium-doped zinc oxide electrode for polymer light-emitting diode applications. Proceedings of SPIE, 2012, , .	0.8	1
134	Stretchable Electronics: Highly Reliable Liquid Metalâ€Solid Metal Contacts with a Corrugated Singleâ€Walled Carbon Nanotube Diffusion Barrier for Stretchable Electronics (Adv. Funct. Mater.) Tj ETQq0 0 0 rgB1. Overlock 10 Tf 50	0.4	1
135	New Design Topology of High-<i>Q</i> Factor Printed Base Antenna Having Unequal Width and Pitch Used for Near-Field Wireless Power Transmission. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 984-996.	5.4	1
136	Frequency Dependency of Multi-layer OLED Current Density-voltage Shift and Its Application to Digitally-driven AMOLED. Journal of the Optical Society of Korea, 2012, 16, 181-184.	0.6	1
137	Pâ€72: <i>Student Poster</i>: Highly Uniform Speckle Pattern Created via an Elastomeric Stencil Mask for Highâ€Precision Digitalâ€Imageâ€Correlation Analysis of Substrateâ€Stretching Deformation. Digest of Technical Papers SID International Symposium, 2022, 53, 1309-1311.	0.3	1
138	46â€4: <i>Student Paper</i>: Reconfigurable and Reusable Soft Modular LED Blocks Assembly. Digest of Technical Papers SID International Symposium, 2022, 53, 589-591.	0.3	1
139	Flexible temperature sensor array of PDMS-encapsulated conductive CNT thin films fabricated by solution process. , 2009, , .		0
140	Quantitative evaluation of image sticking on displays with different gradual luminous variation. Journal of the Society for Information Display, 2010, 18, 228-234.	2.1	0
141	The effects of annealing process under H$_2$/N$_2$ environment on the characteristics of low temperature solution processed InGaZnO thin film transistors. , 2011, , .		0
142	Solution-processed high-k dielectrics for low-voltage IGZO TFTs. , 2013, , .		0
143	Effects of the defect creation on the bidirectional shift of threshold voltage with hump characteristics of InGaZnO TFTs under bias and thermal stress. , 2014, , .		0
144	71-4: Illumination-Insensitive Mechanically Stable Transparent Flexible All-Ink-Jet-Printed Single-Walled Carbon-Nanotube TFTs. Digest of Technical Papers SID International Symposium, 2016, 47, 962-965.	0.3	0

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145	Thin Films: Artificial Soft Elastic Media with Periodic Hard Inclusions for Tailoring Strain-Sensitive Thin-Film Responses (Adv. Mater. 40/2018). Advanced Materials, 2018, 30, 1870304.	21.0	0
146	24.3: <i>Invited Paper:</i> Printed Electrodes for All-Solution-Processed Inverted-Structure OLEDs. Digest of Technical Papers SID International Symposium, 2019, 50, 242-242.	0.3	0
147	P§: Printed Reflective Sloped Wall for Enhancing Luminance of ColorConversion Light Source. Digest of Technical Papers SID International Symposium, 2019, 50, 1485-1487.	0.3	0
148	P»: Micro-Patternable AgNWâPEDOT:PSS Hybrid Electrodes for All-Solution-Processed Polymer Light-Emitting Diodes. Digest of Technical Papers SID International Symposium, 2020, 51, 2075-2078.	0.3	0
149	Pt: Soft and Reconfigurable Wearable LED Display Using Soft Modular Blocks. Digest of Technical Papers SID International Symposium, 2020, 51, 1808-1810.	0.3	0
150	P½: Late-News-Poster: In-situ Selective UVÜ 3 based Facile Patterning Method of Random SWCNT Networks for Solution-processed SWCNT TFT and Circuit Application. Digest of Technical Papers SID International Symposium, 2020, 51, 2113-2116.	0.3	0
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