

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	Low-Voltage Organic Transistors on Plastic Comprising High-Dielectric Constant Gate Insulators. Science, 1999, 283, 822-824.	12.6	866
2	Performance of monolayer graphene nanomechanical resonators with electrical readout. Nature Nanotechnology, 2009, 4, 861-867.	31.5	847
3	High-performance bottom electrode organic thin-film transistors. IEEE Transactions on Electron Devices, 2001, 48, 1060-1064.	3.0	286
4	Orientation of luminescent excitons in layered nanomaterials. Nature Nanotechnology, 2013, 8, 271-276.	31.5	250
5	Low-Voltage, High-Mobility Pentacene Transistors with Solution-Processed High Dielectric Constant Insulators. Advanced Materials, 1999, 11, 1372-1375.	21.0	157
6	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
7	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
8	A High-ε 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
9	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
10	High K Capacitors and OFET Gate Dielectrics from Self-Assembled BaTiO_3 and $(\text{Ba,Sr})\text{TiO}_3$ Nanocrystals in the Superparaelectric Limit. Advanced Functional Materials, 2010, 20, 554-560.	14.9	98
11	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
12	Limits of Carrier Diffusion in n -Type and p -Type $\text{CH}_3\text{NH}_3\text{PbI}_3$ Perovskite Single Crystals. Journal of Physical Chemistry Letters, 2016, 7, 3510-3518.	4.6	86
13	Lab kits using the Arduino prototyping platform. , 2010, , .		84
14	Graphene-organic hybrid electronics. Journal of Materials Chemistry C, 2017, 5, 4598-4613.	5.5	84
15	Energy harvesting active networked tags (EnHANTs) for ubiquitous object networking. IEEE Wireless Communications, 2010, 17, 18-25.	9.0	83
16	Tunable threshold voltage and flatband voltage in pentacene field effect transistors. Applied Physics Letters, 2006, 89, 112109.	3.3	80
17	Reticulated Heterojunctions for Photovoltaic Devices. Angewandte Chemie - International Edition, 2010, 49, 7909-7912.	13.8	80
18	Organic Field Effect Transistors. Integrated Circuits and Systems, 2009, , .	0.2	78

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19	Review of Gravimetric Sensing of Volatile Organic Compounds. ACS Sensors, 2020, 5, 1514-1534.	7.8	77
20	Decoupling the Effects of Self-Assembled Monolayers on Gold, Silver, and Copper Organic Transistor Contacts. Advanced Materials Interfaces, 2015, 2, 1400384.	3.7	75
21	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
22	Photovoltaic Universal Joints: Ball-and-Socket Interfaces in Molecular Photovoltaic Cells. ChemPhysChem, 2010, 11, 799-803.	2.1	74
23	A high-resolution spectrometer based on a compact planar two dimensional photonic crystal cavity array. Applied Physics Letters, 2012, 100, 231104.	3.3	73
24	Challenge. , 2009, , .		71
25	Observation of Ground- and Excited-State Charge Transfer at the C ₆₀ /Graphene Interface. ACS Nano, 2015, 9, 7175-7185.	14.6	69
26	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
27	FBAR-CMOS Oscillator Array for Mass-Sensing Applications. IEEE Sensors Journal, 2010, 10, 1042-1047.	4.7	63
28	Photonic crystal spectrometer. Optics Express, 2010, 18, 8277.	3.4	61
29	Single-layer graphene cathodes for organic photovoltaics. Applied Physics Letters, 2011, 98, .	3.3	60
30	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
31	Micro-LED Technologies and Applications. Information Display, 2016, 32, 16-23.	0.2	57
32	An Organic Active-Matrix Imager. IEEE Transactions on Electron Devices, 2008, 55, 527-532.	3.0	56
33	Single-crystal-to-single-crystal intercalation of a low-bandgap superatomic crystal. Nature Chemistry, 2017, 9, 1170-1174.	13.6	56
34	Memory effect from charge trapping in layered organic structures. Applied Physics Letters, 2004, 85, 4666-4668.	3.3	53
35	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
36	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

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37	Printable ammonia sensor based on organic field effect transistor. Organic Electronics, 2014, 15, 3221-3230.	2.6	47
38	Movers and shakers. , 2014, , .		45
39	Solar Cells from a Solution Processable Pentacene with Improved Air Stability. Chemistry of Materials, 2009, 21, 4090-4092.	6.7	43
40	Donor–Acceptor Shape Matching Drives Performance in Photovoltaics. Advanced Energy Materials, 2013, 3, 894-902.	19.5	43
41	High carrier mobility in graphene doped using a monolayer of tungsten oxyselenide. Nature Electronics, 2021, 4, 731-739.	26.0	41
42	In situ study of pentacene interaction with archetypal hybrid contacts: Fluorinated versus alkane thiols on gold. Physical Review B, 2010, 82, .	3.2	40
43	PVDF-Based Piezoelectric Microphone for Sound Detection Inside the Cochlea: Toward Totally Implantable Cochlear Implants. Trends in Hearing, 2018, 22, 233121651877445.	1.3	40
44	Energy-Harvesting Active Networked Tags (EnHANTs). ACM Transactions on Sensor Networks, 2015, 11, 1-27.	3.6	38
45	Encapsulated graphene field-effect transistors for air stable operation. Applied Physics Letters, 2015, 106, .	3.3	35
46	Movers and shakers. Performance Evaluation Review, 2014, 42, 407-419.	0.6	34
47	trans-trans-2,5-Bis-[2-5-(2,2'-bithienyl)ethenyl]thiophene: synthesis, characterization, thin film deposition and fabrication of organic field-effect transistors. Synthetic Metals, 1997, 89, 193-197.	3.9	32
48	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
49	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
50	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
51	Organic Thin-Film Transistors as Gas Sensors: A Review. Materials, 2021, 14, 3.	2.9	29
52	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
53	Laboratory Thin-Film Encapsulation of Air-Sensitive Organic Semiconductor Devices. IEEE Transactions on Electron Devices, 2010, 57, 153-156.	3.0	27
54	A Lithographic Process for Integrated Organic Field-Effect Transistors. Journal of Display Technology, 2005, 1, 289-294.	1.2	26

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55	A 4.4- μ W Wake-Up Receiver Using Ultrasound Data. IEEE Journal of Solid-State Circuits, 2013, 48, 649-660.	5.4	26
56	Prototyping energy harvesting active networked tags (EnHANTs). , 2013, , .		25
57	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
58	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
59	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
60	Substituted triphenylamines as building blocks for star shaped organic electronic materials. New Journal of Chemistry, 2015, 39, 1840-1851.	2.8	21
61	Improving the radiation hardness of graphene field effect transistors. Applied Physics Letters, 2016, 109, .	3.3	21
62	Organic Thin Film Transistors in Mechanical Sensors. Advanced Functional Materials, 2020, 30, 2004700.	14.9	21
63	Impedance spectroscopy on copper phthalocyanine diodes with surface-induced molecular orientation. Organic Electronics, 2014, 15, 1724-1730.	2.6	20
64	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
65	Field emission from a patterned organic conducting composite. Applied Physics Letters, 2003, 82, 2347-2349.	3.3	19
66	Gene expression analysis with an integrated CMOS microarray by time-resolved fluorescence detection. Biosensors and Bioelectronics, 2011, 26, 2660-2665.	10.1	19
67	An Intracochlear Pressure Sensor as a Microphone for a Fully Implantable Cochlear Implant. Otology and Neurotology, 2016, 37, 1596-1600.	1.3	19
68	Production and electrical characterization of the reflectin A2 isoform from Doryteuthis (Loligo) pealeii. RSC Advances, 2016, 6, 57103-57107.	3.6	17
69	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
70	Waveguide-integrated photonic crystal spectrometer with camera readout. Applied Physics Letters, 2014, 105, 051103.	3.3	16
71	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
72	Metacapacitors: Printed Thin Film, Flexible Capacitors for Power Conversion Applications. IEEE Transactions on Power Electronics, 2016, 31, 2695-2708.	7.9	16

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73	Synthesis, characterization and printing application of alkylated indolo[3,2-b]carbazoles. Synthetic Metals, 2017, 228, 9-17.	3.9	16
74	Enhanced microLED efficiency via strategic pGaN contact geometries. Optics Express, 2021, 29, 14841.	3.4	16
75	Inexpensive photonic crystal spectrometer for colorimetric sensing applications. Optics Express, 2013, 21, 4411.	3.4	15
76	Helium-ion-induced radiation damage in LiNbO ₃ thin-film electro-optic modulators. Optics Express, 2014, 22, 19653.	3.4	15
77	Color Fine-Tuning of Optical Materials Through Rational Design. ChemPhysChem, 2017, 18, 549-563.	2.1	15
78	Formulation, printing, and poling method for piezoelectric films based on PVDF-TrFE. Journal of Applied Physics, 2020, 128, .	2.5	15
79	Evaluating photovoltaic performance indoors. , 2012, , .		14
80	Integrated VOC vapor sensing on FBAR-CMOS array. , 2012, , .		14
81	Clean Graphene Electrodes on Organic Thin-Film Devices via Orthogonal Fluorinated Chemistry. Nano Letters, 2015, 15, 2555-2561.	9.1	14
82	A macroscopic model for vertical graphene-organic semiconductor heterojunction field-effect transistors. Organic Electronics, 2016, 36, 45-49.	2.6	14
83	Localizing Seizure Activity in the Brain Using Implantable MicroLEDs with Quantum Dot Downconversion. Advanced Materials Technologies, 2018, 3, 1700366.	5.8	14
84	Photocurrent Study of Oxygen-Mediated Doping States in Pentacene Thin-Film Transistors. IEEE Transactions on Electron Devices, 2010, 57, 380-384.	3.0	13
85	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
86	Reticulated Organic Photovoltaics. Advanced Functional Materials, 2012, 22, 1167-1173.	14.9	13
87	Photocurrent measurements of pentacene-based devices. Applied Physics Reviews, 2015, 2, .	11.3	13
88	Length-Independent Charge Transport in Chimeric Molecular Wires. Angewandte Chemie - International Edition, 2016, 55, 14267-14271.	13.8	13
89	0.6V Threshold Voltage Thin Film Transistors With Solution Processable Indium Oxide (In ₂ O ₃) Channel and Anodized High- κ Al ₂ O ₃ Dielectric. IEEE Electron Device Letters, 2019, 40, 1112-1115.	3.9	13
90	Project-based learning within a large-scale interdisciplinary research effort. , 2013, , .		12

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91	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
92	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
93	Origin of open-circuit voltage reduction in high-mobility perovskite solar cells. Solar Energy, 2022, 236, 473-479.	6.1	12
94	Difluorinated 6,13-bis(triisopropylsilylethynyl)pentacene: Synthesis, Crystallinity, and Charge Transport Properties. ChemPhysChem, 2015, 16, 1251-1257.	2.1	11
95	Solution-Processable Superatomic Thin-Films. Journal of the American Chemical Society, 2019, 141, 10967-10971.	13.7	11
96	Resistance to Unwanted Photo-Oxidation of Multi-Acene Molecules. Journal of Organic Chemistry, 2020, 85, 12731-12739.	3.2	11
97	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
98	A Laboratory-Based Course in Display Technology. IEEE Transactions on Education, 2011, 54, 314-319.	2.4	10
99	Invited Paper: MicroLED 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
100	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
101	Asymmetric leakage in (Ba, Sr)TiO ₃ nanoparticle/parylene composite capacitors. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 35-38.	2.1	9
102	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
103	Accurate contact localization and indentation depth prediction with an optics-based tactile sensor. , 2017, , .		9
104	Permanent water swelling effect in low temperature thermally reduced graphene oxide. Applied Physics Letters, 2017, 110, .	3.3	9
105	Characterization of ESD protection devices under total ionizing dose irradiation. , 2017, , .		9
106	LED-Based Optical Device for Chronic In Vivo Cerebral Blood Volume Measurement. IEEE Transactions on Electron Devices, 2010, 57, 174-177.	3.0	8
107	A directly addressed monolithic LED array as a projection source. Journal of the Society for Information Display, 2010, 18, 808-812.	2.1	8
108	Polymer-Nanocrystal Nanocomposites: Device Concepts in Capacitors and Multiferroics. IEEE Nanotechnology Magazine, 2020, 19, 255-268.	2.0	8

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109	Nanostructured Electrodes Improve the Fill Factor of Organic Photovoltaics. IEEE Journal of Photovoltaics, 2014, 4, 1100-1106.	2.5	7
110	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
111	Process control of threshold voltage in organic FETs. , 0, , .		6
112	An Organic Imager for Flexible Large Area Electronics. Digest of Technical Papers - IEEE International Solid-State Circuits Conference, 2007, , .	0.0	6
113	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
114	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
115	Contact localization through spatially overlapping piezoresistive signals. , 2016, , .		6
116	Microscopy and microRaman study of periodically poled domains in deeply thinned lithium niobate wafers. Optical Materials, 2016, 57, 243-248.	3.6	6
117	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
118	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
119	A Reconfigurable Surface Acoustic Wave Filter on ZnO/AlGaIn/GaN Heterostructure. IEEE Transactions on Electron Devices, 2020, 67, 4507-4514.	3.0	6
120	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
121	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
122	Bimorph actuator with monolithically integrated CMOS OFET control. Organic Electronics, 2013, 14, 286-290.	2.6	5
123	More than meets the eye - A portable measurement unit for characterizing light energy availability. , 2013, , .		5
124	Sequential lateral solidification of silicon thin films on low-k dielectrics for low temperature integration. Applied Physics Letters, 2014, 105, .	3.3	5
125	Unexpected length dependence of excited-state charge transfer dynamics for surface-confined perylene diimide ensembles. Materials Horizons, 2017, 4, 437-441.	12.2	5
126	Inexpensive, Versatile, and Robust USB-Driven Sensor Platform. , 2017, 1, 1-4.		5

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127	Apparent Piezoâ€Photocurrent Modulation in Methylammonium Lead Iodide Perovskite Photodetectors. Advanced Electronic Materials, 2019, 5, 1900518.	5.1	5
128	Display meets biology: A vision for ubiquitous healthcare platforms. Journal of the Society for Information Display, 2019, 27, 181-191.	2.1	5
129	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
130	Correction to "High-performance bottom electrode organic thin-film transistors". IEEE Transactions on Electron Devices, 2001, 48, 1750-1750.	3.0	4
131	NEMS applications of graphene. , 2009, , .		4
132	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
133	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
134	Comparison of top- and bottom-contact pentacene field-effect transistors using photocurrent microscopy. , 2016, , .		4
135	An Optical Soil Sensor for NPK Nutrient Detection in Smart Cities. , 2022, , .		4
136	Novel cmp-based process for fabricating arrays of double-gated silicon field emitters. , 0, , .		3
137	An organic semiconductor based process for photodetecting applications. , 0, , .		3
138	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
139	Influence of electromigration on the maximum operating field of $(\text{Ba,Sr})\text{TiO}_3$ /parylene-C composite capacitors. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2013, 31, 060603.	1.2	3
140	An ultra thin implantable system for cerebral blood volume monitoring using flexible OLED and OPD. , 2015, , .		3
141	Radiation hardened graphene field effect transistors. , 2016, , .		3
142	CMOS integrated ZnO thin film bulk acoustic resonator with Si_3N_4 susceptor layer for improved IR sensitivity. , 2017, , .		3
143	Cross-linked polyvinyl phenol as dielectric for flexible bottom gate bottom contact transistors. , 2019, , .		3
144	A Tunable Surface Acoustic Wave Device on Zinc Oxide via acoustoelectric interaction with $\text{AlGaIn}/\text{GaIn}$ 2DEG. , 2019, , .		3

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145	57â€³: Characterizing Image Retention for HDR OLED Displays. Digest of Technical Papers SID International Symposium, 2020, 51, 850-853.	0.3	3
146	51â€³: Color Shifting in High Dynamic Range OLED Displays. Digest of Technical Papers SID International Symposium, 2021, 52, 706-709.	0.3	3
147	Biomassâ€³Derived Nanoporous Graphene Memory Cell. Advanced Materials Interfaces, 2022, 9, .	3.7	3
148	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
149	Organic solar cell-equipped energy harvesting active networked tag (EnHANT) prototypes. , 2011, , .		2
150	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
151	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
152	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
153	Low-power organic electronics based on gate-tunable injection barrier in vertical graphene-organic semiconductor heterostructures. , 2014, , .		2
154	Die-level processing for 3-D monolithic integration of piezoelectric MEMS on CMOS. , 2017, , .		2
155	A Highly Linear Non-Magnetic GaN Circulator Based on Spatio-Temporal Modulation with an IIP3 of 56 dBm. , 2020, , .		2
156	A laboratory course on information display technologies for remote learning. Journal of the Society for Information Display, 2021, 29, 852-858.	2.1	2
157	Bringing the Lab to the Field: Tracking Movement and Phenotyping Stress in Wild Rats. Biological Psychiatry, 2021, 89, S206.	1.3	2
158	Organic Field Emission Device Integrated With Organic Transistor. IEEE Transactions on Electron Devices, 2005, 52, 1907-1914.	3.0	1
159	Correction to â€œStudy of Local Mobility in Pentacene Field-Effect Transistors Using Spatially Resolved Photocurrent Measurementâ€³[Jul 10 761-763. IEEE Electron Device Letters, 2010, 31, 1164-1164.	3.9	1
160	Group IV Nanocrystals for Silicon Photovoltaics. Materials Research Society Symposia Proceedings, 2011, 1305, 1.	0.1	1
161	An adaptive testbed of energy harvesting active networked tags (EnHANTS) prototypes. , 2013, , .		1
162	Large scale temperature monitoring system for detection of potential ebola patient. , 2015, , .		1

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163	Triple-mode photovoltaic power management: Achieving high efficiency against harvesting and load variability. , 2016, , .		1
164	Lengthâ€independent Charge Transport in Chimeric Molecular Wires. Angewandte Chemie, 2016, 128, 14479-14483.	2.0	1
165	Sheet-based flexible technologies for mechanical sensing. , 2018, , .		1
166	44â€4: A Brief Survey of MicroLED Technologies. Digest of Technical Papers SID International Symposium, 2020, 51, 650-652.	0.3	1
167	Improved Cyclohexanone Vapor Detection via Gravimetric Sensing. Journal of Microelectromechanical Systems, 2020, 29, 1253-1263.	2.5	1
168	ESD Breakdown of Parylene OFETs With Varying Contact Overlap Capacitance. IEEE Transactions on Electron Devices, 2021, 68, 4630-4636.	3.0	1
169	Flexible electronic bands for the dynamic optical spectroscopic assessment of systemic lupus erythematosus in finger joints. , 2019, , .		1
170	Integrated Light Management as a Path to Miniaturizing Spectrometers. , 2017, , .		1
171	Near ultraviolet light emission in hexagonal boron nitride based van der Waals heterostructures. , 2019, , .		1
172	Organic TFT controlled organic field emitter. , 0, , .		0
173	Molecular Organic Electronic Circuits. IEEE/ACM International Conference on Computer-Aided Design, Digest of Technical Papers, 2006, , .	0.0	0
174	Semiconductor-dielectric interfacial study using spectral-spatial photocurrent probes and 1/f noise probe in organic field effect transistors. , 2009, , .		0
175	Inside Cover: Photovoltaic Universal Joints: Ball-and-Socket Interfaces in Molecular Photovoltaic Cells (ChemPhysChem 4/2010). ChemPhysChem, 2010, 11, 742-742.	2.1	0
176	Building interactive systems using unconventional electronics. , 2010, , .		0
177	An active matrix arrayed microphone with acoustic bandwidth response. , 2011, , .		0
178	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
179	EditorialBest of SID International Symposium. Journal of the Society for Information Display, 2012, 20, 597-597.	2.1	0
180	Amorphous silicon-graphene anodes for lithium ion batteries. , 2013, , .		0

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181	Low-cost photonic crystals for spectral sensors fabricated using projection lithography. , 2014, , .		0
182	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
183	A molybdenum disulfide piezoelectric strain gauge. , 2015, , .		0
184	Acoustoelectric amplification of surface acoustic waves on ZnO deposited on AlGaIn/GaN Epi. , 2017, , .		0
185	Tri-modal thin-film flexible electronic skin to augment robotic grasping. , 2018, , .		0
186	Polymer-Nanocrystal Nanocomposite Capacitors and Their Applications in Energy Storage. , 2018, , .		0
187	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
188	Laser assisted rapid fabrication of perovskite photodetector. , 2019, , .		0
189	Optics in Action: An Overview of the Advancements in Information Display Education. , 2021, , .		0
190	A LoRaWAN-Based Environmental Sensor System for Urban Tree Health Monitoring. , 2021, , .		0
191	An Implantable Umbo Microphone For Fully-Implantable Assistive Hearing Devices. , 2021, , .		0
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