

Sui-Dong Wang

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132
papers

4,778
citations

36
h-index

64
g-index

137
ext. papers

5,223
ext. citations

6.1
avg, IF

5.54
L-index

#	Paper	IF	Citations
132	Human hair-derived carbon flakes for electrochemical supercapacitors. <i>Energy and Environmental Science</i> , 2014 , 7, 379-386	35.4	783
131	Contact-metal dependent current injection in pentacene thin-film transistors. <i>Applied Physics Letters</i> , 2007 , 91, 203508	3.4	125
130	Highly Reproducible Surface-Enhanced Raman Scattering on a Capillarity-Assisted Gold Nanoparticle Assembly. <i>Advanced Functional Materials</i> , 2011 , 21, 3337-3343	15.6	121
129	Synapse-Like Organic Thin Film Memristors. <i>Advanced Functional Materials</i> , 2018 , 28, 1800854	15.6	114
128	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	6.7	112
127	Direct work function measurement by gas phase photoelectron spectroscopy and its application on PbS nanoparticles. <i>Nano Letters</i> , 2013 , 13, 6176-82	11.5	108
126	Freestanding transparent metallic network based ultrathin, foldable and designable supercapacitors. <i>Energy and Environmental Science</i> , 2017 , 10, 2534-2543	35.4	107
125	Probing solid state N-doping in graphene by X-ray absorption near-edge structure spectroscopy. <i>Carbon</i> , 2012 , 50, 335-338	10.4	99
124	Eosin Y functionalized graphene for photocatalytic hydrogen production from water. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 8885-8893	6.7	98
123	FTIR spectroscopic studies of the stabilities and reactivities of hydrogen-terminated surfaces of silicon nanowires. <i>Inorganic Chemistry</i> , 2003 , 42, 2398-404	5.1	92
122	High-performance photoelectrochemical cells from ionic liquid electrolyte in methyl-terminated silicon nanowire arrays. <i>ACS Nano</i> , 2010 , 4, 5869-76	16.7	88
121	Correlation between grain size and device parameters in pentacene thin film transistors. <i>Applied Physics Letters</i> , 2008 , 93, 043311	3.4	87
120	Controlled synthesis and synergistic effects of graphene-supported PdAu bimetallic nanoparticles with tunable catalytic properties. <i>Nanoscale</i> , 2015 , 7, 6356-62	7.7	86
119	Surface selective deposition of molecular semiconductors for solution-based integration of organic field-effect transistors. <i>Applied Physics Letters</i> , 2009 , 94, 093307	3.4	86
118	Bias stress instability in pentacene thin film transistors: Contact resistance change and channel threshold voltage shift. <i>Applied Physics Letters</i> , 2008 , 92, 063305	3.4	81
117	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	13	72
116	Selective organization of solution-processed organic field-effect transistors. <i>Applied Physics Letters</i> , 2008 , 92, 173301	3.4	72

115	Charge trapping induced current instability in pentacene thin film transistors: Trapping barrier and effect of surface treatment. <i>Applied Physics Letters</i> , 2008 , 93, 033304	3.4	71
114	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	13	70
113	Transfer-free synthesis of doped and patterned graphene films. <i>ACS Nano</i> , 2015 , 9, 594-601	16.7	68
112	Understanding contact behavior in organic thin film transistors. <i>Applied Physics Letters</i> , 2010 , 97, 063307	3.4	68
111	Bottom contact ambipolar organic thin film transistor and organic inverter based on C60/pentacene heterostructure. <i>Organic Electronics</i> , 2006 , 7, 457-464	3.5	68
110	One-pot environmentally friendly approach toward highly catalytically active bimetal-nanoparticle-graphene hybrids. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 5072-9	9.5	59
109	Flexible nanogenerators based on graphene oxide films for acoustic energy harvesting. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 5418-22	16.4	58
108	Embedded Ag Grid Electrodes as Current Collector for Ultraflexible Transparent Solid-State Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 27649-27656	9.5	53
107	High performance single In ₂ Se ₃ nanowire photodetector. <i>Applied Physics Letters</i> , 2011 , 99, 243105	3.4	53
106	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	3.8	50
105	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	3.4	49
104	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, 14255-61	3.6	48
103	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	19.5	43
102	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	6.7	43
101	Morphology control of tunneling dielectric towards high-performance organic field-effect transistor nonvolatile memory. <i>Organic Electronics</i> , 2012 , 13, 1908-1915	3.5	43
100	Silicon nanowires with permanent electrostatic charges for nanogenerators. <i>Nano Letters</i> , 2011 , 11, 4870-4875	13.5	43
99	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	10.4	41
98	Unraveling the Origin of Visible Light Capture by Core-Shell TiO ₂ Nanotubes. <i>Chemistry of Materials</i> , 2016 , 28, 4467-4475	9.6	39

97	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	10.4	36
96	Encapsulated Silver Nanoparticles Can Be Directly Converted to Silver Nanoshell in the Gas Phase. <i>Nano Letters</i> , 2015 , 15, 8397-401	11.5	35
95	Solution-Processed High-Performance Hybrid Photodetectors Enhanced by Perovskite/MoS ₂ Bulk Heterojunction. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800505	4.6	35
94	Photon-energy-dependent light effects in organic nano-floating-gate nonvolatile memories. <i>Organic Electronics</i> , 2014 , 15, 2486-2491	3.5	35
93	Organic field-effect transistor nonvolatile memories based on hybrid nano-floating-gate. <i>Applied Physics Letters</i> , 2013 , 102, 023303	3.4	35
92	Oxidation and reduction of size-selected subnanometer Pd clusters on Al ₂ O ₃ surface. <i>Journal of Chemical Physics</i> , 2013 , 138, 214304	3.9	33
91	Molecular orientation and film morphology of pentacene on native silicon oxide surface. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 9892-6	3.4	32
90	Synthesis of carbon@Au 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	13	31
89	Synergistic Effects in CNTs-PdAu/Pt Trimetallic Nanoparticles with High Electrocatalytic Activity and Stability. <i>Nano-Micro Letters</i> , 2017 , 9, 48	19.5	31
88	Naphthoylene(trifluoromethylbenzimidazole)-dicarboxylic acid imides for high-performance n-type organic field-effect transistors. <i>Chemical Communications</i> , 2012 , 48, 2591-3	5.8	31
87	Conducting polymer-inorganic nanocomposite-based gas sensors: a review. <i>Science and Technology of Advanced Materials</i> , 2021 , 21, 768-786	7.1	31
86	Solution-processed 2D niobium diselenide nanosheets as efficient hole-transport layers in organic solar cells. <i>ChemSusChem</i> , 2014 , 7, 416-20	8.3	30
85	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, 061603	3.4	30
84	Experimental study of a chemical reaction between LiF and Al. <i>Journal of Applied Physics</i> , 2003 , 94, 169-173	2.3	29
83	Operational stability enhancement of low-voltage organic field-effect transistors based on bilayer polymer dielectrics. <i>Applied Physics Letters</i> , 2013 , 103, 133303	3.4	28
82	Transition-Voltage Method for Estimating Contact Resistance in Organic Thin-Film Transistors. <i>IEEE Electron Device Letters</i> , 2010 , 31, 509-511	4.4	28
81	Efficiency enhancement utilizing hybrid charge generation layer in tandem organic light-emitting diodes. <i>Applied Physics Letters</i> , 2012 , 101, 013301	3.4	28
80	Fabrication of a composite vascular scaffold using electrospinning technology. <i>Materials Science and Engineering C</i> , 2010 , 30, 670-676	8.3	28

79	Selective Solar-Blind UV Monitoring Based on Organic Field-Effect Transistor Nonvolatile Memories. <i>Advanced Electronic Materials</i> , 2017 , 3, 1700052	6.4	27
78	Toward Broadband Imaging: Surface-Engineered PbS Quantum Dot/Perovskite Composite Integrated Ultrasensitive Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 44430-44437	9.5	25
77	Low temperature, solution-processed alumina for organic solar cells. <i>Nanotechnology</i> , 2013 , 24, 484010	3.4	25
76	Toward wearable electronics: A lightweight all-solid-state supercapacitor with outstanding transparency, foldability and breathability. <i>Energy Storage Materials</i> , 2019 , 22, 402-409	19.4	25
75	Green-chemistry Compatible Approach to TiO-supported PdAu Bimetallic Nanoparticles for Solvent-free 1-Phenylethanol Oxidation under Mild Conditions. <i>Nano-Micro Letters</i> , 2015 , 7, 307-315	19.5	23
74	A near ambient pressure XPS study of subnanometer silver clusters on Al ₂ O ₃ and TiO ₂ ultrathin film supports. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 26645-52	3.6	22
73	Etching behavior of silicon nanowires with HF and NH ₄ 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, 10871-9	3.4	22
72	PPyNT-Im-PtAu alloy nanoparticle hybrids with tunable electroactivity and enhanced durability for methanol electrooxidation and oxygen reduction reaction. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 2752-60	9.5	21
71	Spatial profile of charge storage in organic field-effect transistor nonvolatile memory using polymer electret. <i>Applied Physics Letters</i> , 2013 , 103, 143302	3.4	21
70	Origin of bias stress induced instability of contact resistance in organic thin film transistors. <i>Organic Electronics</i> , 2011 , 12, 823-826	3.5	21
69	Vibrational and photoemission study of the interface between phenyl diamine and indium tin oxide. <i>Applied Physics Letters</i> , 2001 , 79, 1561-1563	3.4	21
68	Saturated deep-blue emitter based on a spiro[benzoanthracenefluorene]-linked phenanthrene derivative for non-doped organic light-emitting diodes. <i>New Journal of Chemistry</i> , 2014 , 38, 4696-4701	3.6	20
67	Interface optimization using diindenoperylene for C 60 thin film transistors with high electron mobility and stability. <i>Organic Electronics</i> , 2014 , 15, 2749-2755	3.5	20
66	Stability of Hydrogen-Terminated Surfaces of Silicon Nanowires in Aqueous Solutions. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 3866-3871	3.8	20
65	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	4.6	19
64	Organic field-effect transistor nonvolatile memories utilizing sputtered C nanoparticles as nano-floating-gate. <i>Applied Physics Letters</i> , 2014 , 105, 163302	3.4	19
63	Surface roughening evolution in pentacene thin film growth. <i>Applied Physics Letters</i> , 2011 , 98, 243304	3.4	19
62	Synergistic effect in organic field-effect transistor nonvolatile memory utilizing bimetal nanoparticles as nano-floating-gate. <i>Organic Electronics</i> , 2015 , 25, 324-328	3.5	18

61	Controllable molecular configuration for significant improvement of blue OLEDs based on novel twisted anthracene derivatives. <i>Dyes and Pigments</i> , 2015 , 118, 137-144	4.6	18
60	Filter-Free Selective Light Monitoring by Organic Field-Effect Transistor Memories with a Tunable Blend Charge-Trapping Layer. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 40366-40371	9.5	18
59	Memristive learning and memory functions in polyvinyl alcohol polymer memristors. <i>AIP Advances</i> , 2014 , 4, 077105	1.5	18
58	Selective UV-Gating Organic Memtransistors with Modulable Levels of Synaptic Plasticity. <i>Advanced Electronic Materials</i> , 2020 , 6, 1900955	6.4	18
57	In-situ photoelectron spectroscopy with online activity measurement for catalysis research. <i>Current Applied Physics</i> , 2012 , 12, 1292-1296	2.6	17
56	Contact resistance instability in pentacene thin film transistors induced by ambient gases. <i>Applied Physics Letters</i> , 2009 , 94, 083309	3.4	17
55	Vibrational analysis of oxygen-plasma treated indium tin oxide. <i>Chemical Physics Letters</i> , 2003 , 370, 795-798	2.9	17
54	Ultrasensitive ZnO Nanowire Photodetectors with a Polymer Electret Interlayer for Minimizing Dark Current. <i>Advanced Optical Materials</i> , 2020 , 8, 1901289	8.1	17
53	Small-sized Al nanoparticles as electron injection hotspots in inverted organic light-emitting diodes. <i>Organic Electronics</i> , 2016 , 28, 88-93	3.5	16
52	Phototransistor based on single InBe nanosheets. <i>Nanoscale</i> , 2014 , 6, 14538-42	7.7	16
51	Strong red emission of pure Y2O3 nanoparticles from oxygen related defects. <i>Dalton Transactions</i> , 2011 , 40, 11362-6	4.3	16
50	Elucidation of ambient gas effects in organic nano-floating-gate nonvolatile memory. <i>Applied Physics Letters</i> , 2013 , 102, 053303	3.4	15
49	Vibrational study of tris-(8-hydroxyquinoline) aluminum/LiF/Al interfaces. <i>Applied Physics Letters</i> , 2003 , 82, 3218-3220	3.4	15
48	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	6.7	14
47	Probing bias stress effect and contact resistance in bilayer ambipolar organic field-effect transistors. <i>Applied Physics Letters</i> , 2013 , 103, 073303	3.4	14
46	Enhanced electron injection into tris(8-hydroxyquinoline) aluminum (Alq3) thin films by tetrathianaphthacene (TTN) doping revealed by current-voltage characteristics. <i>Chemical Physics Letters</i> , 2006 , 423, 170-173	2.5	14
45	Low-power organic field-effect transistors and complementary inverter based on low-temperature processed Al2O3 dielectric. <i>Organic Electronics</i> , 2016 , 34, 118-123	3.5	13
44	Controlled surface doping for operating stability enhancement in organic field-effect transistors. <i>Organic Electronics</i> , 2017 , 42, 367-371	3.5	12

43	Revealing the Synergy of Mono/Bimetallic PdPt/TiO ₂ Heterostructure for Enhanced Photoresponse Performance. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 24861-24870	3.8	12
42	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	7.1	12
41	Understanding temperature dependence of threshold voltage in pentacene thin film transistors. <i>Journal of Applied Physics</i> , 2013 , 113, 194506	2.5	12
40	Dynamic bias stress current instability caused by charge trapping and detrapping in pentacene thin film transistors. <i>Applied Physics Letters</i> , 2008 , 93, 213302	3.4	12
39	Space charge induced electroluminescence spectra shift in organic light-emitting diodes. <i>Journal of Applied Physics</i> , 2012 , 112, 014513	2.5	12
38	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	5.5	11
37	Bias-Stress-Stable Low-Voltage Organic Field-Effect Transistors with Ultrathin Polymer Dielectric on C Nanoparticles. <i>Advanced Electronic Materials</i> , 2016 , 2, 1500349	6.4	11
36	Visible-blind UV monitoring with a photochromic charge trapping layer in organic field-effect transistors. <i>Applied Physics Letters</i> , 2019 , 115, 113302	3.4	10
35	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, 123303	3.4	10
34	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	5.1	10
33	High Visible-Light-Stimulated Plasticity in Optoelectronic Synaptic Transistors for Irradiation History-Dependent Learning. <i>Advanced Electronic Materials</i> , 2020 , 6, 1901255	6.4	9
32	Physical implication of transition voltage in organic nano-floating-gate nonvolatile memories. <i>Applied Physics Letters</i> , 2016 , 109, 023301	3.4	9
31	Large Modulation of Charge Transport Anisotropy by Controlling the Alignment of Stacks in Diketopyrrolopyrrole-Based Polymers. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500153	4.6	8
30	Charge accumulation dynamics in organic thin film transistors. <i>Applied Physics Letters</i> , 2010 , 97, 243301	3.4	8
29	High-Performance Organic Field-Effect Transistor with Matching Energy-Band Alignment between Organic Semiconductor and the Charge-Trapping Dielectric. <i>Advanced Electronic Materials</i> , 2019 , 5, 1800865	6.4	7
28	Intrinsic Ge nanowire nonvolatile memory based on a simple core-shell structure. <i>Nanotechnology</i> , 2014 , 25, 075201	3.4	7
27	Organic thin film memcapacitors. <i>Applied Physics Letters</i> , 2019 , 114, 043302	3.4	6
26	Fingerprint Feature of Atomic Intermixing in Supported AuPd Nanocatalysts Probed by X-ray Absorption Fine Structure. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 28385-28394	3.8	6

25	Ionic-liquid-assisted one-pot synthesis of CuO nanoparticles/multi-walled carbon nanotube nanocomposite for high-performance asymmetric supercapacitors.. <i>RSC Advances</i> , 2018 , 8, 20182-20189	3.7	6
24	Solution-Processed Polymer Thin-Film Memristors with an Electrochromic Feature and Frequency-Dependent Synaptic Plasticity. <i>Advanced Intelligent Systems</i> , 2019 , 1, 1900022	6	5
23	Room temperature solution processed tungsten carbide as an efficient hole extraction layer for organic photovoltaics. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 3734-3740	13	5
22	Flexible Low-Power Organic Complementary Inverter Based on Low- ϵ Polymer Dielectric. <i>IEEE Electron Device Letters</i> , 2017 , 38, 1461-1464	4.4	5
21	Photoemission and vibrational studies of metal/organic interfaces modified by plasma-polymerized fluorocarbon films. <i>Applied Surface Science</i> , 2004 , 239, 117-124	6.7	5
20	Carrier injection in organic electronics: Injection hotspot effect beyond barrier reduction effect. <i>Applied Physics Letters</i> , 2018 , 113, 043302	3.4	4
19	ZnO nanowire optoelectronic synapse for neuromorphic computing. <i>Nanotechnology</i> , 2021 , 33,	3.4	4
18	Heterojunction effect on contact resistance minimization in staggered pentacene thin-film transistors. <i>Applied Physics Express</i> , 2016 , 9, 111601	2.4	4
17	Correlation between active layer thickness and ambient gas stability in IGZO thin-film transistors. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 025102	3	3
16	Threshold Voltage Extraction in the Saturation Regime Insensitive to the Contact Properties for Organic Thin-Film Transistors. <i>Journal of Display Technology</i> , 2014 , 10, 615-618		3
15	Impact of compound doping on hole and electron balance in p-i-n organic light-emitting diodes. <i>AIP Advances</i> , 2013 , 3, 102124	1.5	3
14	Electronegativity equalization model for interface barrier formation at reactive metal/organic contacts. <i>Applied Physics Letters</i> , 2009 , 95, 173303	3.4	3
13	Diamond nanoparticles with more surface functional groups obtained using carbon nanotubes as sources. <i>Journal of Applied Physics</i> , 2011 , 110, 054321	2.5	3
12	Egg-White-Based Polymer Memristors With Competing Electronic-Ionic Effect and Timescale-Dependent Current Modulation. <i>IEEE Electron Device Letters</i> , 2021 , 42, 228-231	4.4	3
11	Polymer Thin Film Memtransistors Based on Ion-Carrier Exchange Heterojunction. <i>IEEE Electron Device Letters</i> , 2021 , 42, 1528-1531	4.4	3
10	Pulsed Bias Stress in Pentacene Thin Film Transistors and Effect of Contact Material. <i>Japanese Journal of Applied Physics</i> , 2010 , 49, 01AB03	1.4	2
9	Amine-Assisted Delaminated 2D TiCT MXenes for High Specific Capacitance in Neutral Aqueous Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 35878-35888	9.5	2
8	Current Characteristics of Pristine and Tetrathianaphthacene-Doped Tris(8-Hydroxyquinoline) Aluminum (ALQ3) Thin Films. <i>Molecular Crystals and Liquid Crystals</i> , 2006 , 455, 339-346	0.5	1

7	HREELS study on the interaction of MgF ₂ with tris(8-hydroxy-quinoline) aluminum. <i>Chemical Physics Letters</i> , 2003 , 374, 119-124	2.5	1
6	Small-Area Perovskite Photodiodes With High Detectivity and Stability. <i>IEEE Electron Device Letters</i> , 2021 , 42, 1200-1203	4.4	1
5	Ultraviolet to Near-Infrared Broadband Phototransistors Based on Hybrid InGaZnO/C8-BTBT Heterojunction Structure. <i>IEEE Electron Device Letters</i> , 2021 , 1-1	4.4	1
4	UV-Enabled Multibit Organic Transistor Memory With High Controllability and Stability. <i>IEEE Electron Device Letters</i> , 2022 , 43, 124-127	4.4	0
3	Enhanced carrier injection hotspot effect by direct and simple ITO surface engineering. <i>Applied Physics Letters</i> , 2021 , 118, 223301	3.4	0
2	THE KINK EFFECTS IN NANO-GaAs DEVICES DUE TO MULTI-VALLEY ELECTRON TRANSPORT. <i>International Journal of Modern Physics B</i> , 2013 , 27, 1350172	1.1	
1	Soft memtransistor with ion transfer interface. <i>Flexible and Printed Electronics</i> , 2022 , 7, 014015	3.1	