

Xiaojun Guo

List of Publications by Year in descending order

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papers

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citations

136740

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143
docs citations

143
times ranked

4144
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Temperature Solution-Processed All Organic Integration for Large-Area and Flexible High-Resolution Imaging. IEEE Journal of the Electron Devices Society, 2022, 10, 821-826.	1.2	11
2	Flexible Strain Sensors for Wearable Hand Gesture Recognition: From Devices to Systems. Advanced Intelligent Systems, 2022, 4, .	3.3	38
3	Advances in flexible organic field-effect transistors and their applications for flexible electronics. Npj Flexible Electronics, 2022, 6, .	5.1	194
4	Simple Phenazine-Based Compounds Realizing Superior Multicolored Emission. Advanced Optical Materials, 2022, 10, .	3.6	4
5	Suppressing thermal quenching of lead halide perovskite nanocrystals by constructing a wide-bandgap surface layer for achieving thermally stable white light-emitting diodes. Chemical Science, 2022, 13, 3719-3727.	3.7	25
6	Solution processed low power organic field-effect transistor bio-chemical sensor of high transconductance efficiency. Npj Flexible Electronics, 2022, 6, .	5.1	18
7	Amorphous IGZO Thin-Film Transistor Gate Driver in Array for Ultra-Narrow Border Displays. IEEE Journal of the Electron Devices Society, 2022, 10, 351-355.	1.2	3
8	Eliminating Leakage Current in Thin-Film Transistor of Solution-Processed Organic Material Stack for Large-Scale Low-Power Integration. Advanced Electronic Materials, 2022, 8, .	2.6	8
9	Stable Lead-Free Tin Halide Perovskite with Operational Stability >1200h by Suppressing Tin(II) Oxidation. Angewandte Chemie, 2022, 134, .	1.6	2
10	Stable Lead-Free Tin Halide Perovskite with Operational Stability >1200h by Suppressing Tin(II) Oxidation. Angewandte Chemie - International Edition, 2022, 61, .	7.2	34
11	Thin-film transistor arrays for biological sensing systems. Flexible and Printed Electronics, 2022, 7, 023004.	1.5	4
12	Efficient Optoelectronic Devices Enabled by Near-Infrared Organic Semiconductors with a Photoresponse beyond 1050 nm. ACS Applied Materials & Interfaces, 2022, 14, 31066-31074.	4.0	10
13	67: Invited Paper: Organic Thin-Film Transistor Flexible Hybrid Integration for Low-power Ubiquitous Sensor Systems. Digest of Technical Papers SID International Symposium, 2022, 53, 897-899.	0.1	0
14	Detection of electrolyte leakage from lithium-ion batteries using a miniaturized sensor based on functionalized double-walled carbon nanotubes. Journal of Materials Chemistry C, 2021, 9, 6760-6765.	2.7	19
15	Insights into the device structure, processing and material design for an organic thin-film transistor towards functional circuit integration. Materials Chemistry Frontiers, 2021, 5, 6760-6778.	3.2	12
16	Semi-disposable Self-adhesive Sensor System for Wearable Electrocardiogram Detection. IEEE Journal of the Electron Devices Society, 2021, , 1-1.	1.2	1
17	Large Area and Flexible Organic Active Matrix Image Sensor Array Fabricated by Solution Coating Processes at Low Temperature. , 2021, , .		1
18	Circuit Design and Experimental Verification of Low-voltage Organic Field-effect Transistor-based Common Source Amplifier. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	Through-Plastic-Via Three-Dimensional Integration for Integrated Organic Field-Effect Transistor Bio-Chemical Sensor Chip. IEEE Electron Device Letters, 2021, 42, 569-572.	2.2	12
20	Semi-disposable Self-adhesive Sensor System for Wearable Electrocardiogram Detection. , 2021, , .		0
21	Invited Paper: Development of Organic TFT Technology for Active-Matrix Display Backplane. Digest of Technical Papers SID International Symposium, 2021, 52, 9-12.	0.1	5
22	The 2021 flexible and printed electronics roadmap. Flexible and Printed Electronics, 2021, 6, 023001.	1.5	100
23	Flexible strain sensors: from devices to array integration. Flexible and Printed Electronics, 2021, 6, 043002.	1.5	4
24	Fröhlich polaron effect in flexible low-voltage organic thin-film transistors gated with high-k polymer dielectrics. Journal Physics D: Applied Physics, 2021, 54, 444001.	1.3	4
25	Guest Editorial Special Section From the Selected Extended Papers Presented at the CAD-TFT 2020. IEEE Journal of the Electron Devices Society, 2021, 9, 909-910.	1.2	0
26	Low-Temperature Packaging of Ion-Sensitive Organic Field-Effect Transistors on Plastic for Multiple Ion Detection. IEEE Journal of the Electron Devices Society, 2021, 9, 1237-1242.	1.2	4
27	Guest Editorial Circuits and Systems for Flexible Electronics. IEEE Open Journal of Circuits and Systems, 2021, 2, 700-701.	1.4	0
28	Manipulating the Sensitivity and Selectivity of OECT-Based Biosensors via the Surface Engineering of Carbon Cloth Gate Electrodes. Advanced Functional Materials, 2020, 30, 1905361.	7.8	53
29	The mechanism of universal green antisolvents for intermediate phase controlled high-efficiency formamidinium-based perovskite solar cells. Materials Horizons, 2020, 7, 934-942.	6.4	51
30	Improvement of off-axis color shift on hybrid viewing-angle device using dual voltage method. Journal of the Society for Information Display, 2020, 28, 262-272.	0.8	0
31	Facile Four-Mask Processes for Organic Thin-Film Transistor Integration Structure With Metal Interconnect. IEEE Electron Device Letters, 2020, 41, 70-72.	2.2	11
32	Displaying-Synchronous Open-Loop External Compensation for Active-Matrix Light Emitting Diode Displays. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1790-1794.	2.2	11
33	Solvent Resistant Hole-Transporting Thin Films via Diacetylene Cross-Linking and Their Applications in Solution-Processed QLEDs. ACS Applied Polymer Materials, 2020, 2, 3274-3281.	2.0	16
34	Printable Low Power Organic Transistor Technology for Customizable Hybrid Integration Towards Internet of Everything. IEEE Journal of the Electron Devices Society, 2020, 8, 1219-1226.	1.2	19
35	Photocross-Linkable Hole Transport Materials for Inkjet-Printed High-Efficient Quantum Dot Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2020, 12, 58369-58377.	4.0	21
36	Matrix-Addressed Flexible Capacitive Pressure Sensor With Suppressed Crosstalk for Artificial Electronic Skin. IEEE Transactions on Electron Devices, 2020, 67, 2940-2944.	1.6	21

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37	Printable Low Power Organic Transistor for Highly Customizable IoT Devices. , 2020, , .		3
38	Printed Flexible Strain Sensor Array for Bendable Interactive Surface. <i>Advanced Functional Materials</i> , 2020, 30, 2003214.	7.8	69
39	Enabling Low Cost Flexible Smart Packaging System With Internet-of-Things Connectivity via Flexible Hybrid Integration of Silicon RFID Chip and Printed Polymer Sensors. <i>IEEE Sensors Journal</i> , 2020, 20, 5004-5011.	2.4	24
40	Accurate Recognition of Lightweight Objects With Low Resolution Pressure Sensor Array. <i>IEEE Sensors Journal</i> , 2020, 20, 3280-3284.	2.4	8
41	An ultrasensitive biosensor for fast detection of Salmonella using 3D magnetic grid separation and urease catalysis. <i>Biosensors and Bioelectronics</i> , 2020, 157, 112160.	5.3	38
42	Fast Measurement With Chemical Sensors Based on Sliding Window Sampling and Mixed-Feature Extraction. <i>IEEE Sensors Journal</i> , 2020, 20, 8740-8745.	2.4	4
43	Ordered mesoporous carbon sphere-based solid-contact ion-selective electrodes. <i>Journal of Materials Science</i> , 2019, 54, 13674-13684.	1.7	15
44	Pâ€5.3: Design of Amorphous Silicon Thinâ€Film Transistor Gate Driver Circuit with High Reliability and Narrow Border for Middle Size Liquid Crystal Display. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 732-734.	0.1	4
45	Robust Gate Driver on Array Based on Amorphous IGZO Thin-Film Transistor for Large Size High-Resolution Liquid Crystal Displays. <i>IEEE Journal of the Electron Devices Society</i> , 2019, 7, 717-721.	1.2	17
46	Reducing contact resistance in bottom contact organic field effect transistors for integrated electronics. <i>Journal Physics D: Applied Physics</i> , 2019, 53, 014002.	1.3	17
47	A Flexible Acetylcholinesterase-Modified Graphene for Chiral Pesticide Sensor. <i>Journal of the American Chemical Society</i> , 2019, 141, 14643-14649.	6.6	67
48	Screen printed graphene electrodes on textile for wearable electrocardiogram monitoring. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	52
49	High Sensitivity Capacitive Pressure Sensor With Bi-Layer Porous Structure Elastomeric Dielectric Formed by a Facile Solution Based Process. , 2019, 3, 1-4.		13
50	Recent progress in printable organic field effect transistors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 790-808.	2.7	113
51	Thermally cross-linked polyvinyl alcohol as gate dielectrics for solution processing organic field-effect transistors. <i>Synthetic Metals</i> , 2019, 250, 73-78.	2.1	14
52	Polymer-Based Gate Dielectrics for Organic Field-Effect Transistors. <i>Chemistry of Materials</i> , 2019, 31, 2212-2240.	3.2	124
53	Integrated Soft Ionotronic Skin with Stretchable and Transparent Hydrogelâ€Elastomer Ionic Sensors for Hand-Motion Monitoring. <i>Soft Robotics</i> , 2019, 6, 368-376.	4.6	98
54	Scalable Processing Ultrathin Polymer Dielectric Films with a Generic Solution Based Approach for Wearable Soft Electronics. <i>Advanced Materials Technologies</i> , 2019, 4, 1800681.	3.0	36

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55	Employing Drain-Bias Dependent Electrical Characteristics of Poly-Si TFTs to Improve Gray Level Control in Low Power AMOLED Displays. IEEE Journal of the Electron Devices Society, 2019, 7, 489-494.	1.2	5
56	36.3: Low Voltage Organic TFTs with Large Area Compatible Coating Process. Digest of Technical Papers SID International Symposium, 2019, 50, 402-402.	0.1	0
57	Scalable Processing of Low Voltage Organic Field Effect Transistors With a Facile Soft-Contact Coating Approach. IEEE Electron Device Letters, 2019, 40, 1945-1948.	2.2	22
58	Design Methodology for TFT-Based Pseudo-CMOS Logic Array With Multilayer Interconnection Architecture and Optimization Algorithms. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2019, 38, 2043-2057.	1.9	1
59	Mechanical strain and temperature aware design methodology for thin-film transistor based pseudo-CMOS logic array. , 2018, , .		1
60	Integrated Low Voltage Ion Sensing Organic Field Effect Transistor System on Plastic. IEEE Electron Device Letters, 2018, 39, 591-594.	2.2	21
61	Silver Nanowire Mesh-Based Fuse Type Write-Once-Read-Many Memory. IEEE Electron Device Letters, 2018, 39, 347-350.	2.2	9
62	Large Area Solution Processed Poly (Dimethylsiloxane)-Based Thin Film Sensor Patch for Wearable Electrocardiogram Detection. IEEE Electron Device Letters, 2018, 39, 424-427.	2.2	24
63	Silver nanowire/polymer composite soft conductive film fabricated by large-area compatible coating for flexible pressure sensor array. Journal of Semiconductors, 2018, 39, 013001.	2.0	14
64	Improved Sensitivity of Inkjet-Printed PEDOT:PSS Ammonia Sensor With "Nonideal" Morphology. , 2018, 2, 1-4.		3
65	High carrier mobility low-voltage ZnO thin film transistors fabricated at a low temperature via solution processing. Ceramics International, 2018, 44, 11751-11756.	2.3	30
66	Solution-processable organic and hybrid gate dielectrics for printed electronics. Materials Science and Engineering Reports, 2018, 127, 1-36.	14.8	79
67	Highly Sensitive Low Power Ion-sensitive Organic Thin-Film Transistors. , 2018, , .		4
68	Dynamic Voltage Scaling for Low Power AMOLED Displays with Improved Luminous Uniformity. , 2018, , .		0
69	Solution Processed Steep Subthreshold OFETs for Low-power and High Sensitivity Bio-chemical Sensing. , 2018, , .		0
70	All-Additive Solution Processed Silver/Silver Chloride Reference Electrode for Handheld Ion-Sensitive Field-Effect Transistor Sensing System. , 2018, 2, 1-4.		6
71	30.2: Amorphous Silicon Thin-Film Transistor Gate Driver Circuit Design with Time Division Driving Method for In-Cell Touch Display Panel. Digest of Technical Papers SID International Symposium, 2018, 49, 326-329.	0.1	1
72	Subthreshold-Operated Low-Voltage Organic Field-Effect Transistor for Ion-Sensing System of High Transduction Sensitivity. , 2018, 2, 1-4.		7

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73	Achieving humidity-insensitive ammonia sensor based on Poly(3,4-ethylene dioxythiophene): Poly(styrenesulfonate). <i>Organic Electronics</i> , 2018, 62, 234-240.	1.4	25
74	DC Compact Model for Subthreshold Operated Organic Field-Effect Transistors. <i>IEEE Electron Device Letters</i> , 2018, 39, 1191-1194.	2.2	11
75	Flexible-Blade Coating of Small Molecule Organic Semiconductor for Low Voltage Organic Field Effect Transistor. <i>IEEE Electron Device Letters</i> , 2017, 38, 338-340.	2.2	24
76	Universal Compact Model for Thin-Film Transistors and Circuit Simulation for Low-Cost Flexible Large Area Electronics. <i>IEEE Transactions on Electron Devices</i> , 2017, 64, 2030-2037.	1.6	31
77	Flexible Ammonia Sensor Based on PEDOT:PSS/Silver Nanowire Composite Film for Meat Freshness Monitoring. <i>IEEE Electron Device Letters</i> , 2017, 38, 975-978.	2.2	58
78	Bias Stress Stability Improvement in Solution-Processed Low-Voltage Organic Field-Effect Transistors Using Relaxor Ferroelectric Polymer Gate Dielectric. <i>IEEE Electron Device Letters</i> , 2017, 38, 748-751.	2.2	42
79	High Sensitivity Flexible Capacitive Pressure Sensor Using Polydimethylsiloxane Elastomer Dielectric Layer Micro-Structured by 3-D Printed Mold. <i>IEEE Journal of the Electron Devices Society</i> , 2017, 5, 219-223.	1.2	71
80	Design Methodology for Thin-Film Transistor Based Pseudo-CMOS Logic Array with Multi-Layer Interconnect Architecture. , 2017, , .		2
81	A Lewis Acid Monopolar Gate Dielectric for All-Inkjet-Printed Highly Bias-Stress Stable Organic Transistors. <i>Advanced Electronic Materials</i> , 2017, 3, 1700029.	2.6	19
82	Noise Margin, Delay, and Power Model for Pseudo-CMOS TFT Logic Circuits. <i>IEEE Transactions on Electron Devices</i> , 2017, 64, 2635-2642.	1.6	5
83	Current Status and Opportunities of Organic Thin-Film Transistor Technologies. <i>IEEE Transactions on Electron Devices</i> , 2017, 64, 1906-1921.	1.6	224
84	A new fluoropolymer having triazine rings as a dielectric material: synthesis and properties. <i>Polymer Chemistry</i> , 2017, 8, 6173-6180.	1.9	32
85	Novel crosslinkable high-k copolymer dielectrics for high-energy-density capacitors and organic field-effect transistor applications. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20737-20746.	5.2	84
86	Stable Thin-Film Reference Electrode on Plastic Substrate for All-Solid-State Ion-Sensitive Field-Effect Transistor Sensing System. <i>IEEE Electron Device Letters</i> , 2017, 38, 1469-1472.	2.2	26
87	Probing the intrinsic charge transport in indacenodithiophene-co-benzothiadiazole thin films. <i>AIP Advances</i> , 2017, 7, .	0.6	9
88	Fully Solution Processed Bottom-Gate Organic Field-Effect Transistor With Steep Subthreshold Swing Approaching the Theoretical Limit. <i>IEEE Electron Device Letters</i> , 2017, 38, 1465-1468.	2.2	41
89	Room Temperature Grown High-Quality Polymer-Like Carbon Gate Dielectric for Organic Thin-Film Transistors. <i>Advanced Electronic Materials</i> , 2016, 2, 1500374.	2.6	10
90	Low-Voltage pH Sensor Tag Based on All Solution Processed Organic Field-Effect Transistor. <i>IEEE Electron Device Letters</i> , 2016, 37, 1002-1005.	2.2	27

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91	Highly Efficient All-Solution-Processed Low-Voltage Organic Transistor with a Micrometer-Thick Low- κ Polymer Gate Dielectric Layer. <i>Advanced Electronic Materials</i> , 2016, 2, 1500454.	2.6	55
92	A Real-Time and Energy-Efficient Implementation of Difference-of-Gaussian with Flexible Thin-Film Transistors. , 2016, , .		2
93	Improved bias stress stability for low-voltage polymer OTFTs with low- κ /high- κ bilayer gate dielectric. , 2016, , .		1
94	Low voltage organic thin-film transistor with reduced sub-gap DOS for power efficient logic circuits. , 2016, , .		2
95	Low-temperature and solution-processed indium tin oxide films and their applications in flexible transparent capacitive pressure sensors. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	2
96	Noise Margin Modeling for Zero- V_{GS} Load TFT Circuits and Yield Estimation. <i>IEEE Transactions on Electron Devices</i> , 2016, 63, 684-690.	1.6	9
97	All ink-jet printed low-voltage organic field-effect transistors on flexible substrate. <i>Organic Electronics</i> , 2016, 38, 186-192.	1.4	74
98	Large Area One-Step Facile Processing of Microstructured Elastomeric Dielectric Film for High Sensitivity and Durable Sensing over Wide Pressure Range. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 20364-20370.	4.0	187
99	Unencapsulated Air-stable Organic Field Effect Transistor by All Solution Processes for Low Power Vapor Sensing. <i>Scientific Reports</i> , 2016, 6, 20671.	1.6	109
100	Inkjet-Printed Multi-Bit Low-Voltage Fuse-Type Write-Once-Read-Many Memory Cell. <i>IEEE Electron Device Letters</i> , 2016, 37, 862-865.	2.2	6
101	Numerical Simulation and Analysis of the Switching Performance for Printable Low-Voltage Organic Thin-Film Transistors in Active-Matrix Backplanes. <i>Journal of Display Technology</i> , 2016, 12, 690-694.	1.3	5
102	Highly Sensitive and Transparent Strain Sensor Based on Thin Elastomer Film. <i>IEEE Electron Device Letters</i> , 2016, 37, 667-670.	2.2	29
103	Cross-linked Polymer Blend Gate Dielectrics through Thermal Click Chemistry. <i>Chemistry - A European Journal</i> , 2015, 21, 17762-17768.	1.7	9
104	Device/Circuit Mixed-Mode Simulations for Analysis and Design of Projected-Capacitive Touch Sensors. <i>Journal of Display Technology</i> , 2015, 11, 204-208.	1.3	1
105	Corrections to "Ultralow-Voltage Solution-Processed Organic Transistors With Small Gate Dielectric Capacitance". <i>IEEE Electron Device Letters</i> , 2015, 36, 1384-1384.	2.2	1
106	Stable fully-printed polymer resistive read-only memory and its operation in mobile readout system. <i>Organic Electronics</i> , 2015, 27, 259-265.	1.4	6
107	Low-Voltage Large-Current Ion Gel Gated Polymer Transistors Fabricated by a "Cut and Bond" Process. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4759-4762.	4.0	8
108	Annealing-Free Solution-Processed Silver Nanowire-Polymer Composite Transparent Electrodes and Flexible Device Applications. <i>IEEE Nanotechnology Magazine</i> , 2015, 14, 36-41.	1.1	11

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109	Low temperature cross-linked, high performance polymer gate dielectrics for solution-processed organic field-effect transistors. <i>Polymer Chemistry</i> , 2015, 6, 5884-5890.	1.9	25
110	High-Performance Solution-Processed Low-Voltage Polymer Thin-Film Transistors With Low- γ High- γ Bilayer Gate Dielectric. <i>IEEE Electron Device Letters</i> , 2015, 36, 950-952.	2.2	60
111	Top-Gate Dry-Etching Patterned Polymer Thin-Film Transistors With a Protective Layer on Top of the Channel. <i>IEEE Electron Device Letters</i> , 2015, 36, 59-61.	2.2	20
112	A course on thin-film transistor circuit design for modern displays. <i>Journal of the Society for Information Display</i> , 2014, 22, 281-286.	0.8	0
113	Comparative study of encapsulated solution-processed zinc oxide ultraviolet photodetectors with different contacts. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 2184-2188.	0.8	9
114	A New Voltage Driving Scheme to Suppress Non-Idealities of Polycrystalline Thin-Film Transistors for AMOLED Displays. <i>Journal of Display Technology</i> , 2014, 10, 991-994.	1.3	20
115	Solution Processed Organic Thin-Film Transistors With Hybrid Low/High Voltage Operation. <i>Journal of Display Technology</i> , 2014, 10, 971-974.	1.3	10
116	Dual- V_{th} Low-Voltage Solution Processed Organic Thin-Film Transistors With a Thick Polymer Dielectric Layer. <i>IEEE Transactions on Electron Devices</i> , 2014, 61, 2220-2223.	1.6	10
117	Low-temperature MoO ₃ film from a facile synthetic route for an efficient anode interfacial layer in organic optoelectronic devices. <i>Journal of Materials Chemistry C</i> , 2014, 2, 158-163.	2.7	33
118	An Analytical Yield Model for Zero- V_{GS} -Load Thin-Film Transistor Logic Circuits. <i>IEEE Electron Device Letters</i> , 2014, 35, 1269-1271.	2.2	4
119	All-Solution-Processed Low-Voltage Organic Thin-Film Transistor Inverter on Plastic Substrate. <i>IEEE Transactions on Electron Devices</i> , 2014, 61, 1175-1180.	1.6	39
120	Source-Gated Transistors for Power- and Area-Efficient AMOLED Pixel Circuits. <i>Journal of Display Technology</i> , 2014, 10, 928-933.	1.3	33
121	Inkjet printed fine silver electrodes for all-solution-processed low-voltage organic thin film transistors. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1995.	2.7	51
122	Analytical Models for Delay and Power Analysis of Zero- V_{GS} -Load Unipolar Thin-Film Transistor Logic Circuits. <i>IEEE Transactions on Electron Devices</i> , 2014, 61, 3838-3844.	1.6	5
123	Controlling the surface wettability of the polymer dielectric for improved resolution of inkjet-printed electrodes and patterned channel regions in low-voltage solution-processed organic thin film transistors. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5553.	2.7	30
124	Low Voltage Organic/Inorganic Hybrid Complementary Inverter With Low Temperature All Solution Processed Semiconductor and Dielectric Layers. <i>IEEE Electron Device Letters</i> , 2014, 35, 542-544.	2.2	16
125	P.17: Integration of Solution Processed Oxide TFTs with Normal Structure OLEDs for Low-Voltage Operated Top-Emitting AMOLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2013, 44, 1044-1046.	0.1	1
126	Simple Noise Margin Model for Optimal Design of Unipolar Thin-Film Transistor Logic Circuits. <i>IEEE Transactions on Electron Devices</i> , 2013, 60, 1782-1785.	1.6	11

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127	Ligand Exchange of Colloidal ZnO Nanocrystals from the High Temperature and Nonaqueous Approach. Nano-Micro Letters, 2013, 5, 274-280.	14.4	8
128	P.16: Dynamic Supply Voltage Scaling of Pixel Circuits for Static Power Reduction in AMOLEDs. Digest of Technical Papers SID International Symposium, 2013, 44, 1040-1043.	0.1	2
129	Ultralow-Voltage Solution-Processed Organic Transistors With Small Gate Dielectric Capacitance. IEEE Electron Device Letters, 2013, 34, 129-131.	2.2	83
130	Inverted organic solar cells based on aqueous processed ZnO interlayers at low temperature. Applied Physics Letters, 2012, 100, 203906.	1.5	57
131	Low-voltage zinc oxide thin-film transistors with solution-processed channel and dielectric layers below 150°C. Applied Physics Letters, 2012, 101, .	1.5	66
132	1D/2D switchable grating based on field-induced polymer stabilized blue phase liquid crystal. Journal of Applied Physics, 2012, 111, 033101.	1.1	49
133	Solution-Processed Zinc Oxide Thin-Film Transistors With a Low-Temperature Polymer Passivation Layer. IEEE Electron Device Letters, 2012, 33, 1420-1422.	2.2	52
134	Structure-Dependent Contact Barrier Effects in Bottom-Contact Organic Thin-Film Transistors. IEEE Transactions on Electron Devices, 2012, 59, 3382-3388.	1.6	7
135	2-Face Viewable Liquid Crystal Display by In-Plane Switching. Molecular Crystals and Liquid Crystals, 2011, 544, 232/[1220]-236/[1224].	0.4	2
136	P&C161: A Mono/Dual-View Switchable LCD. Digest of Technical Papers SID International Symposium, 2011, 42, 1707-1710.	0.1	1
137	P-79: HSP: A Hybrid Simulation Platform for Backlight Dimming in TFT-LCDs. Digest of Technical Papers SID International Symposium, 2010, 41, 1544.	0.1	3
138	Efficient solar power scavenging and utilization in mobile electronics system. , 2010, , .		7
139	Current-Mode Logic in Organic Semiconductor Based on Source-Gated Transistors. IEEE Electron Device Letters, 2009, 30, 365-367.	2.2	16
140	High-Performance Transistors by Design. Science, 2008, 320, 618-619.	6.0	16
141	Investigation on the Current Nonuniformity in Current-Mode TFT Active-Matrix Display Pixel Circuitry. IEEE Transactions on Electron Devices, 2005, 52, 2379-2385.	1.6	24