Vivek Subramanian

List of Publications by Year
in descending order

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159	8,643	38742 50	45317 90
papers	citations	h-index	g-index

167	167	167	9723
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The 2021 flexible and printed electronics roadmap. Flexible and Printed Electronics, 2021, 6, 023001.	2.7	100
2	Dimensional scaling of high-speed printed organic transistors enabling high-frequency operation. Flexible and Printed Electronics, 2020, 5, 014013.	2.7	16
3	Printed flexible and transparent electronics: enhancing low-temperature processed metal oxides with 0D and 1D nanomaterials. Nanotechnology, 2019, 30, 272001.	2.6	22
4	Scaling Printable Znâ€“Ag₂O Batteries for Integrated Electronics. Advanced Energy Materials, 2019, 9, 1803645.	19.5	36
5	Inkjet-printed MEM relays for active solar cell routing. , 2018, , .		1
6	Scalable, High-Performance Printed InO_x Transistors Enabled by Ultraviolet-Annealed Printed High-k AlO_x Gate Dielectrics. ACS Applied Materials & Interfaces, 2018, 10, 37277-37286.	8.0	32
7	First demonstration of vacuum-sealed fully integrated BEOL-compatible field emission devices for Si integrated high voltage applications. , 2018, , .		1
8	Effect of electrode material on resistive switching memory behavior of solution-processed resistive switches: Realization of robust multi-level cells. Thin Solid Films, 2017, 625, 87-92.	1.8	26
9	Lowâ€Temperatureâ€Processed Printed Metal Oxide Transistors Based on Pure Aqueous Inks. Advanced Functional Materials, 2017, 27, 1606062.	14.9	71
10	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
11	Solution-Processed Complementary Resistive Switching Arrays for Associative Memory. IEEE Transactions on Electron Devices, 2017, 64, 4310-4316.	3.0	19
12	Improving High-Speed Nanomaterials Printing With Sub-Process-Decoupled Gravure Printer Design. , 2017, , .		0
13	Electrostatic Tuning of Sprayâ€Deposited ZnO for Controlled Mobility Enhancement. Advanced Functional Materials, 2017, 27, 1701021.	14.9	10
14	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
15	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
16	Inkjetâ€Printed Flexible Gold Electrode Arrays for Bioelectronic Interfaces. Advanced Functional Materials, 2016, 26, 1004-1013.	14.9	133
17	Patterning of Solutionâ€Processed, Indiumâ€Free Oxide TFTs by Selective Spray Pyrolysis. Advanced Electronic Materials, 2016, 2, 1500326.	5.1	8
18	Printed unmanned aerial vehicles using paper-based electroactive polymer actuators and organic ion gel transistors. Microsystems and Nanoengineering, 2016, 2, 16032.	7.0	22

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19	Mobility Enhancement in Solutionâ€Processed Transparent Conductive Oxide TFTs due to Electron Donation from Traps in Highâ€k Gate Dielectrics. Advanced Functional Materials, 2016, 26, 955-963.	14.9	87
20	Gravure-printed electronics: recent progress in tooling development, understanding of printing physics, and realization of printed devices. Flexible and Printed Electronics, 2016, 1, 023002.	2.7	160
21	Fully Highâ€Speed Gravure Printed, Lowâ€Variability, Highâ€Performance Organic Polymer Transistors with Subâ€5 V Operation. Advanced Electronic Materials, 2016, 2, 1500328.	5.1	77
22	Fully Inkjetâ€Printed Stressâ€Tolerant Microelectromechanical Reed Relays for Largeâ€Area Electronics. Advanced Electronic Materials, 2016, 2, 1500482.	5.1	12
23	P-type CuO and Cu2O transistors derived from a solâ€“gel copper (II) acetate monohydrate precursor. Thin Solid Films, 2016, 600, 157-161.	1.8	72
24	A robust, gravure-printed, silver nanowire/metal oxide hybrid electrode for high-throughput patterned transparent conductors. Journal of Materials Chemistry C, 2016, 4, 3248-3255.	5.5	60
25	Interpretation of subthreshold swing and threshold voltage in solution-processed zinc oxide TFTs. , 2015, , .		0
26	Flexible spin-orbit torque devices. Applied Physics Letters, 2015, 107, .	3.3	26
27	Scalability of carbon-nanotube-based thin film transistors for flexible electronic devices manufactured using an all roll-to-roll gravure printing system. Scientific Reports, 2015, 5, 14459.	3.3	54
28	39.1: Invited Paper: Printed Inorganic Transistors Based on Transparent Oxides. Digest of Technical Papers SID International Symposium, 2015, 46, 587-590.	0.3	3
29	MHzâ€Range Fully Printed Highâ€Performance Thinâ€Film Transistors by Using Highâ€Resolution Gravureâ€Printed Lines. Advanced Electronic Materials, 2015, 1, 1500155.	5.1	28
30	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
31	High-Speed Printing of Transistors: From Inks to Devices. Proceedings of the IEEE, 2015, 103, 567-582.	21.3	49
32	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
33	Anomalous process temperature scaling behavior of sol-gel ZrO<inf>x</inf> gate dielectrics: Mobility enhancement in ZnO TFTs. , 2015, , .		2
34	Engineering high-k La<inf>x</inf>Zr<inf>1−x</inf>O<inf>y</inf> dielectrics for high-performance fully-solution-processed transparent transistors. , 2015, , .		1
35	High performance printed organic transistors using a novel scanned thermal annealing technology. Organic Electronics, 2015, 20, 150-157.	2.6	11
36	Impedance sensing device enables early detection of pressure ulcers in vivo. Nature Communications, 2015, 6, 6575.	12.8	176

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37	Fully Inkjetâ€Printed Transparent Oxide Thin Film Transistors Using a Fugitive Wettability Switch. Advanced Electronic Materials, 2015, 1, 1500086.	5.1	99
38	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
39	High-Performance Inkjet-Printed Four-Terminal Microelectromechanical Relays and Inverters. Nano Letters, 2015, 15, 3261-3266.	9.1	23
40	Fabrication of a high-resolution roll for gravure printing of 2Î¼m features. Proceedings of SPIE, 2015, , .	0.8	14
41	High-resolution gravure printed lines: proximity effects and design rules. , 2015, , .		3
42	Impedance sensing device for monitoring ulcer healing in human patients. , 2015, 2015, 5130-3.		8
43	A Stencil Printed, High Energy Density Silver Oxide Battery Using a Novel Photopolymerizable Poly(acrylic acid) Separator. Advanced Materials, 2015, 27, 689-694.	21.0	69
44	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
45	Megahertz-class printed high mobility organic thin-film transistors and inverters on plastic using attoliter-scale high-speed gravure-printed sub-5 Î¼m gate electrodes. Organic Electronics, 2014, 15, 3639-3647.	2.6	50
46	Measurement and analysis of 1/f noise under switched bias in organic thin film transistors. Applied Physics Letters, 2014, 104, 023301.	3.3	13
47	Roll-to-Roll Gravure with Nanomaterials for Printing Smart Packaging. Journal of Nanoscience and Nanotechnology, 2014, 14, 1303-1317.	0.9	32
48	Printed Transistors on Paper: Towards Smart Consumer Product Packaging. Advanced Functional Materials, 2014, 24, 5067-5074.	14.9	91
49	Electrical characteristics of multilayer MoS2 transistors at real operating temperatures with different ambient conditions. Applied Physics Letters, 2014, 105, 152105.	3.3	40
50	Cell Filling in Gravure Printing for Printed Electronics. Langmuir, 2014, 30, 13716-13726.	3.5	35
51	Systematic Design of Jettable Nanoparticle-Based Inkjet Inks: Rheology, Acoustics, and Jettability. Langmuir, 2014, 30, 13470-13477.	3.5	100
52	Lubrication-Related Residue as a Fundamental Process Scaling Limit to Gravure Printed Electronics. Langmuir, 2014, 30, 3612-3624.	3.5	35
53	ThreeâEDimensional Inkjetâ€Printed Interconnects using Functional Metallic Nanoparticle Inks. Advanced Functional Materials, 2014, 24, 6834-6842.	14.9	36
54	Printed Organic Chemical Sensors and Sensor Systems. , 2013, , 157-177.		1

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55	A New Switching Device for Printed Electronics: Inkjet-Printed Microelectromechanical Relay. Nano Letters, 2013, 13, 5355-5360.	9.1	42
56	Inkjet printing of precisely defined features using contact-angle hysteresis. Journal of Colloid and Interface Science, 2013, 400, 135-139.	9.4	33
57	Transparent Highâ€Performance Thin Film Transistors from Solutionâ€Processed SnO₂/ZrO₂ Gelâ€like Precursors. Advanced Materials, 2013, 25, 1042-1047.	21.0	149
58	Micro-relay reliability improvement by inkjet-printed microshell encapsulation. , 2013, , .		3
59	Nanotechnology-based flexible electronics. Nanotechnology, 2012, 23, 340201-340201.	2.6	33
60	High performance solution-processed thin-film transistors based on In<inf>2</inf>O<inf>3</inf> nanocrystals. , 2012, , .		0
61	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
62	Effect of sintering conditions on mixed ionic-electronic conducting properties of silver sulfide nanoparticles. Journal of Applied Physics, 2012, 111, 053530.	2.5	3
63	Femtoliter-Scale Patterning by High-Speed, Highly Scaled Inverse Gravure Printing. Langmuir, 2012, 28, 16711-16723.	3.5	84
64	A very reliable multilevel YSZ resistive switching memory. , 2012, , .		2
65	A mixed-signal EEG interface circuit for use in first year electronics courses. , 2012, , .		5
66	Printing Techniques for Thin-Film Electronics. , 2012, , 235-254.		6
67	Resistance Switching Characteristics of Solid Electrolyte Chalcogenide Ag₂Se Nanoparticles for Flexible Nonvolatile Memory Applications. Advanced Materials, 2012, 24, 3573-3576.	21.0	101
68	Highâ€Performance Printed Transistors Realized Using Femtoliter Gravureâ€Printed Subâ€10 Î¼m Metallic Nanoparticle Patterns and Highly Uniform Polymer Dielectric and Semiconductor Layers. Advanced Materials, 2012, 24, 3065-3069.	21.0	168
69	Characterization and optimization of a printed, primary silverâ€“zinc battery. Journal of Power Sources, 2012, 199, 367-372.	7.8	100
70	Demonstration of Inkjet Printed Nanoparticle-based Inks for Solder Bump Replacement. International Symposium on Microelectronics, 2012, 2012, 000419-000424.	0.0	2
71	Mechanistic Studies on Sintering of Silver Nanoparticles. Chemistry of Materials, 2011, 23, 4634-4640.	6.7	77
72	A Comprehensive Simulation Study on Metal Conducting Filament Formation in Resistive Switching Memories. , 2011, , .		4

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73	Fully Gravure-Printed D Flip-Flop on Plastic Foils Using Single-Walled Carbon-Nanotube-Based TFTs. IEEE Electron Device Letters, 2011, 32, 638-640.	3.9	80
74	Inkjet-printed micro-electro-mechanical switches. , 2011, , .		4
75	AM Radio Circuit Using Printed Electronic Components. Journal of Nanoscience and Nanotechnology, 2011, 11, 4384-4388.	0.9	1
76	All inkjet-printed, fully self-aligned transistors for low-cost circuit applications. Organic Electronics, 2011, 12, 249-256.	2.6	115
77	High-speed organic transistors fabricated using a novel hybrid-printing technique. Organic Electronics, 2011, 12, 1120-1125.	2.6	31
78	A Detailed Study of the Forming Stage of an Electrochemical Resistive Switching Memory by KMC Simulation. IEEE Electron Device Letters, 2011, 32, 949-951.	3.9	54
79	Measurement, analysis, and modeling of 1/f noise in pentacene thin film transistors. Applied Physics Letters, 2011, 99, .	3.3	26
80	A new candidate for high performance transparent electronic circuits: Sol-gel based SnO<inf>2</inf>/ZrO<inf>2</inf> thin film transistors. , 2011, , .		0
81	Fully gravure and ink-jet printed high speed pBTTT organic thin film transistors. Organic Electronics, 2010, 11, 2037-2044.	2.6	102
82	Label-free low-cost disposable DNA hybridization detection systems using organic TFTs. Biosensors and Bioelectronics, 2010, 25, 972-977.	10.1	36
83	Thickness changes in polythiophene gas sensors exposed to vapor. Sensors and Actuators B: Chemical, 2010, 148, 74-80.	7.8	15
84	Physical discrimination of amine vapor mixtures using polythiophene gas sensor arrays. Sensors and Actuators B: Chemical, 2010, 150, 254-263.	7.8	35
85	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
86	Kinetic Monte Carlo simulation of resistive switching and filament growth in electrochemical RRAMs. , 2010, , .		6
87	Methodology for Inkjet Printing of Partially Wetting Films. Langmuir, 2010, 26, 15686-15693.	3.5	72
88	Printed electronics: the challenges involved in printing devices, interconnects, and contacts based on inorganic materials. Journal of Materials Chemistry, 2010, 20, 8446.	6.7	647
89	Scaling and Optimization of Gravure-Printed Silver Nanoparticle Lines for Printed Electronics. IEEE Transactions on Components and Packaging Technologies, 2010, 33, 105-114.	1.3	117
90	Quantification of Thin Film Crystallographic Orientation Using X-ray Diffraction with an Area Detector. Langmuir, 2010, 26, 9146-9151.	3.5	315

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91	Scalability of Roll-to-Roll Gravure-Printed Electrodes on Plastic Foils. IEEE Transactions on Electronics Packaging Manufacturing, 2010, 33, 275-283.	1.4	140
92	Hydrostatic Optimization of Inkjet-Printed Films. Langmuir, 2010, 26, 11568-11573.	3.5	55
93	Rotational optical alignment for array based free space board-to-board optical interconnect with zero power hold. , 2010, , .		3
94	A Kinetic Monte Carlo study on the dynamic switching properties of electrochemical metallization RRAMs during the SET process. , 2010, , .		8
95	Printed detection and resonant circuit for AM radio. , 2009, , .		0
96	Printed Electronics. , 2009, , 283-317.		3
97	DNA detection using organic thin film transistors: Optimization of DNA immobilization and sensor sensitivity. Biosensors and Bioelectronics, 2009, 25, 288-293.	10.1	25
98	Investigation of Gold Nanoparticle Inks for Low-Temperature Lead-Free Packaging Technology. Journal of Electronic Materials, 2009, 38, 2720-2725.	2.2	60
99	Patternable polymer bulk heterojunction photovoltaic cells on plastic by rotogravure printing. Solar Energy Materials and Solar Cells, 2009, 93, 459-464.	6.2	92
100	Selective growth of zinc oxide nanorods on inkjet printed seed patterns. Journal of Crystal Growth, 2009, 311, 2352-2358.	1.5	39
101	First-Principles Studies of the Dynamics of [2]Rotaxane Molecular Switches. Nano Letters, 2009, 9, 3225-3229.	9.1	20
102	Solution-Processable Î±,Ï‰-Distyryl Oligothiophene Semiconductors with Enhanced Environmental Stability. Chemistry of Materials, 2009, 21, 1927-1938.	6.7	29
103	All printed self-aligned organic transistors for low cost RFID applications. , 2009, , .		2
104	Solution-Processed Zinc Oxide Transistors for Low-Cost Electronics Applications. Journal of Display Technology, 2009, 5, 525-530.	1.2	34
105	Printing and scaling of metallic traces and capacitors using a laboratory-scale rotogravure press. , 2009, , .		7
106	All inkjet printed self-aligned transistors and circuits applications. , 2009, , .		6
107	Inkjet-Printed Line Morphologies and Temperature Control of the Coffee Ring Effect. Langmuir, 2008, 24, 2224-2231.	3.5	819
108	Printed electronics for low-cost electronic systems: Technology status and application development. , 2008, , .		29

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109	Printed electronics for low-cost electronic systems: Technology status and application development. , 2008, , .		45
110	Solution-processed transparent transistors for low-cost, flexible displays. , 2008, , .		0
111	Solution Processed Silver Sulfide Filament Memories. Materials Research Society Symposia Proceedings, 2008, 1113, 1.	0.1	1
112	Printable DNA Sensor using Organic Transistors. , 2007, , .		1
113	Printed organic transistors for low-cost tagging and sensing applications. , 2007, , .		4
114	Label-free low-cost disposable DNA hybridization detection systems using organic TFTs. , 2007, , .		2
115	Tutorial T2: Organic Electronics: Technology, Devices, Circuits, and Applications. , 2007, , .		1
116	High-Performance Chemical-Bath-Deposited Zinc Oxide Thin-Film Transistors. IEEE Transactions on Electron Devices, 2007, 54, 1301-1307.	3.0	44
117	DNA hybridization detection with organic thin film transistors: Toward fast and disposable DNA microarray chips. Biosensors and Bioelectronics, 2007, 22, 3182-3187.	10.1	96
118	Printed transistors and passive components for low-cost electronics applications. International Power Modulator Symposium and High-Voltage Workshop, 2006, , .	0.0	0
119	Stacked low-power field-programmable antifuse memories for RFID on plastic. , 2006, , .		8
120	Iodine-doped pentacene schottky diodes for high-frequency RFID rectification. , 2006, , .		1
121	Printable polythiophene gas sensor array for low-cost electronic noses. Journal of Applied Physics, 2006, 100, 014506.	2.5	148
122	Correlating Molecular Design to Microstructure in Thermally Convertible Oligothiophenes:Â The Effect of Branched versus Linear End Groups. Journal of Physical Chemistry B, 2006, 110, 10645-10650.	2.6	21
123	Performance recovery and optimization of poly(3-hexylthiophene) transistors by thermal cycling. Synthetic Metals, 2006, 156, 1241-1248.	3.9	20
124	Inkjetted crystalline single monolayer oligothiophene OTFTs. IEEE Transactions on Electron Devices, 2006, 53, 594-600.	3.0	20
125	A field-programmable antifuse memory for RFID on plastic. , 2006, , .		2
126	Effect of active layer thickness on bias stress effect in pentacene thin-film transistors. Applied Physics Letters, 2006, 88, 233513.	3.3	67

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127	Organic TFTs as gas sensors for electronic nose applications. Sensors and Actuators B: Chemical, 2005, 107, 849-855.	7.8	153
128	Weave Patterned Organic Transistors on Fiber for E-Textiles. IEEE Transactions on Electron Devices, 2005, 52, 269-275.	3.0	139
129	10-nm Channel Length Pentacene Transistors. IEEE Transactions on Electron Devices, 2005, 52, 1874-1879.	3.0	94
130	Direct Correlation of Organic Semiconductor Film Structure to Field-Effect Mobility. Advanced Materials, 2005, 17, 2340-2344.	21.0	72
131	Nanoscale device isolation of organic transistors via electron-beam lithography. Applied Physics Letters, 2005, 86, 033113.	3.3	9
132	Stability in OTFT Gas Sensors. Materials Research Society Symposia Proceedings, 2005, 871, 1.	0.1	3
133	Solution-Processed ZnO Nanowire Network Thin Film Transistors for Transparent Electronics. Materials Research Society Symposia Proceedings, 2005, 905, 1.	0.1	2
134	Self-Assembly, Molecular Ordering, and Charge Mobility in Solution-Processed Ultrathin Oligothiophene Films. Chemistry of Materials, 2005, 17, 6033-6041.	6.7	65
135	Flexonics. Springer Tracts in Advanced Robotics, 2004, , 203-219.	0.4	1
136	Ink-jetted Silver/Copper conductors for printed RFID applications. Materials Research Society Symposia Proceedings, 2004, 814, 24.	0.1	55
137	Crystalline Organic Semiconducting Thin Films Cast from a Novel Thermolytic Thiophene Oligomer. Materials Research Society Symposia Proceedings, 2004, 814, 102.	0.1	0
138	An Ink-Jet-Deposited Passive Component Process for RFID. IEEE Transactions on Electron Devices, 2004, 51, 1978-1983.	3.0	180
139	Film Morphology and Thin Film Transistor Performance of Solution-Processed Oligothiophenes. Chemistry of Materials, 2004, 16, 4783-4789.	6.7	76
140	Organic Thin Film Transistors from a Soluble Oligothiophene Derivative Containing Thermally Removable Solubilizing Groups. Journal of the American Chemical Society, 2004, 126, 1596-1597.	13.7	186
141	Plastic-Compatible Low Resistance Printable Gold Nanoparticle Conductors for Flexible Electronics. Journal of the Electrochemical Society, 2003, 150, G412.	2.9	459
142	High-quality inkjet-printed multilevel interconnects and inductive components on plastic for ultra-low-cost RFID applications. Materials Research Society Symposia Proceedings, 2003, 769, 831.	0.1	56
143	Inkjetted Organic Transistors using a Novel Pentacene Precursor. Materials Research Society Symposia Proceedings, 2003, 769, 1171.	0.1	19
144	Effect of thermal cycling on performance of Poly(3-hexylthiophene) Transistors. Materials Research Society Symposia Proceedings, 2003, 771, 10351.	0.1	22

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145	Inkjetted Organic Transistors using a Novel Pentacene Precursor. Materials Research Society Symposia Proceedings, 2003, 771, 1271.	0.1	16
146	A novel elevated source/drain PMOSFET formed by Ge-B/Si intermixing. IEEE Electron Device Letters, 2002, 23, 218-220.	3.9	15
147	Observation of dopant-mediated intermixing at Ge/Si Interface. Applied Physics Letters, 2002, 80, 3706-3708.	3.3	21
148	Observation of Boron and Arsenic Mediated Interdiffusion across Germanium/Silicon Interfaces. Electrochemical and Solid-State Letters, 2002, 5, G5.	2.2	11
149	Design and fabrication of 50-nm thin-body p-MOSFETs with a SiGe heterostructure channel. IEEE Transactions on Electron Devices, 2002, 49, 279-286.	3.0	29
150	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
151	Sub-50 nm P-channel FinFET. IEEE Transactions on Electron Devices, 2001, 48, 880-886.	3.0	243
152	A 20 nm gate-length ultra-thin body p-MOSFET with silicide source/drain. Superlattices and Microstructures, 2000, 28, 445-452.	3.1	33
153	Nanoscale ultra-thin-body silicon-on-insulator P-MOSFET with a SiGe/Si heterostructure channel. IEEE Electron Device Letters, 2000, 21, 161-163.	3.9	45
154	Low-leakage germanium-seeded laterally-crystallized single-grain 100-nm TFTs for vertical integration applications. IEEE Electron Device Letters, 1999, 20, 341-343.	3.9	57
155	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
156	High-performance germanium-seeded laterally crystallized TFTs for vertical device integration. IEEE Transactions on Electron Devices, 1998, 45, 1934-1939.	3.0	78
157	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
158	<title>Response surface optimization for high-performance solid-phase crystallized silicon-germanium thin film transistors</title>. , 1997, , .		1
159	Controlled two-step solid-phase crystallization for high-performance polysilicon TFT's. IEEE Electron Device Letters, 1997, 18, 378-381.	3.9	49