

Ioannis Kymissis

List of Publications by Year in descending order

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192
papers

6,480
citations

81900

39
h-index

74163

75
g-index

198
all docs

198
docs citations

198
times ranked

8883
citing authors

#	ARTICLE	IF	CITATIONS
1	A PvdF-TrfE Intracochlear Hydrophone and Amplifier For Totally Implantable Cochlear Implants. , 2022, , ,		0
2	Biomass-Derived Nanoporous Graphene Memory Cell. Advanced Materials Interfaces, 2022, 9, .	3.7	3
3	Origin of open-circuit voltage reduction in high-mobility perovskite solar cells. Solar Energy, 2022, 236, 473-479.	6.1	12
4	Bipolar Resistive Switching in Lanthanum Titanium Oxide and an Increased On/Off Ratio Using an Oxygen-Deficient ZnO Interlayer. ACS Applied Materials & Interfaces, 2022, 14, 17682-17690.	8.0	3
5	An Optical Soil Sensor for NPK Nutrient Detection in Smart Cities. , 2022, , .		4
6	Magnetic and dielectric property control in the multivalent nanoscale perovskite $\text{Eu}_{0.5}\text{Ba}_{0.5}\text{TiO}_3$. Nanoscale, 2021, 13, 10365-10384.	5.6	5
7	Early defect identification for micro light-emitting diode displays via photoluminescent and cathodoluminescent imaging. Journal of the Society for Information Display, 2021, 29, 264-274.	2.1	6
8	Flexible optical imaging band system for the assessment of arthritis in patients with systemic lupus erythematosus. Biomedical Optics Express, 2021, 12, 1651.	2.9	0
9	A laboratory course on information display technologies for remote learning. Journal of the Society for Information Display, 2021, 29, 852-858.	2.1	2
10	Enhanced microLED efficiency via strategic pGaN contact geometries. Optics Express, 2021, 29, 14841.	3.4	16
11	51st Color Shifting in High Dynamic Range OLED Displays. Digest of Technical Papers SID International Symposium, 2021, 52, 706-709.	0.3	3
12	Bringing the Lab to the Field: Tracking Movement and Phenotyping Stress in Wild Rats. Biological Psychiatry, 2021, 89, S206.	1.3	2
13	ESD Breakdown of Parylene OFETs With Varying Contact Overlap Capacitance. IEEE Transactions on Electron Devices, 2021, 68, 4630-4636.	3.0	1
14	Organic Thin-Film Transistors as Gas Sensors: A Review. Materials, 2021, 14, 3.	2.9	29
15	High carrier mobility in graphene doped using a monolayer of tungsten oxyselenide. Nature Electronics, 2021, 4, 731-739.	26.0	41
16	Optics in Action: An Overview of the Advancements in Information Display Education. , 2021, , .		0
17	A LoRaWAN-Based Environmental Sensor System for Urban Tree Health Monitoring. , 2021, , .		0
18	An Implantable Umbo Microphone For Fully-Implantable Assistive Hearing Devices. , 2021, , .		0

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19	Polymerâ€Nanocrystal Nanocomposites: Device Concepts in Capacitors and Multiferroics. IEEE Nanotechnology Magazine, 2020, 19, 255-268.	2.0	8
20	Plant Spike: A Low-Cost, Low-Power Beacon for Smart City Soil Health Monitoring. IEEE Internet of Things Journal, 2020, 7, 9080-9090.	8.7	12
21	37â€4: Micro LED Defect Analysis via Photoluminescent and Cathodoluminescent Imaging. Digest of Technical Papers SID International Symposium, 2020, 51, 532-535.	0.3	6
22	44â€4: A Brief Survey of MicroLED Technologies. Digest of Technical Papers SID International Symposium, 2020, 51, 650-652.	0.3	1
23	Improved Cyclohexanone Vapor Detection via Gravimetric Sensing. Journal of Microelectromechanical Systems, 2020, 29, 1253-1263.	2.5	1
24	57â€3: Characterizing Image Retention for HDR OLED Displays. Digest of Technical Papers SID International Symposium, 2020, 51, 850-853.	0.3	3
25	A Highly Linear Non-Magnetic GaN Circulator Based on Spatio-Temporal Modulation with an IIP3 of 56 dBm. , 2020, , .		2
26	A Reconfigurable Surface Acoustic Wave Filter on ZnO/AlGaIn/GaN Heterostructure. IEEE Transactions on Electron Devices, 2020, 67, 4507-4514.	3.0	6
27	Resistance to Unwanted Photo-Oxidation of Multi-Acene Molecules. Journal of Organic Chemistry, 2020, 85, 12731-12739.	3.2	11
28	Organic Thin Film Transistors in Mechanical Sensors. Advanced Functional Materials, 2020, 30, 2004700.	14.9	21
29	Formulation, printing, and poling method for piezoelectric films based on PVDFâ€TrFE. Journal of Applied Physics, 2020, 128, .	2.5	15
30	Review of Gravimetric Sensing of Volatile Organic Compounds. ACS Sensors, 2020, 5, 1514-1534.	7.8	77
31	A Sensorized Multicurved Robot Finger With Data-Driven Touch Sensing via Overlapping Light Signals. IEEE/ASME Transactions on Mechatronics, 2020, 25, 2416-2427.	5.8	31
32	Apparent Piezoâ€Photocurrent Modulation in Methylammonium Lead Iodide Perovskite Photodetectors. Advanced Electronic Materials, 2019, 5, 1900518.	5.1	5
33	Solution-Processable Superatomic Thin-Films. Journal of the American Chemical Society, 2019, 141, 10967-10971.	13.7	11
34	0.6V Threshold Voltage Thin Film Transistors With Solution Processable Indium Oxide (In₂O₃) Channel and Anodized High- κ Al₂O₃ Dielectric. IEEE Electron Device Letters, 2019, 40, 1112-1115.	3.9	13
35	Display meets biology: A vision for ubiquitous healthcare platforms. Journal of the Society for Information Display, 2019, 27, 181-191.	2.1	5
36	Cross-linked polyvinyl phenol as dielectric for flexible bottom gate bottom contact transistors. , 2019, , .		3

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37	A Tunable Surface Acoustic Wave Device on Zinc Oxide via acoustoelectric interaction with AlGaIn/GaN 2DEG. , 2019, , .		3
38	Nanocomposite Capacitors in Power Electronics and Multiferroics: Prospects for the Future of Nanopackaging and Beyond. IEEE Nanotechnology Magazine, 2019, 13, 8-17.	1.3	6
39	Flexible electronic bands for the dynamic optical spectroscopic assessment of systemic lupus erythematosus in finger joints. , 2019, , .		1
40	Near ultraviolet light emission in hexagonal boron nitride based van der Waals heterostructures. , 2019, , .		1
41	Laser assisted rapid fabrication of perovskite photodetector. , 2019, , .		0
42	Localizing Seizure Activity in the Brain Using Implantable Micro-LEDs with Quantum Dot Downconversion. Advanced Materials Technologies, 2018, 3, 1700366.	5.8	14
43	Tri-modal thin-film flexible electronic skin to augment robotic grasping. , 2018, , .		0
44	Employing Pneumatic Nozzle Printing for Controlling the Crystal Growth of Small Molecule Organic Semiconductor for Field-Effect Transistors. Advanced Electronic Materials, 2018, 4, 1700534.	5.1	20
45	Polymer-Nanocrystal Nanocomposite Capacitors and Their Applications in Energy Storage. , 2018, , .		0
46	Sheet-based flexible technologies for mechanical sensing. , 2018, , .		1
47	PVDF-Based Piezoelectric Microphone for Sound Detection Inside the Cochlea: Toward Totally Implantable Cochlear Implants. Trends in Hearing, 2018, 22, 233121651877445.	1.3	40
48	A Hybrid Electronic Nose and Tongue for the Detection of Ketones: Improved Sensor Orthogonality Using Graphene Oxide-Based Detectors. IEEE Sensors Journal, 2017, 17, 1971-1980.	4.7	28
49	Synthesis, characterization and printing application of alkylated indolo[3,2-b]carbazoles. Synthetic Metals, 2017, 228, 9-17.	3.9	16
50	Graphene-organic hybrid electronics. Journal of Materials Chemistry C, 2017, 5, 4598-4613.	5.5	84
51	Invited Paper: Micro-LED Microdisplays by Integration of III-V LEDs with Silicon Thin Film Transistors. Digest of Technical Papers SID International Symposium, 2017, 48, 246-248.	0.3	10
52	Unexpected length dependence of excited-state charge transfer dynamics for surface-confined perylene diimide ensembles. Materials Horizons, 2017, 4, 437-441.	12.2	5
53	Color Fine-Tuning of Optical Materials Through Rational Design. ChemPhysChem, 2017, 18, 549-563.	2.1	15
54	Triple-Mode, Hybrid-Storage, Energy Harvesting Power Management Unit: Achieving High Efficiency Against Harvesting and Load Power Variabilities. IEEE Journal of Solid-State Circuits, 2017, 52, 2550-2562.	5.4	25

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55	Monolithically Integrated CMOS-SMR Oscillator in 65 nm CMOS Using Custom MPW Die-Level Fabrication Process. Journal of Microelectromechanical Systems, 2017, 26, 846-858.	2.5	10
56	Single-crystal-to-single-crystal intercalation of a low-bandgap superatomic crystal. Nature Chemistry, 2017, 9, 1170-1174.	13.6	56
57	Accurate contact localization and indentation depth prediction with an optics-based tactile sensor. , 2017, , .		9
58	Permanent water swelling effect in low temperature thermally reduced graphene oxide. Applied Physics Letters, 2017, 110, .	3.3	9
59	Characterization of ESD protection devices under total ionizing dose irradiation. , 2017, , .		9
60	Die-level processing for 3-D monolithic integration of piezoelectric MEMS on CMOS. , 2017, , .		2
61	Inexpensive, Versatile, and Robust USB-Driven Sensor Platform. , 2017, 1, 1-4.		5
62	Acoustoelectric amplification of surface acoustic waves on ZnO deposited on AlGaIn/GaN Epi. , 2017, , .		0
63	CMOS integrated ZnO thin film bulk acoustic resonator with Si3N4 susceptor layer for improved IR sensitivity. , 2017, , .		3
64	Integrated Light Management as a Path to Miniaturizing Spectrometers. , 2017, , .		1
65	Micro-LED Technologies and Applications. Information Display, 2016, 32, 16-23.	0.2	57
66	P-99: Pneumatic Nozzle Printing as a Versatile Approach to Crystal Growth Management and Patterning of Printed Organic Thin Film Transistors. Digest of Technical Papers SID International Symposium, 2016, 47, 1502-1505.	0.3	6
67	Triple-mode photovoltaic power management: Achieving high efficiency against harvesting and load variability. , 2016, , .		1
68	Improving the radiation hardness of graphene field effect transistors. Applied Physics Letters, 2016, 109, .	3.3	21
69	Contact localization through spatially overlapping piezoresistive signals. , 2016, , .		6
70	Effect of vacuum thermal annealing to encapsulated graphene field effect transistors. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2016, 34, 041805.	1.2	7
71	Length-Independent Charge Transport in Chimeric Molecular Wires. Angewandte Chemie, 2016, 128, 14479-14483.	2.0	1
72	The Effect of Thermal Reduction and Film Thickness on fast Response Transparent Graphene Oxide Humidity Sensors. Procedia Engineering, 2016, 168, 301-304.	1.2	12

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73	Microscopy and microRaman study of periodically poled domains in deeply thinned lithium niobate wafers. Optical Materials, 2016, 57, 243-248.	3.6	6
74	Comparison of top- and bottom-contact pentacene field-effect transistors using photocurrent microscopy. , 2016, , .		4
75	Length-Independent Charge Transport in Chimeric Molecular Wires. Angewandte Chemie - International Edition, 2016, 55, 14267-14271.	13.8	13
76	Limits of Carrier Diffusion in <i>n</i> -Type and <i>p</i> -Type CH ₃ NH ₃ PbI ₃ Perovskite Single Crystals. Journal of Physical Chemistry Letters, 2016, 7, 3510-3518.	4.6	86
77	Radiation hardened graphene field effect transistors. , 2016, , .		3
78	An Intracochlear Pressure Sensor as a Microphone for a Fully Implantable Cochlear Implant. Otology and Neurotology, 2016, 37, 1596-1600.	1.3	19
79	A macroscopic model for vertical graphene-organic semiconductor heterojunction field-effect transistors. Organic Electronics, 2016, 36, 45-49.	2.6	14
80	Production and electrical characterization of the reflectin A2 isoform from Doryteuthis (Loligo) pealeii. RSC Advances, 2016, 6, 57103-57107.	3.6	17
81	Metacapacitors: Printed Thin Film, Flexible Capacitors for Power Conversion Applications. IEEE Transactions on Power Electronics, 2016, 31, 2695-2708.	7.9	16
82	Co-development of complementary technology and modified-CPL family for organic digital integrated circuits. Materials Research Society Symposia Proceedings, 2015, 1795, 19-25.	0.1	0
83	Large scale temperature monitoring system for detection of potential ebola patient. , 2015, , .		1
84	A High-Capacitance Salt-Free Dielectric for Self-Healable, Printable, and Flexible Organic Field Effect Transistors and Chemical Sensor. Advanced Functional Materials, 2015, 25, 3745-3755.	14.9	113
85	An ultra thin implantable system for cerebral blood volume monitoring using flexible OLED and OPD. , 2015, , .		3
86	Energy-Harvesting Active Networked Tags (EnHANTs). ACM Transactions on Sensor Networks, 2015, 11, 1-27.	3.6	38
87	A molybdenum disulfide piezoelectric strain gauge. , 2015, , .		0
88	Substituted triphenylamines as building blocks for star shaped organic electronic materials. New Journal of Chemistry, 2015, 39, 1840-1851.	2.8	21
89	Movers and Shakers: Kinetic Energy Harvesting for the Internet of Things. IEEE Journal on Selected Areas in Communications, 2015, 33, 1624-1639.	14.0	117
90	Difluorinated 6,13-Bis(triisopropylsilyl)ethynyl)pentacene: Synthesis, Crystallinity, and Charge-Transport Properties. ChemPhysChem, 2015, 16, 1251-1257.	2.1	11

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91	Clean Graphene Electrodes on Organic Thin-Film Devices via Orthogonal Fluorinated Chemistry. Nano Letters, 2015, 15, 2555-2561.	9.1	14
92	Observation of Ground- and Excited-State Charge Transfer at the C ₆₀ /Graphene Interface. ACS Nano, 2015, 9, 7175-7185.	14.6	69
93	Encapsulated graphene field-effect transistors for air stable operation. Applied Physics Letters, 2015, 106, .	3.3	35
94	Photocurrent measurements of pentacene-based devices. Applied Physics Reviews, 2015, 2, .	11.3	13
95	Sequential Lateral Solidification of Silicon Thin Films on Cu BEOL-Integrated Wafers for Monolithic 3-D Integration. IEEE Transactions on Electron Devices, 2015, 62, 3887-3891.	3.0	6
96	Decoupling the Effects of Self-Assembled Monolayers on Gold, Silver, and Copper Organic Transistor Contacts. Advanced Materials Interfaces, 2015, 2, 1400384.	3.7	75
97	Low-Voltage Organic Electronics Based on a Gate-Tunable Injection Barrier in Vertical graphene-organic Semiconductor Heterostructures. Nano Letters, 2015, 15, 69-74.	9.1	105
98	Sequential lateral solidification of silicon thin films on low-k dielectrics for low temperature integration. Applied Physics Letters, 2014, 105, .	3.3	5
99	Helium-ion-induced radiation damage in LiNbO ₃ thin-film electro-optic modulators. Optics Express, 2014, 22, 19653.	3.4	15
100	Direct observation of both contact and remote oxygen scavenging of GeO ₂ in a metal-oxide-semiconductor stack. Journal of Applied Physics, 2014, 116, .	2.5	9
101	Waveguide-integrated photonic crystal spectrometer with camera readout. Applied Physics Letters, 2014, 105, 051103.	3.3	16
102	General method for simultaneous optimization of light trapping and carrier collection in an ultra-thin film organic photovoltaic cell. Journal of Applied Physics, 2014, 116, 023110.	2.5	2
103	Strongly Correlated Alignment of Fluorinated 5,11-Bis(triethylgermylethynyl)anthradithiophene Crystallites in Solution-Processed Field-Effect Transistors. ChemPhysChem, 2014, 15, 2913-2916.	2.1	16
104	Low-cost photonic crystals for spectral sensors fabricated using projection lithography. , 2014, , .		0
105	Movers and shakers. , 2014, , .		45
106	Impedance spectroscopy on copper phthalocyanine diodes with surface-induced molecular orientation. Organic Electronics, 2014, 15, 1724-1730.	2.6	20
107	Low-power organic electronics based on gate-tunable injection barrier in vertical graphene-organic semiconductor heterostructures. , 2014, , .		2
108	Printable ammonia sensor based on organic field effect transistor. Organic Electronics, 2014, 15, 3221-3230.	2.6	47

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109	An integrated CMOS quantitative-polymerase-chain-reaction lab-on-chip for point-of-care diagnostics. Lab on A Chip, 2014, 14, 4076-4084.	6.0	149
110	Nanostructured Electrodes Improve the Fill Factor of Organic Photovoltaics. IEEE Journal of Photovoltaics, 2014, 4, 1100-1106.	2.5	7
111	Movers and shakers. Performance Evaluation Review, 2014, 42, 407-419.	0.6	34
112	Amorphous silicon-graphene anodes for lithium ion batteries. , 2013, , .		0
113	Prototyping energy harvesting active networked tags (EnHANTS). , 2013, , .		25
114	Orientation of luminescent excitons in layered nanomaterials. Nature Nanotechnology, 2013, 8, 271-276.	31.5	250
115	A 4.4- μ W Wake-Up Receiver Using Ultrasound Data. IEEE Journal of Solid-State Circuits, 2013, 48, 649-660.	5.4	26
116	Donor-Acceptor Shape Matching Drives Performance in Photovoltaics. Advanced Energy Materials, 2013, 3, 894-902.	19.5	43
117	Bimorph actuator with monolithically integrated CMOS OFET control. Organic Electronics, 2013, 14, 286-290.	2.6	5
118	Templating and Charge Injection from Copper Electrodes into Solution-Processed Organic Field-Effect Transistors. ACS Applied Materials & Interfaces, 2013, 5, 3716-3721.	8.0	29
119	Asymmetric leakage in (Ba, Sr)TiO ₃ nanoparticle/parylene-C composite capacitors. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 35-38.	2.1	9
120	An adaptive testbed of energy harvesting active networked tags (EnHANTS) prototypes. , 2013, , .		1
121	Inexpensive photonic crystal spectrometer for colorimetric sensing applications. Optics Express, 2013, 21, 4411.	3.4	15
122	Project-based learning within a large-scale interdisciplinary research effort. , 2013, , .		12
123	More than meets the eye - A portable measurement unit for characterizing light energy availability. , 2013, , .		5
124	Poly-(3)hexylthiophene nanowire networks for versatile fabrication of bulk heterojunctions with increased active volume. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2013, 31, 031209.	1.2	4
125	Influence of electromigration on the maximum operating field of (Ba,Sr)TiO ₃ /parylene-C composite capacitors. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2013, 31, 060603.	1.2	3
126	A high-resolution spectrometer based on a compact planar two dimensional photonic crystal cavity array. Applied Physics Letters, 2012, 100, 231104.	3.3	73

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127	Special Issue on the 18th International Display Workshops (IDW '11), Part II. Journal of the Society for Information Display, 2012, 20, 551-551.	2.1	0
128	Editorial Best of SID International Symposium. Journal of the Society for Information Display, 2012, 20, 597-597.	2.1	0
129	Evaluating photovoltaic performance indoors. , 2012, , .		14
130	A tone analyzer based on a piezoelectric polymer and organic thin film transistors. Journal of the Acoustical Society of America, 2012, 132, 3826-3831.	1.1	2
131	Electrochemical codeposition of poly(thieno[3,2-b]thiophene) and fullerene: An approach to a bulk heterojunction organic photovoltaic device. Synthetic Metals, 2012, 162, 10-17.	3.9	16
132	Effect of solubilizing agent on properties of poly(3,4-ethylenedioxythiophene) (PEDOT) electrodeposited from aqueous solution. Electrochimica Acta, 2012, 78, 638-643.	5.2	30
133	75.2L: Late-News Paper: A Passive-Matrix Inorganic LED Array as a Projection Source. Digest of Technical Papers SID International Symposium, 2012, 43, 1013-1015.	0.3	2
134	Integrated VOC vapor sensing on FBAR-CMOS array. , 2012, , .		14
135	Reticulated Organic Photovoltaics. Advanced Functional Materials, 2012, 22, 1167-1173.	14.9	13
136	Morphological and Spectroscopic Studies of Electrochemically Deposited Poly(3,4-ethylenedioxythiophene) (PEDOT) Hole Extraction Layer for Organic Photovoltaic Device (OPVd) Fabrication. Journal of Physical Chemistry C, 2011, 115, 4307-4314.	3.1	53
137	Single-layer graphene cathodes for organic photovoltaics. Applied Physics Letters, 2011, 98, .	3.3	60
138	A Laboratory-Based Course in Display Technology. IEEE Transactions on Education, 2011, 54, 314-319.	2.4	10
139	A Locally Amplified Strain Sensor Based on a Piezoelectric Polymer and Organic Field-Effect Transistors. IEEE Transactions on Electron Devices, 2011, 58, 910-917.	3.0	47
140	Gene expression analysis with an integrated CMOS microarray by time-resolved fluorescence detection. Biosensors and Bioelectronics, 2011, 26, 2660-2665.	10.1	19
141	Electrochemically prepared polymer solar cell by three-layer deposition of poly(3,4-ethylenedioxythiophene)/poly(2,2'-bithiophene)/fullerene (PEDOT/PBT/C60). Polymer, 2011, 52, 3627-3632.	3.8	21
142	Organic solar cell-equipped energy harvesting active networked tag (EnHANT) prototypes. , 2011, , .		2
143	Laboratory pentacene and parylene evaporation systems for fabricating organic thin film devices. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2011, 29, 022401.	1.2	4
144	An active matrix arrayed microphone with acoustic bandwidth response. , 2011, , .		0

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145	Group IV Nanocrystals for Silicon Photovoltaics. Materials Research Society Symposia Proceedings, 2011, 1305, 1.	0.1	1
146	An electrostrictive high dielectric constant fluorinated terpolymer sheet fabricated by a melt and stretch extrusion process. Journal of Materials Science, 2010, 45, 6834-6836.	3.7	5
147	LED-Based Optical Device for Chronic <i>In Vivo</i> Cerebral Blood Volume Measurement. IEEE Transactions on Electron Devices, 2010, 57, 174-177.	3.0	8
148	Laboratory Thin-Film Encapsulation of Air-Sensitive Organic Semiconductor Devices. IEEE Transactions on Electron Devices, 2010, 57, 153-156.	3.0	27
149	Photocurrent Study of Oxygen-Mediated Doping States in Pentacene Thin-Film Transistors. IEEE Transactions on Electron Devices, 2010, 57, 380-384.	3.0	13
150	Photovoltaic Universal Joints: Ball-and-Socket Interfaces in Molecular Photovoltaic Cells. ChemPhysChem, 2010, 11, 799-803.	2.1	74
151	Inside Cover: Photovoltaic Universal Joints: Ball-and-Socket Interfaces in Molecular Photovoltaic Cells (ChemPhysChem 4/2010). ChemPhysChem, 2010, 11, 742-742.	2.1	0
152	High <i>K</i> Capacitors and OFET Gate Dielectrics from Self-Assembled BaTiO ₃ and (Ba,Sr)TiO ₃ Nanocrystals in the Superparaelectric Limit. Advanced Functional Materials, 2010, 20, 554-560.	14.9	98
153	Reticulated Heterojunctions for Photovoltaic Devices. Angewandte Chemie - International Edition, 2010, 49, 7909-7912.	13.8	80
154	Energy harvesting active networked tags (EnHANTs) for ubiquitous object networking. IEEE Wireless Communications, 2010, 17, 18-25.	9.0	83
155	Correction to "Study of Local Mobility in Pentacene Field-Effect Transistors Using Spatially Resolved Photocurrent Measurement" [Jul 10 761-763. IEEE Electron Device Letters, 2010, 31, 1164-1164.	3.9	1
156	Doping and Illumination Dependence of $\frac{1}{f}$ Noise in Pentacene Thin-Film Transistors. IEEE Electron Device Letters, 2010, 31, 1050-1052.	3.9	13
157	In situ study of pentacene interaction with archetypal hybrid contacts: Fluorinated versus alkane thiols on gold. Physical Review B, 2010, 82, .	3.2	40
158	Building interactive systems using unconventional electronics. , 2010, , .		0
159	Photonic crystal spectrometer. Optics Express, 2010, 18, 8277.	3.4	61
160	A directly addressed monolithic LED array as a projection source. Journal of the Society for Information Display, 2010, 18, 808-812.	2.1	8
161	Lab kits using the Arduino prototyping platform. , 2010, , .		84
162	FBAR-CMOS Oscillator Array for Mass-Sensing Applications. IEEE Sensors Journal, 2010, 10, 1042-1047.	4.7	63

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163	Study of Local Mobility in Pentacene Field-Effect Transistors Using Spatially Resolved Photocurrent Measurement. IEEE Electron Device Letters, 2010, 31, 761-763.	3.9	10
164	Semiconductor-dielectric interfacial study using spectral-spatial photocurrent probes and 1/f noise probe in organic field effect transistors. , 2009, , .		0
165	Isolation of organic field-effect transistors by surface patterning with an UV/ozone process. Journal of Vacuum Science & Technology B, 2009, 27, 1057.	1.3	3
166	Performance of monolayer graphene nanomechanical resonators with electrical readout. Nature Nanotechnology, 2009, 4, 861-867.	31.5	847
167	Challenge. , 2009, , .		71
168	Solar Cells from a Solution Processable Pentacene with Improved Air Stability. Chemistry of Materials, 2009, 21, 4090-4092.	6.7	43
169	Organic Field Effect Transistors. Integrated Circuits and Systems, 2009, , .	0.2	78
170	NEMS applications of graphene. , 2009, , .		4
171	An Organic Active-Matrix Imager. IEEE Transactions on Electron Devices, 2008, 55, 527-532.	3.0	56
172	An Organic Imager for Flexible Large Area Electronics. Digest of Technical Papers - IEEE International Solid-State Circuits Conference, 2007, , .	0.0	6
173	Molecular Organic Electronic Circuits. IEEE/ACM International Conference on Computer-Aided Design, Digest of Technical Papers, 2006, , .	0.0	0
174	Engineering density of semiconductor-dielectric interface states to modulate threshold voltage in OFETs. IEEE Transactions on Electron Devices, 2006, 53, 9-13.	3.0	59
175	Tunable threshold voltage and flatband voltage in pentacene field effect transistors. Applied Physics Letters, 2006, 89, 112109.	3.3	80
176	Organic Field Emission Device Integrated With Organic Transistor. IEEE Transactions on Electron Devices, 2005, 52, 1907-1914.	3.0	1
177	A Lithographic Process for Integrated Organic Field-Effect Transistors. Journal of Display Technology, 2005, 1, 289-294.	1.2	26
178	Direct extraction of mobility in pentacene OFETs using C-V and I-V measurements. IEEE Electron Device Letters, 2005, 26, 716-718.	3.9	68
179	Memory effect from charge trapping in layered organic structures. Applied Physics Letters, 2004, 85, 4666-4668.	3.3	53
180	Electrical and optical characterization of field emitter tips with integrated vertically stacked focus. IEEE Transactions on Electron Devices, 2003, 50, 2548-2558.	3.0	74

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181	Field emission from a patterned organic conducting composite. Applied Physics Letters, 2003, 82, 2347-2349.	3.3	19
182	Double-gated silicon field emitters. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 486.	1.6	22
183	Patterning pentacene organic thin film transistors. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2002, 20, 956.	1.6	97
184	Correction to "High-performance bottom electrode organic thin-film transistors". IEEE Transactions on Electron Devices, 2001, 48, 1750-1750.	3.0	4
185	High-performance bottom electrode organic thin-film transistors. IEEE Transactions on Electron Devices, 2001, 48, 1060-1064.	3.0	286
186	Low-Voltage, High-Mobility Pentacene Transistors with Solution-Processed High Dielectric Constant Insulators. Advanced Materials, 1999, 11, 1372-1375.	21.0	157
187	Low-Voltage Organic Transistors on Plastic Comprising High-Dielectric Constant Gate Insulators. Science, 1999, 283, 822-824.	12.6	866
188	trans-trans-2,5-Bis-[2-5-(2,2â€²-bithienyl)ethenyl]thiophene: synthesis, characterization, thin film deposition and fabrication of organic field-effect transistors. Synthetic Metals, 1997, 89, 193-197.	3.9	32
189	Novel cmp-based process for fabricating arrays of double-gated silicon field emitters. , 0, , .		3
190	Organic TFT controlled organic field emitter. , 0, , .		0
191	An organic semiconductor based process for photodetecting applications. , 0, , .		3
192	Process control of threshold voltage in organic FETs. , 0, , .		6