

Yongtaek Hong

List of Publications by Year in descending order

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156
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5373
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#	ARTICLE	IF	CITATIONS
1	New Design Topology of High-Q 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
2	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
3	Stretchable PPG sensor with light polarization for physical activity-permissible monitoring. Science Advances, 2022, 8, eabm3622.	10.3	31
4	Stretchable hybrid electronics: combining rigid electronic devices with stretchable interconnects into high-performance on-skin electronics. Journal of Information Display, 2022, 23, 163-184.	4.0	17
5	Recent progress in strain-engineered elastic platforms for stretchable thin-film devices. Materials Horizons, 2022, 9, 2053-2075.	12.2	16
6	PH: Student Poster: Highly Uniform Speckle Pattern Created via an Elastomeric Stencil Mask for High-Precision Digital-Image-Correlation Analysis of Substrate-Stretching Deformation. Digest of Technical Papers SID International Symposium, 2022, 53, 1309-1311.	0.3	1
7	46: Student Paper: Reconfigurable and Reusable Soft Modular LED Blocks Assembly. Digest of Technical Papers SID International Symposium, 2022, 53, 589-591.	0.3	1
8	Underwater maneuvering of robotic sheets through buoyancy-mediated active flutter. Science Robotics, 2021, 6, .	17.6	12
9	3D printing-based mirrored image component for seamless modular curved-edge displays. Optics Express, 2021, 29, 14745.	3.4	0
10	Standalone real-time health monitoring patch based on a stretchable organic optoelectronic system. Science Advances, 2021, 7, .	10.3	144
11	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
12	Inkjet-Printing-Based Density Profile Engineering of Single-Walled Carbon Nanotube Networks for Conformable High-On/Off-Performance Thin-Film Transistors. ACS Applied Materials & Interfaces, 2021, 13, 43163-43173.	8.0	10
13	Electronic Skin Based on a Cellulose/Carbon Nanotube Fiber Network for Large-Area 3D Touch and Real-Time 3D Surface Scanning. ACS Applied Materials & Interfaces, 2021, 13, 53111-53119.	8.0	18
14	Network Structure Modification-Enabled Hybrid Polymer Dielectric Film with Zirconia for the Stretchable Transistor Applications. Advanced Functional Materials, 2020, 30, 1906647.	14.9	25
15	Stretchable strain-tolerant soft printed circuit board: a systematic approach for the design rules of stretchable interconnects. Journal of Information Display, 2020, 21, 41-47.	4.0	14
16	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
17	P»: Micro-Patternable AgNW&#PEDOT: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
18	Stretchable Electronics: Distortion-Free Stretchable Light&#Emitting Diodes via Imperceptible Microwrinkles (Adv. Mater. Technol. 9/2020). Advanced Materials Technologies, 2020, 5, 2070057.	5.8	3

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19	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
20	Pâ#16: Soft and Reconfigurable Wearable LED Display Using Soft Modular Blocks. <i>Digest of Technical Papers SID International Symposium</i> , 2020, 51, 1808-1810.	0.3	0
21	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
22	Dense Assembly of Finely Patterned Semiconducting Single-Walled Carbon Nanotubes via a Selective Transfer Method of Nanotube-Attracting Layers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38441-38450.	8.0	6
23	Pâ#189: Lateâ#2019 Newsâ#2019 Poster: Inâ#2019situ Selective UVâ#20193 based Facile Patterning Method of Random SWCNT Networks for Solutionâ#2019processed SWCNT TFT and Circuit Application. <i>Digest of Technical Papers SID International Symposium</i> , 2020, 51, 2113-2116.	0.3	0
24	Pâ#190: Lateâ#2019 Newsâ#2019 Poster: Micrometerâ#2019scale Patterning of Selfâ#2019assembled SWCNT Films and Thinâ#2019Film Transistors Using Patterned PLL Layer. <i>Digest of Technical Papers SID International Symposium</i> , 2020, 51, 2117-2120.	0.3	0
25	Distortionâ#2019Free Stretchable Lightâ#2019Emitting Diodes via Imperceptible Microwrinkles. <i>Advanced Materials Technologies</i> , 2020, 5, 2000231.	5.8	24
26	Selective crack formation on stretchable silver nano-particle based thin films for customized and integrated strain-sensing system. <i>Thin Solid Films</i> , 2020, 707, 138068.	1.8	7
27	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
28	Silver Nanowire Patterning: Highly Customizable Transparent Silver Nanowire Patterning via Inkjetâ#2019Printed Conductive Polymer Templates Formed on Various Surfaces (<i>Adv. Mater. Technol.</i>) Tj ETQq0 0 0 rgBTg/Overlook 10 Tf 50	5.8	35
29	Fluoroelastomer encapsulation for enhanced reliability of solution-processed carbon nanotube thin-film transistors. <i>Thin Solid Films</i> , 2020, 704, 138021.	1.8	7
30	Highly Customizable Transparent Silver Nanowire Patterning via Inkjetâ#2019Printed Conductive Polymer Templates Formed on Various Surfaces. <i>Advanced Materials Technologies</i> , 2020, 5, 2000042.	5.8	35
31	Multidipping Technique for Fabrication Time Reduction and Performance Improvement of Solutionâ#2019Processed Singleâ#2019Walled Carbon Nanotube Thinâ#2019Film Transistors. <i>Advanced Engineering Materials</i> , 2020, 22, 1901413.	3.5	10
32	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
33	Effects of lithium doping and ultraviolet photo-patterning on electrical properties of InGaZnO thin film transistors. <i>Thin Solid Films</i> , 2020, 707, 138098.	1.8	3
34	24.3: <i>Invited Paper:</i> Printed Electrodes for Allâ#2019Solutionâ#2019Processed Invertedâ#2019Structure OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 242-242.	0.3	0
35	Measurement of finger joint angle using stretchable carbon nanotube strain sensor. <i>PLoS ONE</i> , 2019, 14, e0225164.	2.5	23
36	Enhanced Charge Injection Properties of Organic Fieldâ#2019Effect Transistor by Molecular Implantation Doping. <i>Advanced Materials</i> , 2019, 31, e1806697.	21.0	60

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37	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
38	PC: Printed Reflective Sloped Wall for Enhancing Luminance of Color Conversion Light Source. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 1485-1487.	0.3	0
39	P: Solution-Processed Single-Walled Carbon Nanotube Thin Film Transistors In-situ Patterned by Inkjet-Printing of Surface Treatment Material. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 1321-1324.	0.3	4
40	Organic Field-Effect Transistors: Enhanced Charge Injection Properties of Organic Field-Effect Transistor by Molecular Implantation Doping (<i>Adv. Mater.</i> 10/2019). <i>Advanced Materials</i> , 2019, 31, 1970073.	21.0	2
41	Soft Modular Electronic Blocks (SMEBs): A Strategy for Tailored Wearable Health-Monitoring Systems. <i>Advanced Science</i> , 2019, 6, 1801682.	11.2	30
42	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
43	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. <i>Thin Solid Films</i> , 2018, 660, 782-788.	1.8	4
44	Stretchable Electronics: Highly Reliable Liquid Metal-Solid Metal Contacts with a Corrugated Single-Walled Carbon Nanotube Diffusion Barrier for Stretchable Electronics (<i>Adv. Funct. Mater.</i>) Tj ETQq0 0 0 rgB1. Overlock 10 Tf 50	14.9	28
45	Stable Logic Operation of Fiber-Based Single-Walled Carbon Nanotube Transistor Circuits Toward Thread-Like CMOS Circuitry. <i>Materials</i> , 2018, 11, 1878.	2.9	4
46	Thin Films: Artificial Soft Elastic Media with Periodic Hard Inclusions for Tailoring Strain-Sensitive Thin-Film Responses (<i>Adv. Mater.</i> 40/2018). <i>Advanced Materials</i> , 2018, 30, 1870304.	21.0	0
47	Highly Reliable Liquid Metal-Solid Metal Contacts with a Corrugated Single-Walled Carbon Nanotube Diffusion Barrier for Stretchable Electronics. <i>Advanced Functional Materials</i> , 2018, 28, 1806014.	14.9	28
48	Electronic skins for soft, compact, reversible assembly of wirelessly activated fully soft robots. <i>Science Robotics</i> , 2018, 3, .	17.6	176
49	38: <i>Invited Paper:</i> Strain-Engineered Platform Technology for Stretchable Hybrid Electronics. <i>Digest of Technical Papers SID International Symposium</i> , 2018, 49, 483-485.	0.3	2
50	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
51	Printed cylindrical lens pair for application to the seam concealment in tiled displays. <i>Optics Express</i> , 2018, 26, 824.	3.4	9
52	Artificial Soft Elastic Media with Periodic Hard Inclusions for Tailoring Strain-Sensitive Thin-Film Responses. <i>Advanced Materials</i> , 2018, 30, e1802190.	21.0	6
53	PÖ: <i>Late-News Poster:</i> Stretchable Active-Matrix Light-Emitting Diode Array Using Printed Electric Components on Plastic and Elastomer Hybrid Substrate. <i>Digest of Technical Papers SID International Symposium</i> , 2018, 49, 1925-1927.	0.3	4
54	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

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55	One-Step Interface Engineering for All-Inkjet-Printed, All-Organic Components in Transparent, Flexible Transistors and Inverters: Polymer Binding. ACS Applied Materials & Interfaces, 2017, 9, 8819-8829.	8.0	34
56	Thread-Like CMOS Logic Circuits Enabled by Reel-Processed Single-Walled Carbon Nanotube Transistors via Selective Doping. Advanced Materials, 2017, 29, 1701822.	21.0	37
57	19-3: <i>Invited Paper</i> : Key Enabling Technology for Stretchable LED Display and Electronic System. Digest of Technical Papers SID International Symposium, 2017, 48, 253-256.	0.3	6
58	Accurate Defect Density-of-State Extraction Based on Back-Channel Surface Potential Measurement for Solution-Processed Metal-Oxide Thin-Film Transistors. IEEE Transactions on Electron Devices, 2017, 64, 1683-1688.	3.0	17
59	Fully printable, strain-engineered electronic wrap for customizable soft electronics. Scientific Reports, 2017, 7, 45328.	3.3	56
60	Highly Sensitive and Bendable Capacitive Pressure Sensor and Its Application to 1 V Operation Pressure-Sensitive Transistor. Advanced Electronic Materials, 2017, 3, 1600455.	5.1	78
61	Transparent Large-Area MoS ₂ Phototransistors with Inkjet-Printed Components on Flexible Platforms. ACS Nano, 2017, 11, 10273-10280.	14.6	72
62	A Single Droplet-Printed Double-Side Universal Soft Electronic Platform for Highly Integrated Stretchable Hybrid Electronics. Advanced Functional Materials, 2017, 27, 1701912.	14.9	42
63	Efficient Surface Treatment to Improve Contact Properties of Inkjet-Printed Short-Channel Organic Thin-Film Transistors. Journal of Nanoscience and Nanotechnology, 2017, 17, 5718-5721.	0.9	9
64	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
65	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
66	Effective mobility enhancement of amorphous In-Ga-Zn-O thin-film transistors by holographically generated periodic conductor. AIP Advances, 2016, 6, .	1.3	3
67	Fully inkjet-printed short-channel organic thin-film transistors and inverter arrays on flexible substrates. Flexible and Printed Electronics, 2016, 1, 045003.	2.7	15
68	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
69	F-number matching method in light field microscopy using an elastic micro lens array. Optics Letters, 2016, 41, 2751.	3.3	11
70	Revisit to three-dimensional percolation theory: Accurate analysis for highly stretchable conductive composite materials. Scientific Reports, 2016, 6, 34632.	3.3	25
71	The rapid and dense assembly of solution-processed single-wall carbon nanotube semiconducting films via an acid-based additive in the aqueous dispersion. Journal of Materials Chemistry C, 2016, 4, 5461-5468.	5.5	19
72	Elastomeric nanowire composite for flexible pressure sensors with tunable sensitivity. Journal of Information Display, 2016, 17, 59-64.	4.0	13

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73	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
74	Selectively modulated inkjet printing of highly conductive and transparent foldable polymer electrodes for flexible polymer light-emitting diode applications. <i>Organic Electronics</i> , 2015, 19, 147-156.	2.6	27
75	Effects of defect creation on bidirectional behavior with hump characteristics of InGaZnO TFTs under bias and thermal stress. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 03CB03.	1.5	31
76	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
77	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
78	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
79	Inkjet-printed stretchable single-walled carbon nanotube electrodes with excellent mechanical properties. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	58
80	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
81	High-performance polymer light emitting diodes with interface-engineered graphene anodes. <i>Organic Electronics</i> , 2013, 14, 2324-2330.	2.6	29
82	Flexible High-Performance All-Inkjet-Printed Inverters: Organo-Compatible and Stable Interface Engineering (<i>Adv. Mater.</i> 34/2013). <i>Advanced Materials</i> , 2013, 25, 4772-4772.	21.0	3
83	Solution-processed high-k dielectrics for low-voltage IGZO TFTs. , 2013, , .		0
84	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
85	Synthesis and characterization of thermally crosslinkable hole-transporting polymers for PLEDs. <i>Journal of Polymer Science Part A</i> , 2013, 51, 5111-5117.	2.3	7
86	Flexible High-Performance All-Inkjet-Printed Inverters: Organo-Compatible and Stable Interface Engineering. <i>Advanced Materials</i> , 2013, 25, 4773-4777.	21.0	54
87	Inkjet-printed SWCNT films for stretchable electrode and strain sensor applications. , 2012, , .		1
88	Energy harvesting by rotation of wheel for tire monitoring system. , 2012, , .		7
89	Role of tunneling layer in graphene-oxide based organic nonvolatile memory transistors. <i>Organic Electronics</i> , 2012, 13, 2887-2892.	2.6	21
90	Contact Resistance of Inkjet-Printed Silver Source-Drain Electrodes in Bottom-Contact OTFTs. <i>Journal of Display Technology</i> , 2012, 8, 48-53.	1.2	30

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91	Solution processed polymer light-emitting diodes with single layer graphene anode. , 2012, , .		2
92	Sol-gel deposited gallium-doped zinc oxide electrode for polymer light-emitting diode applications. Proceedings of SPIE, 2012, , .	0.8	1
93	Side-chain effects on phenothiazine-based donor-acceptor copolymer properties in organic photovoltaic devices. Journal of Polymer Science Part A, 2012, 50, 649-658.	2.3	19
94	Debye Length and Active Layer Thickness-Dependent Performance Variations of Amorphous Oxide-Based TFTs. IEEE Transactions on Electron Devices, 2012, 59, 710-714.	3.0	62
95	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
96	Self-Defined Short Channel Formation With Micromolded Separator and Inkjet-Printed Source/Drain Electrodes in OTFTs. IEEE Electron Device Letters, 2011, 32, 1758-1760.	3.9	14
97	Vertical organic field-effect transistor array fabrication based on laser holography lithography process. , 2011, , .		1
98	All-Inkjet-Printed Organic Thin-Film Transistor Inverter on Flexible Plastic Substrate. IEEE Electron Device Letters, 2011, 32, 1134-1136.	3.9	156
99	Inkjet-printed stretchable silver electrode on wave structured elastomeric substrate. Applied Physics Letters, 2011, 98, .	3.3	97
100	Synthesis and properties of phenothiazylene vinylene and bithiophene-based copolymers for organic thin film transistors. Synthetic Metals, 2011, 161, 72-78.	3.9	11
101	PÞ: Solution-processed Organic/Inorganic Hybrid CMOS-type Inverter. Digest of Technical Papers SID International Symposium, 2011, 42, 1563-1566.	0.3	4
102	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
103	Electrical-Stress-Induced Threshold Voltage Instability in Solution-Processed ZnO Thin-Film Transistors: An Experimental and Simulation Study. IEEE Transactions on Electron Devices, 2011, 58, 1995-2002.	3.0	33
104	P: Investigation of TIPS-pentacene on Inkjet-Printed Silver Source/Drain Electrodes. Digest of Technical Papers SID International Symposium, 2011, 42, 1535-1538.	0.3	1
105	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
106	Solution-Processable Zinc Oxide for the Polymer Solar Cell Based on P3HT:PCBM. Journal of Nanoscience and Nanotechnology, 2011, 11, 5995-6000.	0.9	16
107	All-Inkjet-Printed Organic Thin-Film Transistors with Silver Gate, Source/Drain Electrodes. Japanese Journal of Applied Physics, 2011, 50, 03CB05.	1.5	18
108	All-Inkjet-Printed Organic Thin-Film Transistors with Silver Gate, Source/Drain Electrodes. Japanese Journal of Applied Physics, 2011, 50, 03CB05.	1.5	26

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109	77.2: <i>Invited Paper</i>: Technical Issues Towards All Inkjet-Printed Organic Thin-Film Transistors. Digest of Technical Papers SID International Symposium, 2010, 41, 1147-1150.	0.3	4
110	Understanding the effect of semiconductor thickness on device characteristics in organic thin film transistors by way of two-dimensional simulations. Organic Electronics, 2010, 11, 127-136.	2.6	46
111	Synthesis and properties of phenothiazylene vinylene-based polymers: New organic semiconductors for field-effect transistors and solar cells. Journal of Polymer Science Part A, 2010, 48, 635-646.	2.3	19
112	Performance of top-gate thin film transistors with solution processed ZnO channel layer and PVP gate dielectric. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 1664-1667.	1.8	10
113	Gate Overlap Optimization and Performance Variation for Thin-Film Transistors with Source/Drain Edge Waviness. Japanese Journal of Applied Physics, 2010, 49, 036501.	1.5	11
114	Zinc concentration dependence study of solution processed amorphous indium gallium zinc oxide thin film transistors using high-k dielectric. Applied Physics Letters, 2010, 97, .	3.3	70
115	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
116	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
117	Stretchable Low Resistance Thick Silver Electrode on Poly(dimethylsiloxane) Compliant Elastomeric Substrate. Japanese Journal of Applied Physics, 2010, 49, 05EB09.	1.5	9
118	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
119	Meyer-Neldel Rule and Extraction of Density of States in Amorphous Indium-Gallium-Zinc-Oxide Thin-Film Transistor by Considering Surface Band Bending. Japanese Journal of Applied Physics, 2010, 49, 03CB02.	1.5	62
120	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
121	Investigating the environmental stability of Li-doped ZnO based thin film transistors by two dimensional numerical simulations. , 2010, , .		1
122	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
123	Flexible temperature sensor array of PDMS-encapsulated conductive CNT thin films fabricated by solution process. , 2009, , .		0
124	A New Thin-Film Transistor Pixel Structure Suppressing the Leakage Current Effects on AMOLED. IEEE Electron Device Letters, 2009, 30, 240-242.	3.9	9
125	Effects of Li doping on the performance and environmental stability of solution processed ZnO thin film transistors. Applied Physics Letters, 2009, 95, 193503.	3.3	64
126	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

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127	Effect of the plasma-assisted patterning of the organic layers on the performance of organic light-emitting diodes. Journal of Information Display, 2009, 10, 111-116.	4.0	1
128	Stable Stretchable Silver Electrode Directly Deposited on Wavy Elastomeric Substrate. IEEE Electron Device Letters, 2009, 30, 1284-1286.	3.9	37
129	Guest Editorial Special Issue on Transparent Electronics. Journal of Display Technology, 2009, 5, 429-430.	1.2	2
130	Review of manufacturing processes for soft biomimetic robots. International Journal of Precision Engineering and Manufacturing, 2009, 10, 171-181.	2.2	236
131	Frequency analysis on poly(3-hexylthiophene) rectifier using impedance spectroscopy. Thin Solid Films, 2009, 518, 889-892.	1.8	26
132	Substrate thermal conductivity effect on heat dissipation and lifetime improvement of organic light-emitting diodes. Applied Physics Letters, 2009, 94, .	3.3	97
133	MOSFET-Like Behavior of a-InGaZnO Thin-Film Transistors With Plasma-Exposed Source-Drain Bulk Region. Journal of Display Technology, 2009, 5, 495-500.	1.2	45
134	Spin-coated Ga-doped ZnO transparent conducting thin films for organic light-emitting diodes. Journal Physics D: Applied Physics, 2009, 42, 035102.	2.8	162
135	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
136	All-solution-processed bottom-gate organic thin-film transistor with improved subthreshold behaviour using functionalized pentacene active layer. Journal Physics D: Applied Physics, 2009, 42, 115107.	2.8	55
137	Carrier conduction mechanism for phosphorescent material doped organic semiconductor. Journal of Applied Physics, 2009, 105, 033709.	2.5	48
138	Reducing image sticking in AMOLED displays with time-ratio gray scale by analog calibration. Journal of the Society for Information Display, 2009, 17, 705-713.	2.1	8
139	Quantification of Image Sticking for Images with Different Long-Range Non-Uniformity. Digest of Technical Papers SID International Symposium, 2009, 40, 1386-1388.	0.3	1
140	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
141	P-8: A New Hybrid Analog-Digital Driving Method to Improve AMOLED Lifetime. Digest of Technical Papers SID International Symposium, 2008, 39, 1196.	0.3	7
142	Modeling of Printed Wavy Edge Patterns in TFT Channel Area. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	1
143	Active-matrix organic light-emitting displays employing two thin-film-transistor a-Si:H pixels on flexible stainless-steel foil. Journal of the Society for Information Display, 2007, 15, 433.	2.1	13
144	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

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145	Opto-Electronic Properties of Poly (Fluorene) Co-Polymer Red Light-Emitting Devices on Flexible Plastic Substrate. IEEE Transactions on Electron Devices, 2004, 51, 1562-1569.	3.0	15
146	Transparent flexible plastic substrates for organic light-emitting devices. Journal of Electronic Materials, 2004, 33, 312-320.	2.2	36
147	Amorphous silicon TFT-based active-matrix organic polymer LEDs. IEEE Electron Device Letters, 2003, 24, 451-453.	3.9	9
148	Integrating sphere charge coupled device-based measurement method for organic light-emitting devices. Review of Scientific Instruments, 2003, 74, 3572-3575.	1.3	13
149	Optoelectrical properties of four amorphous silicon thin-film transistors 200 dpi active-matrix organic polymer light-emitting display. Applied Physics Letters, 2003, 83, 3233-3235.	3.3	12
150	Air-stable organic polymer red light-emitting devices on flexible plastic substrates. , 2002, , .		5
151	Materials and device structures for high-performance poly OLEDs on flexible plastic substrates. , 2001, 4105, 356.		5
152	Importance of Simulation Studies in Analysis of Thin Film Transistors Based on Organic and Metal Oxide Semiconductors. , 0, , .		1