

# Sui-Dong Wang

## List of Publications by Year in descending order

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137  
papers

5,653  
citations

70961

41  
h-index

88477

70  
g-index

137  
all docs

137  
docs citations

137  
times ranked

9008  
citing authors

#	ARTICLE	IF	CITATIONS
1	Human hair-derived carbon flakes for electrochemical supercapacitors. <i>Energy and Environmental Science</i> , 2014, 7, 379-386.	15.6	907
2	Synapse-Like Organic Thin Film Memristors. <i>Advanced Functional Materials</i> , 2018, 28, 1800854.	7.8	152
3	Freestanding transparent metallic network based ultrathin, foldable and designable supercapacitors. <i>Energy and Environmental Science</i> , 2017, 10, 2534-2543.	15.6	139
4	Contact-metal dependent current injection in pentacene thin-film transistors. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	137
5	Forming mechanism of nitrogen doped graphene prepared by thermal solid-state reaction of graphite oxide and urea. <i>Applied Surface Science</i> , 2011, 258, 1704-1710.	3.1	128
6	Direct Work Function Measurement by Gas Phase Photoelectron Spectroscopy and Its Application on PbS Nanoparticles. <i>Nano Letters</i> , 2013, 13, 6176-6182.	4.5	128
7	Highly Reproducible Surface-Enhanced Raman Scattering on a Capillarity-Assisted Gold Nanoparticle Assembly. <i>Advanced Functional Materials</i> , 2011, 21, 3337-3343.	7.8	126
8	Probing solid state N-doping in graphene by X-ray absorption near-edge structure spectroscopy. <i>Carbon</i> , 2012, 50, 335-338.	5.4	111
9	Eosin Y functionalized graphene for photocatalytic hydrogen production from water. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 8885-8893.	3.8	106
10	FTIR Spectroscopic Studies of the Stabilities and Reactivities of Hydrogen-Terminated Surfaces of Silicon Nanowires. <i>Inorganic Chemistry</i> , 2003, 42, 2398-2404.	1.9	105
11	Surface selective deposition of molecular semiconductors for solution-based integration of organic field-effect transistors. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	96
12	Controlled synthesis and synergistic effects of graphene-supported PdAu bimetallic nanoparticles with tunable catalytic properties. <i>Nanoscale</i> , 2015, 7, 6356-6362.	2.8	96
13	Correlation between grain size and device parameters in pentacene thin film transistors. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	93
14	High-Performance Photoelectrochemical Cells from Ionic Liquid Electrolyte in Methyl-Terminated Silicon Nanowire Arrays. <i>ACS Nano</i> , 2010, 4, 5869-5876.	7.3	93
15	Bias stress instability in pentacene thin film transistors: Contact resistance change and channel threshold voltage shift. <i>Applied Physics Letters</i> , 2008, 92, 063305.	1.5	90
16	Conducting polymer-inorganic nanocomposite-based gas sensors: a review. <i>Science and Technology of Advanced Materials</i> , 2020, 21, 768-786.	2.8	88
17	A cost-effective commercial soluble oxide cluster for highly efficient and stable organic solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1436-1442.	5.2	86
18	Transfer-Free Synthesis of Doped and Patterned Graphene Films. <i>ACS Nano</i> , 2015, 9, 594-601.	7.3	82

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19	High-performance, ultra-flexible and transparent embedded metallic mesh electrodes by selective electrodeposition for all-solid-state supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9032-9041.	5.2	79
20	Charge trapping induced current instability in pentacene thin film transistors: Trapping barrier and effect of surface treatment. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	78
21	Selective organization of solution-processed organic field-effect transistors. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	74
22	Bottom contact ambipolar organic thin film transistor and organic inverter based on C60/pentacene heterostructure. <i>Organic Electronics</i> , 2006, 7, 457-464.	1.4	70
23	Understanding contact behavior in organic thin film transistors. <i>Applied Physics Letters</i> , 2010, 97, 063307.	1.5	70
24	Embedded Ag Grid Electrodes as Current Collector for Ultraflexible Transparent Solid-State Supercapacitor. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 27649-27656.	4.0	66
25	High performance single In <sub>2</sub> Se <sub>3</sub> nanowire photodetector. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	64
26	One-Pot Environmentally Friendly Approach toward Highly Catalytically Active Bimetal-Nanoparticle-Graphene Hybrids. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 5072-5079.	4.0	64
27	Flexible Nanogenerators Based on Graphene Oxide Films for Acoustic Energy Harvesting. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5418-5422.	7.2	63
28	Electronic Structure of Graphdiyne Probed by X-ray Absorption Spectroscopy and Scanning Transmission X-ray Microscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 5931-5936.	1.5	62
29	Orderly Growth of Copper Phthalocyanine on Highly Oriented Pyrolytic Graphite (HOPG) at High Substrate Temperatures. <i>Journal of Physical Chemistry B</i> , 2004, 108, 1529-1532.	1.2	53
30	Self-Decoration of PtNi Alloy Nanoparticles on Multiwalled Carbon Nanotubes for Highly Efficient Methanol Electro-Oxidation. <i>Nano-Micro Letters</i> , 2016, 8, 371-380.	14.4	53
31	Novel bipolar host materials based on 1,3,5-triazine derivatives for highly efficient phosphorescent OLEDs with extremely low efficiency roll-off. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14255.	1.3	52
32	One-step synthesis of AuPd alloy nanoparticles on graphene as a stable catalyst for ethanol electro-oxidation. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 13476-13484.	3.8	51
33	Solution-Processed High-Performance Hybrid Photodetectors Enhanced by Perovskite/MoS <sub>2</sub> Bulk Heterojunction. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800505.	1.9	50
34	Silicon Nanowires with Permanent Electrostatic Charges for Nanogenerators. <i>Nano Letters</i> , 2011, 11, 4870-4873.	4.5	49
35	Morphology control of tunneling dielectric towards high-performance organic field-effect transistor nonvolatile memory. <i>Organic Electronics</i> , 2012, 13, 1908-1915.	1.4	47
36	Toward Broadband Imaging: Surface-Engineered PbS Quantum Dot/Perovskite Composite Integrated Ultrasensitive Photodetectors. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 44430-44437.	4.0	47

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37	Size-controllable self-assembly of metal nanoparticles on carbon nanostructures in room-temperature ionic liquids by simple sputtering deposition. <i>Carbon</i> , 2012, 50, 3008-3014.	5.4	45
38	Encapsulated Silver Nanoparticles Can Be Directly Converted to Silver Nanoshell in the Gas Phase. <i>Nano Letters</i> , 2015, 15, 8397-8401.	4.5	45
39	Synergistic Effects in CNTs-PdAu/Pt Trimetallic Nanoparticles with High Electrocatalytic Activity and Stability. <i>Nano-Micro Letters</i> , 2017, 9, 48.	14.4	45
40	Photon-energy-dependent light effects in organic nano-floating-gate nonvolatile memories. <i>Organic Electronics</i> , 2014, 15, 2486-2491.	1.4	43
41	Unraveling the Origin of Visible Light Capture by Core-Shell TiO <sub>2</sub> Nanotubes. <i>Chemistry of Materials</i> , 2016, 28, 4467-4475.	3.2	42
42	Small and uniform Pd monometallic/bimetallic nanoparticles decorated on multi-walled carbon nanotubes for efficient reduction of 4-nitrophenol. <i>Carbon</i> , 2015, 94, 295-300.	5.4	41
43	Organic field-effect transistor nonvolatile memories based on hybrid nano-floating-gate. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	39
44	Oxidation and reduction of size-selected subnanometer Pd clusters on Al <sub>2</sub> O <sub>3</sub> surface. <i>Journal of Chemical Physics</i> , 2013, 138, 214304.	1.2	37
45	Solution-Processed 2D Niobium Diselenide Nanosheets as Efficient Hole-Transport Layers in Organic Solar Cells. <i>ChemSusChem</i> , 2014, 7, 416-420.	3.6	37
46	Molecular Orientation and Film Morphology of Pentacene on Native Silicon Oxide Surface. <i>Journal of Physical Chemistry B</i> , 2005, 109, 9892-9896.	1.2	36
47	Transition-Voltage Method for Estimating Contact Resistance in Organic Thin-Film Transistors. <i>IEEE Electron Device Letters</i> , 2010, 31, 509-511.	2.2	35
48	Selective Solar-Blind UV Monitoring Based on Organic Field-Effect Transistor Nonvolatile Memories. <i>Advanced Electronic Materials</i> , 2017, 3, 1700052.	2.6	35
49	Experimental study of a chemical reaction between LiF and Al. <i>Journal of Applied Physics</i> , 2003, 94, 169-173.	1.1	34
50	Synthesis of carbon-PtAu nanoparticle hybrids originating from triethoxysilane-derivatized ionic liquids for methanol electrooxidation and the catalytic reduction of 4-nitrophenol. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9257.	5.2	34
51	Ultrasensitive ZnO Nanowire Photodetectors with a Polymer Electret Interlayer for Minimizing Dark Current. <i>Advanced Optical Materials</i> , 2020, 8, 1901289.	3.6	34
52	Naphthoylene(trifluoromethylbenzimidazole)-dicarboxylic acid imides for high-performance n-type organic field-effect transistors. <i>Chemical Communications</i> , 2012, 48, 2591.	2.2	33
53	Toward wearable electronics: A lightweight all-solid-state supercapacitor with outstanding transparency, foldability and breathability. <i>Energy Storage Materials</i> , 2019, 22, 402-409.	9.5	33
54	Selective UV-Gating Organic Memtransistors with Modulable Levels of Synaptic Plasticity. <i>Advanced Electronic Materials</i> , 2020, 6, 1900955.	2.6	33

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55	Low-temperature solution-processed alumina as gate dielectric for reducing the operating-voltage of organic field-effect transistors. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	31
56	Fabrication of a composite vascular scaffold using electrospinning technology. <i>Materials Science and Engineering C</i> , 2010, 30, 670-676.	3.8	30
57	Efficiency enhancement utilizing hybrid charge generation layer in tandem organic light-emitting diodes. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	30
58	Operational stability enhancement of low-voltage organic field-effect transistors based on bilayer polymer dielectrics. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	30
59	Low temperature, solution-processed alumina for organic solar cells. <i>Nanotechnology</i> , 2013, 24, 484010.	1.3	28
60	A near ambient pressure XPS study of subnanometer silver clusters on Al <sub>2</sub> O <sub>3</sub> and TiO <sub>2</sub> ultrathin film supports. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 26645-26652.	1.3	27
61	Green-chemistry Compatible Approach to TiO <sub>2</sub> -supported PdAu Bimetallic Nanoparticles for Solvent-free 1-Phenylethanol Oxidation under Mild Conditions. <i>Nano-Micro Letters</i> , 2015, 7, 307-315.	14.4	27
62	Amine-Assisted Delaminated 2D Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXenes for High Specific Capacitance in Neutral Aqueous Electrolytes. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 35878-35888.	4.0	26
63	ZnO nanowire optoelectronic synapse for neuromorphic computing. <i>Nanotechnology</i> , 2022, 33, 065205.	1.3	26
64	Etching Behavior of Silicon Nanowires with HF and NH <sub>4</sub> F and Surface Characterization by Attenuated Total Reflection Fourier Transform Infrared Spectroscopy: Similarities and Differences between One-Dimensional and Two-Dimensional Silicon Surfaces. <i>Journal of Physical Chemistry B</i> , 2005, 109, 10871-10879.	1.2	25
65	Origin of bias stress induced instability of contact resistance in organic thin film transistors. <i>Organic Electronics</i> , 2011, 12, 823-826.	1.4	25
66	Filter-Free Selective Light Monitoring by Organic Field-Effect Transistor Memories with a Tunable Blend Charge-Trapping Layer. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 40366-40371.	4.0	25
67	PPyNT-Im-PtAu Alloy Nanoparticle Hybrids with Tunable Electroactivity and Enhanced Durability for Methanol Electrooxidation and Oxygen Reduction Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 2752-2760.	4.0	23
68	Spatial profile of charge storage in organic field-effect transistor nonvolatile memory using polymer electret. <i>Applied Physics Letters</i> , 2013, 103, 143302.	1.5	22
69	Controllable molecular configuration for significant improvement of blue OLEDs based on novel twisted anthracene derivatives. <i>Dyes and Pigments</i> , 2015, 118, 137-144.	2.0	22
70	Vibrational and photoemission study of the interface between phenyl diamine and indium tin oxide. <i>Applied Physics Letters</i> , 2001, 79, 1561-1563.	1.5	21
71	Stability of Hydrogen-Terminated Surfaces of Silicon Nanowires in Aqueous Solutions. <i>Journal of Physical Chemistry C</i> , 2011, 115, 3866-3871.	1.5	21
72	Surface roughening evolution in pentacene thin film growth. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	21

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73	Interface optimization using diindenoperylene for C 60 thin film transistors with high electron mobility and stability. <i>Organic Electronics</i> , 2014, 15, 2749-2755.	1.4	21
74	Phototransistor based on single In <sub>2</sub> Se <sub>3</sub> nanosheets. <i>Nanoscale</i> , 2014, 6, 14538-14542.	2.8	21
75	Synergistic effect in organic field-effect transistor nonvolatile memory utilizing bimetal nanoparticles as nano-floating-gate. <i>Organic Electronics</i> , 2015, 25, 324-328.	1.4	21
76	Organic field-effect transistor nonvolatile memories utilizing sputtered C nanoparticles as nano-floating-gate. <i>Applied Physics Letters</i> , 2014, 105, 163302.	1.5	20
77	Memristive learning and memory functions in polyvinyl alcohol polymer memristors. <i>AIP Advances</i> , 2014, 4, .	0.6	20
78	Saturated deep-blue emitter based on a spiro[benzoanthracene-fluorene]-linked phenanthrene derivative for non-doped organic light-emitting diodes. <i>New Journal of Chemistry</i> , 2014, 38, 4696-4701.	1.4	20
79	Strong red emission of pure Y <sub>2</sub> O <sub>3</sub> nanoparticles from oxygen related defects. <i>Dalton Transactions</i> , 2011, 40, 11362.	1.6	19
80	Efficient tuning of electroluminescence from sky-blue to deep-blue by changing the constitution of spirobenzofluorene derivatives. <i>Dyes and Pigments</i> , 2014, 108, 57-63.	2.0	19
81	Contact resistance instability in pentacene thin film transistors induced by ambient gases. <i>Applied Physics Letters</i> , 2009, 94, 083309.	1.5	18
82	In-situ photoelectron spectroscopy with online activity measurement for catalysis research. <i>Current Applied Physics</i> , 2012, 12, 1292-1296.	1.1	18
83	Low-power organic field-effect transistors and complementary inverter based on low-temperature processed Al <sub>2</sub> O <sub>3</sub> dielectric. <i>Organic Electronics</i> , 2016, 34, 118-123.	1.4	18
84	Vibrational analysis of oxygen-plasma treated indium tin oxide. <i>Chemical Physics Letters</i> , 2003, 370, 795-798.	1.2	17
85	Understanding temperature dependence of threshold voltage in pentacene thin film transistors. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	17
86	Small-sized Al nanoparticles as electron injection hotspots in inverted organic light-emitting diodes. <i>Organic Electronics</i> , 2016, 28, 88-93.	1.4	17
87	Vibrational study of tris-(8-hydroxyquinoline) aluminum/LiF/Al interfaces. <i>Applied Physics Letters</i> , 2003, 82, 3218-3220.	1.5	16
88	In situ characterization of catalytic activity of graphene stabilized small-sized Pd nanoparticles for CO oxidation. <i>Applied Surface Science</i> , 2013, 283, 1076-1079.	3.1	16
89	Elucidation of ambient gas effects in organic nano-floating-gate nonvolatile memory. <i>Applied Physics Letters</i> , 2013, 102, 053303.	1.5	16
90	In situ study of the electronic structure of atomic layer deposited oxide ultrathin films upon oxygen adsorption using ambient pressure XPS. <i>Catalysis Science and Technology</i> , 2016, 6, 6778-6783.	2.1	16

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91	Controlled surface doping for operating stability enhancement in organic field-effect transistors. <i>Organic Electronics</i> , 2017, 42, 367-371.	1.4	16
92	Revealing the Synergy of Mono/Bimetallic PdPt/TiO <sub>2</sub> Heterostructure for Enhanced Photoresponse Performance. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24861-24870.	1.5	16
93	Enhanced electron injection into tris(8-hydroxyquinoline) aluminum (Alq <sub>3</sub> ) thin films by tetrathianaphthacene (TTN) doping revealed by current-voltage characteristics. <i>Chemical Physics Letters</i> , 2006, 423, 170-173.	1.2	15
94	Probing bias stress effect and contact resistance in bilayer ambipolar organic field-effect transistors. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	15
95	Bias-Stress-Stable Low-Voltage Organic Field-Effect Transistors with Ultrathin Polymer Dielectric on C Nanoparticles. <i>Advanced Electronic Materials</i> , 2016, 2, 1500349.	2.6	14
96	Solution-Processed Polymer Thin-Film Memristors with an Electrochromic Feature and Frequency-Dependent Synaptic Plasticity. <i>Advanced Intelligent Systems</i> , 2019, 1, 1900022.	3.3	14
97	Dynamic bias stress current instability caused by charge trapping and detrapping in pentacene thin film transistors. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	13
98	A facile solution-processed alumina film as an efficient electron-injection layer for inverted organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2014, 2, 864-869.	2.7	13
99	Direct probing of electron and hole trapping into nano-floating-gate in organic field-effect transistor nonvolatile memories. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	13
100	High Visible-Light-Stimulated Plasticity in Optoelectronic Synaptic Transistors for Irradiation History-Dependent Learning. <i>Advanced Electronic Materials</i> , 2020, 6, 1901255.	2.6	13
101	Space charge induced electroluminescence spectra shift in organic light-emitting diodes. <i>Journal of Applied Physics</i> , 2012, 112, 014513.	1.1	13
102	Physical implication of transition voltage in organic nano-floating-gate nonvolatile memories. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	12
103	Visible-blind UV monitoring with a photochromic charge trapping layer in organic field-effect transistors. <i>Applied Physics Letters</i> , 2019, 115, 113302.	1.5	11
104	A novel one-step synthesis method for cuprous nanoparticles on multi-walled carbon nanotubes with high catalytic activity. <i>Ceramics International</i> , 2016, 42, 17916-17919.	2.3	10
105	Charge accumulation dynamics in organic thin film transistors. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	9
106	Large Modulation of Charge Transport Anisotropy by Controlling the Alignment of $\pi$ - $\pi$ Stacks in Diketopyrrolopyrrole-Based Polymers. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500153.	1.9	9
107	Intrinsic Ge nanowire nonvolatile memory based on a simple core-shell structure. <i>Nanotechnology</i> , 2014, 25, 075201.	1.3	8
108	Ionic-liquid-assisted one-pot synthesis of Cu <sub>2</sub> O nanoparticles/multi-walled carbon nanotube nanocomposite for high-performance asymmetric supercapacitors. <i>RSC Advances</i> , 2018, 8, 20182-20189.	1.7	8

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109	Organic thin film memcapacitors. Applied Physics Letters, 2019, 114, .	1.5	8
110	Fingerprint Feature of Atomic Intermixing in Supported AuPd Nanocatalysts Probed by X-ray Absorption Fine Structure. Journal of Physical Chemistry C, 2017, 121, 28385-28394.	1.5	7
111	High-Performance Organic Field-Effect Transistor with Matching Energy-Band Alignment between Organic Semiconductor and the Charge-Trapping Dielectric. Advanced Electronic Materials, 2019, 5, 1800865.	2.6	7
112	Ultraviolet to Near-Infrared Broadband Phototransistors Based on Hybrid InGaZnO/C8-BTBT Heterojunction Structure. IEEE Electron Device Letters, 2021, 42, 998-1001.	2.2	7
113	Room temperature solution processed tungsten carbide as an efficient hole extraction layer for organic photovoltaics. Journal of Materials Chemistry A, 2014, 2, 3734-3740.	5.2	6
114	Flexible Low-Power Organic Complementary Inverter Based on Low- $\epsilon_r$ Polymer Dielectric. IEEE Electron Device Letters, 2017, 38, 1461-1464.	2.2	6
115	Egg-White-Based Polymer Memristors With Competing Electronic-Ionic Effect and Timescale-Dependent Current Modulation. IEEE Electron Device Letters, 2021, 42, 228-231.	2.2	6
116	Photoemission and vibrational studies of metal/organic interfaces modified by plasma-polymerized fluorocarbon films. Applied Surface Science, 2004, 239, 117-124.	3.1	5
117	Electronegativity equalization model for interface barrier formation at reactive metal/organic contacts. Applied Physics Letters, 2009, 95, 173303.	1.5	5
118	Heterojunction effect on contact resistance minimization in staggered pentacene thin-film transistors. Applied Physics Express, 2016, 9, 111601.	1.1	5
119	Polymer Thin Film Memtransistors Based on Ion-Carrier Exchange Heterojunction. IEEE Electron Device Letters, 2021, 42, 1528-1531.	2.2	5
120	UV-Enabled Multibit Organic Transistor Memory With High Controllability and Stability. IEEE Electron Device Letters, 2022, 43, 124-127.	2.2	5
121	Correlation between active layer thickness and ambient gas stability in IGZO thin-film transistors. Journal Physics D: Applied Physics, 2017, 50, 025102.	1.3	4
122	Carrier injection in organic electronics: Injection hotspot effect beyond barrier reduction effect. Applied Physics Letters, 2018, 113, 043302.	1.5	4
123	Diamond nanoparticles with more surface functional groups obtained using carbon nanotubes as sources. Journal of Applied Physics, 2011, 110, 054321.	1.1	3
124	Impact of compound doping on hole and electron balance in p-i-n organic light-emitting diodes. AIP Advances, 2013, 3, 102124.	0.6	3
125	Threshold Voltage Extraction in the Saturation Regime Insensitive to the Contact Properties for Organic Thin-Film Transistors. Journal of Display Technology, 2014, 10, 615-618.	1.3	3
126	Interface Engineering for High Photoresponse in PbS Quantum-Dot Short-Wavelength Infrared Photodiodes. IEEE Electron Device Letters, 2022, 43, 1275-1278.	2.2	3



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127	Pulsed Bias Stress in Pentacene Thin Film Transistors and Effect of Contact Material. Japanese Journal of Applied Physics, 2010, 49, 01AB03.	0.8	2
128	Enhanced carrier injection hotspot effect by direct and simple ITO surface engineering. Applied Physics Letters, 2021, 118, 223301.	1.5	2
129	Small-Area Perovskite Photodiodes With High Detectivity and Stability. IEEE Electron Device Letters, 2021, 42, 1200-1203.	2.2	2
130	Ferroelectric polymer thin-film memristors with asymmetric top electrodes. Applied Physics Express, 2021, 14, 044001.	1.1	2
131	HREELS study on the interaction of MgF <sub>2</sub> with tris(8-hydroxy-quinoline) aluminum. Chemical Physics Letters, 2003, 374, 119-124.	1.2	1
132	Current Characteristics of Pristine and Tetrathianaphthacene-Doped Tris(8-Hydroxyquinoline) Aluminum (ALQ <sub>3</sub> ) Thin Films. Molecular Crystals and Liquid Crystals, 2006, 455, 339-346.	0.4	1
133	Chemical Reaction between LiF and Al with or without the Presence of Alq <sub>3</sub> . Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2003, 19, 770-773.	2.2	1
134	Progress and outlook on electron injection in inverted organic light-emitting diodes. Chinese Science Bulletin, 2021, 66, 2105-2116.	0.4	1
135	Soft memtransistor with ion transfer interface. Flexible and Printed Electronics, 2022, 7, 014015.	1.5	1
136	THE KINK EFFECTS IN NANO-GaAs DEVICES DUE TO MULTI-VALLEY ELECTRON TRANSPORT. International Journal of Modern Physics B, 2013, 27, 1350172.	1.0	0
137	Sensors: Selective Solar-Blind UV Monitoring Based on Organic Field-Effect Transistor Nonvolatile Memories (Adv. Electron. Mater. 8/2017). Advanced Electronic Materials, 2017, 3, .	2.6	0