

Vivek Subramanian

List of Publications by Year in descending order

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159
papers

8,643
citations

38742

50
h-index

45317

90
g-index

167
all docs

167
docs citations

167
times ranked

9723
citing authors

#	ARTICLE	IF	CITATIONS
1	Inkjet-Printed Line Morphologies and Temperature Control of the Coffee Ring Effect. <i>Langmuir</i> , 2008, 24, 2224-2231.	3.5	819
2	Printed electronics: the challenges involved in printing devices, interconnects, and contacts based on inorganic materials. <i>Journal of Materials Chemistry</i> , 2010, 20, 8446.	6.7	647
3	Plastic-Compatible Low Resistance Printable Gold Nanoparticle Conductors for Flexible Electronics. <i>Journal of the Electrochemical Society</i> , 2003, 150, G412.	2.9	459
4	Quantification of Thin Film Crystallographic Orientation Using X-ray Diffraction with an Area Detector. <i>Langmuir</i> , 2010, 26, 9146-9151.	3.5	315
5	Sub-50 nm P-channel FinFET. <i>IEEE Transactions on Electron Devices</i> , 2001, 48, 880-886.	3.0	243
6	Organic Thin Film Transistors from a Soluble Oligothiophene Derivative Containing Thermally Removable Solubilizing Groups. <i>Journal of the American Chemical Society</i> , 2004, 126, 1596-1597.	13.7	186
7	An Ink-Jet-Deposited Passive Component Process for RFID. <i>IEEE Transactions on Electron Devices</i> , 2004, 51, 1978-1983.	3.0	180
8	Impedance sensing device enables early detection of pressure ulcers in vivo. <i>Nature Communications</i> , 2015, 6, 6575.	12.8	176
9	High-Performance Printed Transistors Realized Using Femtoliter Gravure-Printed Sub-100 nm Metallic Nanoparticle Patterns and Highly Uniform Polymer Dielectric and Semiconductor Layers. <i>Advanced Materials</i> , 2012, 24, 3065-3069.	21.0	168
10	Gravure-printed electronics: recent progress in tooling development, understanding of printing physics, and realization of printed devices. <i>Flexible and Printed Electronics</i> , 2016, 1, 023002.	2.7	160
11	Organic TFTs as gas sensors for electronic nose applications. <i>Sensors and Actuators B: Chemical</i> , 2005, 107, 849-855.	7.8	153
12	Transparent High-Performance Thin Film Transistors from Solution-Processed SnO ₂ /ZrO ₂ Gel-Like Precursors. <i>Advanced Materials</i> , 2013, 25, 1042-1047.	21.0	149
13	Printable polythiophene gas sensor array for low-cost electronic noses. <i>Journal of Applied Physics</i> , 2006, 100, 014506.	2.5	148
14	Scalability of Roll-to-Roll Gravure-Printed Electrodes on Plastic Foils. <i>IEEE Transactions on Electronics Packaging Manufacturing</i> , 2010, 33, 275-283.	1.4	140
15	Weave Patterned Organic Transistors on Fiber for E-Textiles. <i>IEEE Transactions on Electron Devices</i> , 2005, 52, 269-275.	3.0	139
16	Inkjet-Printed Flexible Gold Electrode Arrays for Bioelectronic Interfaces. <i>Advanced Functional Materials</i> , 2016, 26, 1004-1013.	14.9	133
17	Scaling and Optimization of Gravure-Printed Silver Nanoparticle Lines for Printed Electronics. <i>IEEE Transactions on Components and Packaging Technologies</i> , 2010, 33, 105-114.	1.3	117
18	All inkjet-printed, fully self-aligned transistors for low-cost circuit applications. <i>Organic Electronics</i> , 2011, 12, 249-256.	2.6	115

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19	Fully gravure and ink-jet printed high speed pBTTT organic thin film transistors. <i>Organic Electronics</i> , 2010, 11, 2037-2044.	2.6	102
20	Resistance Switching Characteristics of Solid Electrolyte Chalcogenide Ag ₂ Se Nanoparticles for Flexible Nonvolatile Memory Applications. <i>Advanced Materials</i> , 2012, 24, 3573-3576.	21.0	101
21	Characterization and optimization of a printed, primary silver-zinc battery. <i>Journal of Power Sources</i> , 2012, 199, 367-372.	7.8	100
22	Systematic Design of Jettable Nanoparticle-Based Inkjet Inks: Rheology, Acoustics, and Jettable. <i>Langmuir</i> , 2014, 30, 13470-13477.	3.5	100
23	The 2021 flexible and printed electronics roadmap. <i>Flexible and Printed Electronics</i> , 2021, 6, 023001.	2.7	100
24	Fully Inkjet-Printed Transparent Oxide Thin Film Transistors Using a Fugitive Wettability Switch. <i>Advanced Electronic Materials</i> , 2015, 1, 1500086.	5.1	99
25	DNA hybridization detection with organic thin film transistors: Toward fast and disposable DNA microarray chips. <i>Biosensors and Bioelectronics</i> , 2007, 22, 3182-3187.	10.1	96
26	10-nm Channel Length Pentacene Transistors. <i>IEEE Transactions on Electron Devices</i> , 2005, 52, 1874-1879.	3.0	94
27	Patternable polymer bulk heterojunction photovoltaic cells on plastic by rotogravure printing. <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 459-464.	6.2	92
28	Printed Transistors on Paper: Towards Smart Consumer Product Packaging. <i>Advanced Functional Materials</i> , 2014, 24, 5067-5074.	14.9	91
29	Mobility Enhancement in Solution-Processed Transparent Conductive Oxide TFTs due to Electron Donation from Traps in High- κ Gate Dielectrics. <i>Advanced Functional Materials</i> , 2016, 26, 955-963.	14.9	87
30	Femtoliter-Scale Patterning by High-Speed, Highly Scaled Inverse Gravure Printing. <i>Langmuir</i> , 2012, 28, 16711-16723.	3.5	84
31	Fully Gravure-Printed D Flip-Flop on Plastic Foils Using Single-Walled Carbon-Nanotube-Based TFTs. <i>IEEE Electron Device Letters</i> , 2011, 32, 638-640.	3.9	80
32	High-performance germanium-seeded laterally crystallized TFTs for vertical device integration. <i>IEEE Transactions on Electron Devices</i> , 1998, 45, 1934-1939.	3.0	78
33	Mechanistic Studies on Sintering of Silver Nanoparticles. <i>Chemistry of Materials</i> , 2011, 23, 4634-4640.	6.7	77
34	Fully High-Speed Gravure Printed, Low-Variability, High-Performance Organic Polymer Transistors with Sub-5 V Operation. <i>Advanced Electronic Materials</i> , 2016, 2, 1500328.	5.1	77
35	Film Morphology and Thin Film Transistor Performance of Solution-Processed Oligothiophenes. <i>Chemistry of Materials</i> , 2004, 16, 4783-4789.	6.7	76
36	Direct Correlation of Organic Semiconductor Film Structure to Field-Effect Mobility. <i>Advanced Materials</i> , 2005, 17, 2340-2344.	21.0	72

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37	Methodology for Inkjet Printing of Partially Wetting Films. <i>Langmuir</i> , 2010, 26, 15686-15693.	3.5	72
38	P-type CuO and Cu ₂ O transistors derived from a sol-gel copper (II) acetate monohydrate precursor. <i>Thin Solid Films</i> , 2016, 600, 157-161.	1.8	72
39	Low-Temperature-Processed Printed Metal Oxide Transistors Based on Pure Aqueous Inks. <i>Advanced Functional Materials</i> , 2017, 27, 1606062.	14.9	71
40	A Stencil Printed, High Energy Density Silver Oxide Battery Using a Novel Photopolymerizable Poly(acrylic acid) Separator. <i>Advanced Materials</i> , 2015, 27, 689-694.	21.0	69
41	Effect of active layer thickness on bias stress effect in pentacene thin-film transistors. <i>Applied Physics Letters</i> , 2006, 88, 233513.	3.3	67
42	Self-Assembly, Molecular Ordering, and Charge Mobility in Solution-Processed Ultrathin Oligothiophene Films. <i>Chemistry of Materials</i> , 2005, 17, 6033-6041.	6.7	65
43	Investigation of Gold Nanoparticle Inks for Low-Temperature Lead-Free Packaging Technology. <i>Journal of Electronic Materials</i> , 2009, 38, 2720-2725.	2.2	60
44	A robust, gravure-printed, silver nanowire/metal oxide hybrid electrode for high-throughput patterned transparent conductors. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3248-3255.	5.5	60
45	Low-leakage germanium-seeded laterally-crystallized single-grain 100-nm TFTs for vertical integration applications. <i>IEEE Electron Device Letters</i> , 1999, 20, 341-343.	3.9	57
46	High-quality inkjet-printed multilevel interconnects and inductive components on plastic for ultra-low-cost RFID applications. <i>Materials Research Society Symposia Proceedings</i> , 2003, 769, 831.	0.1	56
47	Ink-jetted Silver/Copper conductors for printed RFID applications. <i>Materials Research Society Symposia Proceedings</i> , 2004, 814, 24.	0.1	55
48	Hydrostatic Optimization of Inkjet-Printed Films. <i>Langmuir</i> , 2010, 26, 11568-11573.	3.5	55
49	A Detailed Study of the Forming Stage of an Electrochemical Resistive Switching Memory by KMC Simulation. <i>IEEE Electron Device Letters</i> , 2011, 32, 949-951.	3.9	54
50	Scalability of carbon-nanotube-based thin film transistors for flexible electronic devices manufactured using an all roll-to-roll gravure printing system. <i>Scientific Reports</i> , 2015, 5, 14459.	3.3	54
51	Megahertz-class printed high mobility organic thin-film transistors and inverters on plastic using attoliter-scale high-speed gravure-printed sub-5 μ m gate electrodes. <i>Organic Electronics</i> , 2014, 15, 3639-3647.	2.6	50
52	Controlled two-step solid-phase crystallization for high-performance polysilicon TFT's. <i>IEEE Electron Device Letters</i> , 1997, 18, 378-381.	3.9	49
53	High-Speed Printing of Transistors: From Inks to Devices. <i>Proceedings of the IEEE</i> , 2015, 103, 567-582.	21.3	49
54	Nanoscale ultra-thin-body silicon-on-insulator P-MOSFET with a SiGe/Si heterostructure channel. <i>IEEE Electron Device Letters</i> , 2000, 21, 161-163.	3.9	45

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55	Printed electronics for low-cost electronic systems: Technology status and application development. , 2008, , .		45
56	High-Performance Chemical-Bath-Deposited Zinc Oxide Thin-Film Transistors. IEEE Transactions on Electron Devices, 2007, 54, 1301-1307.	3.0	44
57	Gravure-Printed Solâ€Gels on Flexible Glass: A Scalable Route to Additively Patterned Transparent Conductors. ACS Applied Materials & Interfaces, 2015, 7, 12679-12687.	8.0	44
58	A New Switching Device for Printed Electronics: Inkjet-Printed Microelectromechanical Relay. Nano Letters, 2013, 13, 5355-5360.	9.1	42
59	Electrical characteristics of multilayer MoS2 transistors at real operating temperatures with different ambient conditions. Applied Physics Letters, 2014, 105, 152105.	3.3	40
60	Selective growth of zinc oxide nanorods on inkjet printed seed patterns. Journal of Crystal Growth, 2009, 311, 2352-2358.	1.5	39
61	Label-free low-cost disposable DNA hybridization detection systems using organic TFTs. Biosensors and Bioelectronics, 2010, 25, 972-977.	10.1	36
62	Threeâ€Dimensional Inkjetâ€Printed Interconnects using Functional Metallic Nanoparticle Inks. Advanced Functional Materials, 2014, 24, 6834-6842.	14.9	36
63	Scaling Printable Znâ€Ag₂O Batteries for Integrated Electronics. Advanced Energy Materials, 2019, 9, 1803645.	19.5	36
64	Physical discrimination of amine vapor mixtures using polythiophene gas sensor arrays. Sensors and Actuators B: Chemical, 2010, 150, 254-263.	7.8	35
65	Cell Filling in Gravure Printing for Printed Electronics. Langmuir, 2014, 30, 13716-13726.	3.5	35
66	Lubrication-Related Residue as a Fundamental Process Scaling Limit to Gravure Printed Electronics. Langmuir, 2014, 30, 3612-3624.	3.5	35
67	Solution-Processed Zinc Oxide Transistors for Low-Cost Electronics Applications. Journal of Display Technology, 2009, 5, 525-530.	1.2	34
68	A 20 nm gate-length ultra-thin body p-MOSFET with silicide source/drain. Superlattices and Microstructures, 2000, 28, 445-452.	3.1	33
69	Nanotechnology-based flexible electronics. Nanotechnology, 2012, 23, 340201-340201.	2.6	33
70	Inkjet printing of precisely defined features using contact-angle hysteresis. Journal of Colloid and Interface Science, 2013, 400, 135-139.	9.4	33
71	Roll-to-Roll Gravure with Nanomaterials for Printing Smart Packaging. Journal of Nanoscience and Nanotechnology, 2014, 14, 1303-1317.	0.9	32
72	Scalable, High-Performance Printed InO_{<i>x</i>} Transistors Enabled by Ultraviolet-Annealed Printed High-<i>k</i> AlO_{<i>x</i>} Gate Dielectrics. ACS Applied Materials & Interfaces, 2018, 10, 37277-37286.	8.0	32

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73	High-speed organic transistors fabricated using a novel hybrid-printing technique. <i>Organic Electronics</i> , 2011, 12, 1120-1125.	2.6	31
74	Design and fabrication of 50-nm thin-body p-MOSFETs with a SiGe heterostructure channel. <i>IEEE Transactions on Electron Devices</i> , 2002, 49, 279-286.	3.0	29
75	Printed electronics for low-cost electronic systems: Technology status and application development. , 2008, , .		29
76	Solution-Processable π -Conjugated-Distyryl Oligothiophene Semiconductors with Enhanced Environmental Stability. <i>Chemistry of Materials</i> , 2009, 21, 1927-1938.	6.7	29
77	MHz-Range Fully Printed High-Performance Thin-Film Transistors by Using High-Resolution Gravure-Printed Lines. <i>Advanced Electronic Materials</i> , 2015, 1, 1500155.	5.1	28
78	Measurement, analysis, and modeling of 1/f noise in pentacene thin film transistors. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	26
79	Flexible spin-orbit torque devices. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	26
80	Effect of electrode material on resistive switching memory behavior of solution-processed resistive switches: Realization of robust multi-level cells. <i>Thin Solid Films</i> , 2017, 625, 87-92.	1.8	26
81	DNA detection using organic thin film transistors: Optimization of DNA immobilization and sensor sensitivity. <i>Biosensors and Bioelectronics</i> , 2009, 25, 288-293.	10.1	25
82	High-Performance Inkjet-Printed Four-Terminal Microelectromechanical Relays and Inverters. <i>Nano Letters</i> , 2015, 15, 3261-3266.	9.1	23
83	Effect of thermal cycling on performance of Poly(3-hexylthiophene) Transistors. <i>Materials Research Society Symposia Proceedings</i> , 2003, 771, 10351.	0.1	22
84	Printed unmanned aerial vehicles using paper-based electroactive polymer actuators and organic ion gel transistors. <i>Microsystems and Nanoengineering</i> , 2016, 2, 16032.	7.0	22
85	Printed flexible and transparent electronics: enhancing low-temperature processed metal oxides with 0D and 1D nanomaterials. <i>Nanotechnology</i> , 2019, 30, 272001.	2.6	22
86	Observation of dopant-mediated intermixing at Ge/Si Interface. <i>Applied Physics Letters</i> , 2002, 80, 3706-3708.	3.3	21
87	Correlating Molecular Design to Microstructure in Thermally Convertible Oligothiophenes: The Effect of Branched versus Linear End Groups. <i>Journal of Physical Chemistry B</i> , 2006, 110, 10645-10650.	2.6	21
88	Performance recovery and optimization of poly(3-hexylthiophene) transistors by thermal cycling. <i>Synthetic Metals</i> , 2006, 156, 1241-1248.	3.9	20
89	Inkjetted crystalline single monolayer oligothiophene OTFTs. <i>IEEE Transactions on Electron Devices</i> , 2006, 53, 594-600.	3.0	20
90	First-Principles Studies of the Dynamics of [2]Rotaxane Molecular Switches. <i>Nano Letters</i> , 2009, 9, 3225-3229.	9.1	20

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91	Tailoring Indium Oxide Nanocrystal Synthesis Conditions for Air-Stable High-Performance Solution-Processed Thin-Film Transistors. ACS Applied Materials & Interfaces, 2015, 7, 10069-10075.	8.0	20
92	Application of silicon-germanium in the fabrication of ultra-shallow extension junctions for sub-100 nm PMOSFETs. IEEE Transactions on Electron Devices, 2002, 49, 1436-1443.	3.0	19
93	Inkjetted Organic Transistors using a Novel Pentacene Precursor. Materials Research Society Symposia Proceedings, 2003, 769, 1171.	0.1	19
94	Solution-Processed Complementary Resistive Switching Arrays for Associative Memory. IEEE Transactions on Electron Devices, 2017, 64, 4310-4316.	3.0	19
95	Exploitation of the coffee-ring effect to realize mechanically enhanced inkjet-printed microelectromechanical relays with U-bar-shaped cantilevers. Applied Physics Letters, 2014, 105, .	3.3	17
96	Inkjetted Organic Transistors using a Novel Pentacene Precursor. Materials Research Society Symposia Proceedings, 2003, 771, 1271.	0.1	16
97	Dimensional scaling of high-speed printed organic transistors enabling high-frequency operation. Flexible and Printed Electronics, 2020, 5, 014013.	2.7	16
98	A novel elevated source/drain PMOSFET formed by Ge-B/Si intermixing. IEEE Electron Device Letters, 2002, 23, 218-220.	3.9	15
99	Thickness changes in polythiophene gas sensors exposed to vapor. Sensors and Actuators B: Chemical, 2010, 148, 74-80.	7.8	15
100	Optimization of silicon-germanium TFT's through the control of amorphous precursor characteristics. IEEE Transactions on Electron Devices, 1998, 45, 1690-1695.	3.0	14
101	Fabrication of a high-resolution roll for gravure printing of 2 $\frac{1}{4}$ m features. Proceedings of SPIE, 2015, , .	0.8	14
102	Measurement and analysis of 1/f noise under switched bias in organic thin film transistors. Applied Physics Letters, 2014, 104, 023301.	3.3	13
103	Fully Inkjet-Printed Stress-Tolerant Microelectromechanical Reed Relays for Large-Area Electronics. Advanced Electronic Materials, 2016, 2, 1500482.	5.1	12
104	Observation of Boron and Arsenic Mediated Interdiffusion across Germanium/Silicon Interfaces. Electrochemical and Solid-State Letters, 2002, 5, G5.	2.2	11
105	High performance printed organic transistors using a novel scanned thermal annealing technology. Organic Electronics, 2015, 20, 150-157.	2.6	11
106	Electrostatic Tuning of Spray-Deposited ZnO for Controlled Mobility Enhancement. Advanced Functional Materials, 2017, 27, 1701021.	14.9	10
107	Nanoscale device isolation of organic transistors via electron-beam lithography. Applied Physics Letters, 2005, 86, 033113.	3.3	9
108	Modeling of printed single walled carbon nanotube thin film transistors for attaining optimized clock signals. Journal of Applied Physics, 2010, 108, 102811.	2.5	9

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109	Stacked low-power field-programmable antifuse memories for RFID on plastic. , 2006, , .		8
110	A Kinetic Monte Carlo study on the dynamic switching properties of electrochemical metallization RRAMs during the SET process. , 2010, , .		8
111	Improved Technique for Quantifying the Bias-Dependent Mobility of Metal-Oxide Thin-Film Transistors. IEEE Transactions on Electron Devices, 2015, 62, 855-861.	3.0	8
112	Impedance sensing device for monitoring ulcer healing in human patients. , 2015, 2015, 5130-3.		8
113	Patterning of Solution-Processed, Indium-Free Oxide TFTs by Selective Spray Pyrolysis. Advanced Electronic Materials, 2016, 2, 1500326.	5.1	8
114	Printing and scaling of metallic traces and capacitors using a laboratory-scale rotogravure press. , 2009, , .		7
115	Use of high-k encapsulation to improve mobility in trap-limited metal-oxide semiconductors. Physica Status Solidi (B): Basic Research, 2017, 254, 1700124.	1.5	7
116	A High-Speed Inkjet-Printed Microelectromechanical Relay With a Mechanically Enhanced Double-Clamped Channel-Beam. Journal of Microelectromechanical Systems, 2017, 26, 95-101.	2.5	7
117	All inkjet printed self-aligned transistors and circuits applications. , 2009, , .		6
118	Kinetic Monte Carlo simulation of resistive switching and filament growth in electrochemical RRAMs. , 2010, , .		6
119	Printing Techniques for Thin-Film Electronics. , 2012, , 235-254.		6
120	A mixed-signal EEG interface circuit for use in first year electronics courses. , 2012, , .		5
121	Printed organic transistors for low-cost tagging and sensing applications. , 2007, , .		4
122	A Comprehensive Simulation Study on Metal Conducting Filament Formation in Resistive Switching Memories. , 2011, , .		4
123	Inkjet-printed micro-electro-mechanical switches. , 2011, , .		4
124	Stability in OTFT Gas Sensors. Materials Research Society Symposia Proceedings, 2005, 871, 1.	0.1	3
125	Printed Electronics. , 2009, , 283-317.		3
126	Rotational optical alignment for array based free space board-to-board optical interconnect with zero power hold. , 2010, , .		3

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127	All Printed Edge-Triggered Register Using Single Walled Carbon Nanotube-Based Thin Film Transistor. Journal of Nanoscience and Nanotechnology, 2012, 12, 4261-4264.	0.9	3
128	Effect of sintering conditions on mixed ionic-electronic conducting properties of silver sulfide nanoparticles. Journal of Applied Physics, 2012, 111, 053530.	2.5	3
129	Micro-relay reliability improvement by inkjet-printed microshell encapsulation. , 2013, , .		3
130	39.1: <i>Invited Paper</i>: Printed Inorganic Transistors Based on Transparent Oxides. Digest of Technical Papers SID International Symposium, 2015, 46, 587-590.	0.3	3
131	High-resolution gravure printed lines: proximity effects and design rules. , 2015, , .		3
132	Solution-Processed ZnO Nanowire Network Thin Film Transistors for Transparent Electronics. Materials Research Society Symposia Proceedings, 2005, 905, 1.	0.1	2
133	A field-programmable antifuse memory for RFID on plastic. , 2006, , .		2
134	Label-free low-cost disposable DNA hybridization detection systems using organic TFTs. , 2007, , .		2
135	All printed self-aligned organic transistors for low cost RFID applications. , 2009, , .		2
136	A very reliable multilevel YSZ resistive switching memory. , 2012, , .		2
137	Anomalous process temperature scaling behavior of sol-gel ZrO<inf>x</inf> gate dielectrics: Mobility enhancement in ZnO TFTs. , 2015, , .		2
138	Demonstration of Inkjet Printed Nanoparticle-based Inks for Solder Bump Replacement. International Symposium on Microelectronics, 2012, 2012, 000419-000424.	0.0	2
139	In Situ Monitoring of Crystallinity and Temperature during Rapid Thermal Crystallization of Silicon on Glass. Journal of the Electrochemical Society, 1997, 144, 2216-2221.	2.9	1
140	<title>Response surface optimization for high-performance solid-phase crystallized silicon-germanium thin film transistors</title>. , 1997, , .		1
141	Flexonics. Springer Tracts in Advanced Robotics, 2004, , 203-219.	0.4	1
142	Iodine-doped pentacene schottky diodes for high-frequency RFID rectification. , 2006, , .		1
143	Printable DNA Sensor using Organic Transistors. , 2007, , .		1
144	Tutorial T2: Organic Electronics: Technology, Devices, Circuits, and Applications. , 2007, , .		1

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145	Solution Processed Silver Sulfide Filament Memories. Materials Research Society Symposia Proceedings, 2008, 1113, 1.	0.1	1
146	AM Radio Circuit Using Printed Electronic Components. Journal of Nanoscience and Nanotechnology, 2011, 11, 4384-4388.	0.9	1
147	Printed Organic Chemical Sensors and Sensor Systems. , 2013, , 157-177.		1
148	Engineering high-k $\text{La}_x\text{Zr}_{1-x}\text{O}_y$ dielectrics for high-performance fully-solution-processed transparent transistors. , 2015, ,		1
149	71-2: Invited Paper: Printed Transistors and MEMS for Large-Area Electronics. Digest of Technical Papers SID International Symposium, 2016, 47, 956-959.	0.3	1
150	Inkjet-printed MEM relays for active solar cell routing. , 2018, ,		1
151	First demonstration of vacuum-sealed fully integrated BEOL-compatible field emission devices for Si integrated high voltage applications. , 2018, ,		1
152	Crystalline Organic Semiconducting Thin Films Cast from a Novel Thermolytic Thiophene Oligomer. Materials Research Society Symposia Proceedings, 2004, 814, 102.	0.1	0
153	Printed transistors and passive components for low-cost electronics applications. International Power Modulator Symposium and High-Voltage Workshop, 2006, ,	0.0	0
154	Solution-processed transparent transistors for low-cost, flexible displays. , 2008, ,		0
155	Printed detection and resonant circuit for AM radio. , 2009, ,		0
156	A new candidate for high performance transparent electronic circuits: Sol-gel based $\text{SnO}_2/\text{ZrO}_2$ thin film transistors. , 2011, ,		0
157	High performance solution-processed thin-film transistors based on In_2O_3 nanocrystals. , 2012, ,		0
158	Interpretation of subthreshold swing and threshold voltage in solution-processed zinc oxide TFTs. , 2015, ,		0
159	Improving High-Speed Nanomaterials Printing With Sub-Process-Decoupled Gravure Printer Design. , 2017, ,		0