

Guifang Dong

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72
papers

2,400
citations

24
h-index

48
g-index

73
ext. papers

2,659
ext. citations

6.2
avg, IF

4.69
L-index

#	Paper	IF	Citations
72	Solution processable small molecules for organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6392		506
71	H ₂ O effect on the stability of organic thin-film field-effect transistors. <i>Applied Physics Letters</i> , 2003 , 83, 1644-1646	3.4	218
70	High-triplet-energy tri-carbazole derivatives as host materials for efficient solution-processed blue phosphorescent devices. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4918		114
69	CsPbI ₃ , All-Inorganic Two-Dimensional Ruddlesden-Popper Mixed Halide Perovskite with Optoelectronic Response. <i>Journal of the American Chemical Society</i> , 2018 , 140, 11085-11090	16.4	110
68	Towards High Efficiency and Low Roll-Off Orange Electrophosphorescent Devices by Fine Tuning Singlet and Triplet Energies of Bipolar Hosts Based on Indolocarbazole/1, 3, 5-Triazine Hybrids. <i>Advanced Functional Materials</i> , 2014 , 24, 3551-3561	15.6	106
67	High performance organic-inorganic perovskite-optocoupler based on low-voltage and fast response perovskite compound photodetector. <i>Scientific Reports</i> , 2015 , 5, 7902	4.9	91
66	A Pyridine-Containing Anthracene Derivative with High Electron and Hole Mobilities for Highly Efficient and Stable Fluorescent Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2011 , 21, 1881-1886	15.6	84
65	High performance low-voltage organic phototransistors: interface modification and the tuning of electrical, photosensitive and memory properties. <i>Journal of Materials Chemistry</i> , 2012 , 22, 11836		69
64	Novel star-shaped host materials for highly efficient solution-processed phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6131		68
63	Deep-blue electroluminescence from nondoped and doped organic light-emitting diodes (OLEDs) based on a new monoaza[6]helicene. <i>RSC Advances</i> , 2015 , 5, 75-84	3.7	65
62	Impacts of Sn precursors on solution-processed amorphous zinc tin oxide films and their transistors. <i>RSC Advances</i> , 2012 , 2, 5307	3.7	58
61	High-stability organic red-light photodetector for narrowband applications. <i>Laser and Photonics Reviews</i> , 2016 , 10, 473-480	8.3	55
60	Bright single-active layer small-molecular organic light-emitting diodes with a polytetrafluoroethylene barrier. <i>Applied Physics Letters</i> , 2003 , 82, 155-157	3.4	53
59	Flexible Organic Triboelectric Transistor for Pressure and Magnetic Sensing. <i>ACS Nano</i> , 2017 , 11, 11566-11573	15.7	50
58	Dependency of organic phototransistor properties on the dielectric layers. <i>Applied Physics Letters</i> , 2006 , 89, 072108	3.4	50
57	Flexible transparent triboelectric transistor for active modulation of conventional electronics. <i>Nano Energy</i> , 2017 , 31, 533-540	17.1	49
56	A Comparison Study of the Organic Small Molecular Thin Films Prepared by Solution Process and Vacuum Deposition: Roughness, Hydrophilicity, Absorption, Photoluminescence, Density, Mobility, and Electroluminescence. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 14278-14284	3.8	41

55	A new type of light-emitting naphtho[2,3-c][1,2,5]thiadiazole derivatives: synthesis, photophysical characterization and transporting properties. <i>Journal of Materials Chemistry</i> , 2008 , 18, 806		35
54	Fabrication of highly oriented large-scale TIPS pentacene crystals and transistors by the Marangoni effect-controlled growth method. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 6274-9	3.6	31
53	Narrowband Organic Photodiodes Based on Green Light Sensitive Squarylium. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 15333-15338	3.8	28
52	Squarylium and rubrene based filterless narrowband photodetectors for an all-organic two-channel visible light communication system. <i>Organic Electronics</i> , 2016 , 37, 346-351	3.5	27
51	Making silver a stronger n-dopant than cesium via in situ coordination reaction for organic electronics. <i>Nature Communications</i> , 2019 , 10, 866	17.4	27
50	Hysteresis mechanism in perovskite photovoltaic devices and its potential application for multi-bit memory devices. <i>Organic Electronics</i> , 2015 , 26, 208-212	3.5	24
49	White light emission from an exciplex based on a phosphine oxide type electron transport compound in a bilayer device structure. <i>RSC Advances</i> , 2013 , 3, 21453	3.7	24
48	High-Performance Organic Optocouplers Based on a Photosensitive Interfacial C60/NPB Heterojunction. <i>Advanced Materials</i> , 2009 , 21, 2501-2504	24	24
47	A self-powered and high-voltage-isolated organic optical communication system based on triboelectric nanogenerators and solar cells. <i>Nano Energy</i> , 2019 , 56, 391-399	17.1	24
46	Organic photocouplers consisting of organic light-emitting diodes and organic photoresistors. <i>Applied Physics Letters</i> , 2006 , 88, 051110	3.4	23
45	A flexible blue light sensitive organic photodiode with high properties for the applications in low-voltage-control circuit and flexion sensors. <i>Laser and Photonics Reviews</i> , 2014 , 8, 316-323	8.3	19
44	Improved photostability of organic thin film transistors with tantalum oxide/poly(4-vinylphenol) double gate insulators. <i>Applied Physics Letters</i> , 2007 , 90, 252110	3.4	19
43	Low-Temperature Evaporable Re2O7: An Efficient p-Dopant for OLEDs. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 13763-13769	3.8	17
42	Marangoni Effect-Controlled Growth of Oriented Film for High Performance C8-BTBT Transistors. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1801736	4.6	16
41	Organic cesium salt as an efficient electron injection material for organic light-emitting diodes. <i>Applied Physics Letters</i> , 2008 , 93, 183302	3.4	16
40	Enhanced mobility of solution-processed polycrystalline zinc tin oxide thin-film transistors via direct incorporation of water into precursor solution. <i>Applied Physics Letters</i> , 2014 , 105, 122105	3.4	15
39	Pentacene thin-film transistors with sol-gel derived amorphous Ba _{0.6} Sr _{0.4} TiO ₃ gate dielectric. <i>Microelectronic Engineering</i> , 2008 , 85, 414-418	2.5	15
38	Ambipolar Transporting 1,2-Benzanthracene Derivative with Efficient Green Excimer Emission for Single-Layer Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2013 , 1, 167-172	8.1	14

37	Phototransistor Properties of Pentacene Organic Transistors with Poly(methyl methacrylate) Dielectric Layer. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, L96-L98	1.4	14
36	Organic optocouplers. <i>Science China Chemistry</i> , 2011 , 54, 1017-1026	7.9	13
35	Poly(dithiazolfluorene- alt-selenadiazolobenzotriazole)-Based Blue-Light Photodetector and Its Application in Visible-Light Communication. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 16758-16764	8.5	12
34	Anisotropic Carrier Transport in CH ₃ NH ₃ PbI ₃ Single Crystal Field-Effect Transistor. <i>IEEE Electron Device Letters</i> , 2018 , 39, 1389-1392	4.4	12
33	Experimental and theoretical study of the charge transport property of 4,4'-N,N'-dicarbazole-biphenyl. <i>Science China Chemistry</i> , 2012 , 55, 2428-2432	7.9	11
32	The effect of oxygen content on the performance of low-voltage organic phototransistor memory. <i>Organic Electronics</i> , 2014 , 15, 1664-1671	3.5	10
31	Modulated intermolecular electrostatic interaction and morphology transition in squarylium dyes based organic field-effect transistors. <i>Organic Electronics</i> , 2011 , 12, 1674-1682	3.5	10
30	Nanocomposite Thin Film Based on Ytterbium Fluoride and N,N'-Bis(1-naphthyl)-N,N'-diphenyl-1,1'-biphenyl-4,4'-diamine and Its Application in Organic Light Emitting Diodes as Hole Transport Layer. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 11985-11990	3.8	10
29	Improved organic optocouplers based on a deep blue fluorescent OLED and an optimized bilayer heterojunction photosensor. <i>Sensors and Actuators B: Chemical</i> , 2013 , 188, 879-885	8.5	9
28	The understanding of the memory nature and mechanism of the Ta ₂ O ₅ -gate-dielectric-based organic phototransistor memory. <i>Organic Electronics</i> , 2012 , 13, 2917-2923	3.5	9
27	Dark current and photovoltage models on the formation of depletion region in C ₆₀ /NPB organic heterojunctions. <i>Organic Electronics</i> , 2012 , 13, 3276-3283	3.5	9
26	Study on the Electron Injection Mechanism of Thermally Decomposable Cs ₂ CO ₃ . <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 102302	1.4	9
25	Preparation and spectral characteristics of anthracene/tetracene mixed crystals. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 181-187		9
24	Full-solution-processed high mobility zinc-tin-oxide thin-film-transistors. <i>Science China Technological Sciences</i> , 2016 , 59, 1407-1412	3.5	9
23	Volatilize-controlled oriented growth of the single-crystal layer for organic field-effect transistors. <i>Langmuir</i> , 2014 , 30, 12082-8	4	7
22	New Method of Mobility Measurement for Organic Semiconductors by Optoelectronic Coupling. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 5235-5239	3.8	7
21	High-Performance Organic Optocouplers Based on an Organic Photodiode With High Blue Light Sensitivity. <i>IEEE Electron Device Letters</i> , 2013 , 34, 1295-1297	4.4	6
20	Predicting photocurrent tendency of organic photodiodes operating at external bias through optical field modeling. <i>Organic Electronics</i> , 2014 , 15, 3231-3236	3.5	5

19	Material Recognition Sensor Array by Electrostatic Induction and Triboelectric Effects. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000641	6.8	5
18	A multifunctional ionic iridium complex for field-effect and light-emitting devices. <i>RSC Advances</i> , 2014 , 4, 51294-51297	3.7	4
17	Co-Actions of Ambient Pressure and Gas Molecular Adsorption on the Carriers Transport in Polycrystalline Pentacene Thin-Film Transistors. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 58-63	3.8	4
16	Highly Integrable Organic Optocouplers on a Patterned Double-Side Indium Tin Oxide Substrate With High Isolation Voltage. <i>IEEE Electron Device Letters</i> , 2015 , 36, 171-173	4.4	3
15	Programmable and Erasable Pentacene/Ta ₂ O ₅ Phototransistor Memory With Improved Retention Time. <i>IEEE Electron Device Letters</i> , 2014 , 35, 741-743	4.4	3
14	Bipolar charge transport property of N,N'-dicarbazolyl-1,4-dimethene-benzene: A study of the short range order model. <i>Science Bulletin</i> , 2013 , 58, 79-83		3
13	Preparation and properties of solution-processed zinc tin oxide films from a new organic precursor. <i>Science China Chemistry</i> , 2011 , 54, 651-655	7.9	3
12	Synthesis and characterization of nano/micro-structured crystalline germanium dioxide with novel morphology. <i>Science Bulletin</i> , 2009 , 54, 2810-2813	10.6	3
11	Transparent organic light-emitting diodes based on Cs ₂ CO ₃ :Ag/Ag composite cathode. <i>Science Bulletin</i> , 2010 , 55, 1479-1482		3
10	Unsymmetric squaraine for narrow band green-selective organic photodetectors. <i>Organic Electronics</i> , 2021 , 92, 106122	3.5	3
9	Electrical bistable characteristics of poly(phenylene sulfide) thin film deposited by thermal evaporation. <i>Science Bulletin</i> , 2007 , 52, 732-735		2
8	New hybrid encapsulation for flexible organic light-emitting devices on plastic substrates. <i>Science Bulletin</i> , 2008 , 53, 958-960	10.6	2
7	Modification of Indium Tin Oxide Surface with HCl for Source/Drain Electrodes in Organic Thin Film Transistors. <i>Advanced Materials Technologies</i> , 2101487	6.8	2
6	A 1.9Mbps OFDM-based all-organic visible light communication system 2016 ,		2
5	High-performance organic/inorganic hybrid optocouplers based on organic light-emitting diodes and a-Si:H photodiodes. <i>Sensors and Actuators A: Physical</i> , 2015 , 236, 364-368	3.9	1
4	Preparation and characteristics of flexible all-organic thin-film field-effect transistor. <i>Science Bulletin</i> , 2003 , 48, 1554-1557		1
3	MAPbi Photodetectors with 4.7 MHz Bandwidth and Their Application in Organic Optocouplers.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 815-821	6.4	0
2	RESPONSE TIME MEASURING SYSTEM FOR ORGANIC ELECTROLUMINESCENT DEVICES. <i>Instrumentation Science and Technology</i> , 2001 , 29, 35-40	1.4	

- 1 [Ir(ppy)₂pyim]PF₆ dielectric mixed with PMMA for area emission transistors. *RSC Advances*, **2016**, 6, 94010-94013