

Yong-li Gao

List of Publications by Year in descending order

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445
papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Emission properties of sequentially deposited ultrathin CH ₃ NH ₃ PbI ₃ /MoS ₂ heterostructures. <i>Current Applied Physics</i> , 2022, 36, 27-33.	1.1	8
2	Accelerating CO ₂ Electroreduction to Multicarbon Products via Synergistic Electricâ€”Thermal Field on Copper Nanoneedles. <i>Journal of the American Chemical Society</i> , 2022, 144, 3039-3049.	6.6	147
3	Passivating the interface between halide perovskite and SnO ₂ by capsaicin to accelerate charge transfer and retard recombination. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	4
4	Ionic Liquidâ€”Tuned Crystallization for Stable and Efficient Perovskite Solar Cells. <i>Solar Rrl</i> , 2022, 6, .	3.1	10
5	Passivation effect of NTCDA nanofilm on black phosphorus. <i>Results in Physics</i> , 2022, 36, 105466.	2.0	0
6	Vacuum deposited film growth, morphology and interfacial electronic structures of 2,7-dioctyl[1]benzothieno[3,2-b]benzothiophene (C8-BTBT). <i>Journal of Central South University</i> , 2022, 29, 1041-1061.	1.2	0
7	Insertion Layer Energy Level Alignment and Engineering in Organic Light-Emitting Diodes. , 2022, , 201-254.		0
8	Improved moisture resistance and interfacial recombination of perovskite solar cells by doping oleylamine in spiro-OMeTAD based hole-transport layer. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	4
9	SnO ₂ modified mesoporous ZrO ₂ as efficient electron-transport layer for carbon-electrode based, low-temperature mesoscopic perovskite solar cells. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	6
10	Ion Migration Accelerated Reaction between Oxygen and Metal Halide Perovskites in Light and Its Suppression by Cesium Incorporation. <i>Advanced Energy Materials</i> , 2021, 11, 2002552.	10.2	64
11	Angular dependent magnetoresistance in organic spin valves. <i>Results in Physics</i> , 2021, 22, 103963.	2.0	5
12	Photoemission Studies on the Environmental Stability of Thermal Evaporated MAPbI ₃ Thin Films and MAPbBr ₃ Single Crystals. <i>Energies</i> , 2021, 14, 2005.	1.6	3
13	Creating a Dualâ€”Functional 2D Perovskite Layer at the Interface to Enhance the Performance of Flexible Perovskite Solar Cells. <i>Small</i> , 2021, 17, e2102368.	5.2	44
14	Interfacial modification for high performance photodetector based on perovskite. , 2021, , .		0
15	Simultaneous Improvement of the Power Conversion Efficiency and Stability of Perovskite Solar Cells by Doping PMMA Polymer in Spiroâ€”OMeTADâ€”Based Holeâ€”Transporting Layer. <i>Solar Rrl</i> , 2021, 5, 2100408.	3.1	14
16	Hybridization-Induced Inversion of Spin Polarization at Rubrene/Ferromagnetic Cobalt Interface. <i>Journal of Physical Chemistry C</i> , 2021, 125, 20697-20705.	1.5	1
17	Evaporation of Methylammonium Iodide in Thermal Deposition of MAPbI ₃ . <i>Nanomaterials</i> , 2021, 11, 2532.	1.9	6
18	Interfacial electronic structure at rubrene/NiFe heterostructure. <i>Results in Physics</i> , 2021, 29, 104692.	2.0	2

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19	Transport of charge carriers and optoelectronic applications of highly ordered metal phthalocyanine heterojunction thin films. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 9631-9642.	1.3	6
20	Modification of FA0.85MA0.15Pb(I0.85Br0.15)3 Films by NH2-POSS. <i>Crystals</i> , 2021, 11, 1544.	1.0	3
21	All-inorganic, hole-transporting-layer-free, carbon-based CsPbI ₂ Br ₂ planar solar cells with ZnO as electron-transporting materials. <i>Journal of Alloys and Compounds</i> , 2020, 817, 152768.	2.8	22
22	Energy Level Modulation in Diboron-Modified SnO ₂ for High-Efficiency Perovskite Solar Cells. <i>Solar Rrl</i> , 2020, 4, 1900217.	3.1	28
23	Photoemission studies of C8-BTBT/La0.67Sr0.33MnO ₃ interface. <i>Synthetic Metals</i> , 2020, 260, 116261.	2.1	9
24	Probing Phase Distribution in 2D Perovskites for Efficient Device Design. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 3127-3133.	4.0	39
25	Electronic structure and spin polarization of Co/black phosphorus interface. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 499, 166297.	1.0	5
26	Rubidium Doping to Enhance Carrier Transport in CsPbBr ₃ Single Crystals for High-Performance X-Ray Detection. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 989-996.	4.0	84
27	All-inorganic, hole-transporting-layer-free, carbon-based CsPbI ₂ Br ₂ planar perovskite solar cells by a two-step temperature-control annealing process. <i>Materials Science in Semiconductor Processing</i> , 2020, 108, 104870.	1.9	21
28	A Sub-10 nm Vertical Organic/Inorganic Hybrid Transistor for Pain-Perceptual and Sensitization-Regulated Nociceptor Emulation. <i>Advanced Materials</i> , 2020, 32, e1906171.	11.1	135
29	Effect of interfacial interaction on spin polarization at organic-cobalt interface. <i>Organic Electronics</i> , 2020, 78, 105567.	1.4	7
30	Angle-Resolved Photoemission Study on the Band Structure of Organic Single Crystals. <i>Crystals</i> , 2020, 10, 773.	1.0	5
31	Epitaxial growth of <010>-oriented MoO ₂ nanorods on m-sapphire. <i>Current Applied Physics</i> , 2020, 20, 1130-1135.	1.1	9
32	Interface electronic structure between aluminum and black phosphorus. <i>Results in Physics</i> , 2020, 18, 103222.	2.0	3
33	Evolutions of morphology and electronic properties of few-layered MoS ₂ exposed to UVO. <i>Results in Physics</i> , 2020, 19, 103634.	2.0	10
34	Rubidium Ions Enhanced Crystallinity for Ruddlesden-Popper Perovskites. <i>Advanced Science</i> , 2020, 7, 2002445.	5.6	25
35	Optoelectronic InGaZnO Memtransistors for Artificial Vision System. <i>Advanced Functional Materials</i> , 2020, 30, 2002325.	7.8	57
36	Effective passivation of black phosphorus against atmosphere by quasi-monolayer of F4TCNQ molecules. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	10

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37	Low-temperature fabrication of carbon-electrode based, hole-conductor-free and mesoscopic perovskite solar cells with power conversion efficiency > 12% and storage-stability > 220 days. Applied Physics Letters, 2020, 117, .	1.5	15
38	Modification of an ultrathin C ₆₀ interlayer on the electronic structure and molecular packing of C8-BTBT on HOPG. Physical Chemistry Chemical Physics, 2020, 22, 25264-25271.	1.3	4
39	Triphenylamine- <i>Polystyrene</i> Blends for Perovskite Solar Cells with Simultaneous Energy Loss Suppression and Stability Improvement. Solar Rrl, 2020, 4, 2000490.	3.1	6
40	Modification of C60 nano-interlayers on organic field-effect transistors based on 2,7-dioctyl[1]benzothieno-[3,2-b]benzothiophene (C8-BTBT)/SiO ₂ . Results in Physics, 2020, 19, 103590.	2.0	5
41	SiO ₂ nanoparticle-regulated crystallization of lead halide perovskite and improved efficiency of carbon-electrode-based low-temperature planar perovskite solar cells*. Chinese Physics B, 2020, 29, 078401.	0.7	6
42	Multi-gate-driven In-Ga-Zn-O memtransistors with a Sub-60 mV/decade subthreshold swing for neuromorphic and memlogic applications. Organic Electronics, 2020, 84, 105810.	1.4	13
43	Asymmetric Fermi velocity induced chiral magnetotransport anisotropy in the type-II Dirac semi-metal PtSe ₂ . Communications Physics, 2020, 3, .	2.0	8
44	Type-II Interface Band Alignment in the vdW PbI ₂ /MoSe ₂ Heterostructure. ACS Applied Materials & Interfaces, 2020, 12, 32099-32105.	4.0	20
45	Solution-processed ultra-flexible C8-BTBT organic thin-film transistors with the corrected mobility over 18Acm ² /(V s). Science Bulletin, 2020, 65, 791-795.	4.3	27
46	Interfacial Molecular Doping of Metal Halide Perovskites for Highly Efficient Solar Cells. Advanced Materials, 2020, 32, e2001581.	11.1	139
47	Light-induced degradation and self-healing inside CH ₃ NH ₃ PbI ₃ -based solar cells. Applied Physics Letters, 2020, 116, .	1.5	12
48	Tuning the alignment of pentacene on copper substrate by annealing-assistant surface functionalization*. Chinese Physics B, 2020, 29, 076801.	0.7	2
49	Reducing Surface Halide Deficiency for Efficient and Stable Iodide-Based Perovskite Solar Cells. Journal of the American Chemical Society, 2020, 142, 3989-3996.	6.6	236
50	Vapor Deposition of Perovskite Precursor PbI ₂ on Au and Graphite. MRS Advances, 2020, 5, 403-410.	0.5	0
51	Enormous enhancement in electrical performance of few-layered MoTe ₂ due to Schottky barrier reduction induced by ultraviolet ozone treatment. Nano Research, 2020, 13, 952-958.	5.8	25
52	Fully Doctor-bladed efficient perovskite solar cells in ambient condition via composition engineering. Organic Electronics, 2020, 83, 105736.	1.4	18
53	Vapor-deposited all inorganic CsPbBr ₃ thin films and interface modification with C8-BTBT for high performance photodetector. Results in Physics, 2020, 17, 103087.	2.0	21
54	Mimicking optoelectronic synaptic functions in solution-processed InGaZnO phototransistors. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	11

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55	Interfaces between MoO _x and MoX ₂ (X = S, Se, and Te)*. Chinese Physics B, 2020, 29, 116802.	0.7	7
56	Organic thin film morphology, electronic structure, and effect on optoelectronic device. , 2020, , .		0
57	Stabilizing halide perovskite surfaces for solar cell operation with wide-bandgap lead oxysalts. Science, 2019, 365, 473-478.	6.0	723
58	PbI ₂ /MoS ₂ Heterojunction: van der Waals Epitaxial Growth and Energy Band Alignment. Journal of Physical Chemistry Letters, 2019, 10, 4203-4208.	2.1	25
59	Breaking down and reconstruction of islands during the film growth of CuPc on HOPG. Applied Physics Letters, 2019, 114, .	1.5	9
60	CVD Grown MoS ₂ Nanoribbons on MoS ₂ Covered Sapphire(0001) Without Catalysts (Phys. Status Solidi RRL 7/2019). Physica Status Solidi - Rapid Research Letters, 2019, 13, 1970030.	1.2	1
61	Effects of CsPbBr ₃ nanocrystals concentration on electronic structure and surface composition of perovskite films. Organic Electronics, 2019, 73, 327-331.	1.4	22
62	High-performance Flexible Perovskite Solar Cells via Precise Control of Electron Transport Layer. Advanced Energy Materials, 2019, 9, 1901419.	10.2	167
63	Solar-stimulated optoelectronic synapse based on organic heterojunction with linearly potentiated synaptic weight for neuromorphic computing. Nano Energy, 2019, 66, 104095.	8.2	100
64	Hybrids of PtRu Nanoclusters and Black Phosphorus Nanosheets for Highly Efficient Alkaline Hydrogen Evolution Reaction. ACS Catalysis, 2019, 9, 10870-10875.	5.5	86
65	Deep-ultraviolet SnO ₂ nanowire phototransistors with an ultrahigh responsivity. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	12
66	2D electric-double-layer phototransistor for photoelectronic and spatiotemporal hybrid neuromorphic integration. Nanoscale, 2019, 11, 1360-1369.	2.8	195
67	High-performance solar-blind SnO ₂ nanowire photodetectors assembled using optical tweezers. Nanoscale, 2019, 11, 2162-2169.	2.8	49
68	Solar-blind SnO ₂ nanowire photo-synapses for associative learning and coincidence detection. Nano Energy, 2019, 62, 393-400.	8.2	100
69	A homogeneous p-n junction diode by selective doping of few layer MoSe ₂ using ultraviolet ozone for high-performance photovoltaic devices. Nanoscale, 2019, 11, 13469-13476.	2.8	41
70	Analysis of light-induced degradation in inverted perovskite solar cells under short-circuited conditions. Organic Electronics, 2019, 71, 123-130.	1.4	22
71	Hybrid optoelectronic synaptic functionality realized with ion gel-modulated In ₂ O ₃ phototransistors. Organic Electronics, 2019, 71, 72-78.	1.4	40
72	Cation and anion immobilization through chemical bonding enhancement with fluorides for stable halide perovskite solar cells. Nature Energy, 2019, 4, 408-415.	19.8	831

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73	CVD Grown MoS ₂ Nanoribbons on MoS ₂ Covered Sapphire(0001) Without Catalysts. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1900063.	1.2	26
74	Interface Energy-Level Alignment between Black Phosphorus and F ₁₆ CuPc Molecular Films. <i>Journal of Physical Chemistry C</i> , 2019, 123, 10443-10450.	1.5	12
75	Accelerated hole-extraction in carbon-electrode based planar perovskite solar cells by moisture-assisted post-annealing. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	42
76	Fully-printed, flexible cesium-doped triple cation perovskite photodetector. <i>Applied Materials Today</i> , 2019, 15, 389-397.	2.3	41
77	Stress-sign-tunable Poisson's ratio in monolayer blue phosphorus oxide. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 295702.	0.7	12
78	Electronic structure evolution at DBBA/Au(111) interface W/O Bismuth insertion layer. <i>Synthetic Metals</i> , 2019, 251, 24-29.	2.1	10
79	Low-temperature synthesis of all-inorganic perovskite nanocrystals for UV-photodetectors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5488-5496.	2.7	19
80	Highly Efficient Perovskite Solar Cells Processed Under Ambient Conditions Using In Situ Substrate-Heating-Assisted Deposition. <i>Solar Rrl</i> , 2019, 3, 1800318.	3.1	37
81	<i>In situ</i> surface modification of TiO ₂ by CaTiO ₃ to improve the UV stability and power conversion efficiency of perovskite solar cells. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	25
82	Structural and electronic properties of atomically thin Bismuth on Au(111). <i>Surface Science</i> , 2019, 679, 147-153.	0.8	29
83	Interfacial electronic structures of MoOx/mixed perovskite photodetector. <i>Organic Electronics</i> , 2019, 65, 162-169.	1.4	30
84	Cobalt hydroxide-black phosphorus nanosheets: A superior electrocatalyst for electrochemical oxygen evolution. <i>Electrochimica Acta</i> , 2019, 297, 40-45.	2.6	27
85	Large-scale roll-to-roll printed, flexible and stable organic bulk heterojunction photodetector. <i>Npj Flexible Electronics</i> , 2018, 2, .	5.1	54
86	Efficient, stable and flexible perovskite solar cells using two-step solution-processed SnO ₂ layers as electron-transport-material. <i>Organic Electronics</i> , 2018, 58, 126-132.	1.4	31
87	Efficient and stable hole-conductor-free mesoscopic perovskite solar cells using SiO ₂ as blocking layer. <i>Organic Electronics</i> , 2018, 58, 69-74.	1.4	22
88	Efficient and stable planar heterojunction perovskite solar cells fabricated under ambient conditions with high humidity. <i>Organic Electronics</i> , 2018, 55, 140-145.	1.4	39
89	Low-Temperature Processed, Efficient, and Highly Reproducible Cesium-Doped Triple Cation Perovskite Planar Heterojunction Solar Cells. <i>Solar Rrl</i> , 2018, 2, 1700209.	3.1	113
90	Environmental Surface Stability of the MAPbBr ₃ Single Crystal. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3513-3522.	1.5	66

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91	Argon Plasma Treatment to Tune Perovskite Surface Composition for High Efficiency Solar Cells and Fast Photodetectors. <i>Advanced Materials</i> , 2018, 30, 1705176.	11.1	81
92	Epitaxial Growth of Highly Oriented Metallic MoO ₂ @MoS ₂ Nanorods on C-sapphire. <i>Journal of Physical Chemistry C</i> , 2018, 122, 1860-1866.	1.5	33
93	Enhancing the performance of planar heterojunction perovskite solar cells using stable semiquinone and amine radical modified hole transport layer. <i>Journal of Power Sources</i> , 2018, 390, 134-141.	4.0	25
94	Fast-response and high-responsivity FA MA(1 \hat{a})PbI ₃ photodetectors fabricated via doctor-blading deposition in ambient condition. <i>Organic Electronics</i> , 2018, 52, 190-194.	1.4	23
95	Energy level and thickness control on PEDOT:PSS layer for efficient planar heterojunction perovskite cells. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 025110.	1.3	15
96	Efficient and stable planar hole-transport-material-free perovskite solar cells using low temperature processed SnO ₂ as electron transport material. <i>Organic Electronics</i> , 2018, 53, 235-241.	1.4	66
97	Congeneric Incorporation of CsPbBr ₃ Nanocrystals in a Hybrid Perovskite Heterojunction for Photovoltaic Efficiency Enhancement. <i>ACS Energy Letters</i> , 2018, 3, 30-38.	8.8	106
98	Manipulating three-dimensional bending to extraordinarily stiffen two-dimensional membranes by interference colors. <i>Nanoscale</i> , 2018, 10, 21782-21789.	2.8	6
99	Intrinsic Behavior of CH ₃ NH ₃ PbBr ₃ Single Crystals under Light Illumination. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801206.	1.9	18
100	Deep-ultraviolet-triggered neuromorphic functions in In-Zn-O phototransistors. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	84
101	Initial photochemical stability in perovskite solar cells based on the Cu electrode and the appropriate charge transport layers. <i>Synthetic Metals</i> , 2018, 246, 101-107.	2.1	18
102	Highly Efficient, Solution-Processed CsPbI ₂ Br Planar Heterojunction Perovskite Solar Cells via Flash Annealing. <i>ACS Photonics</i> , 2018, 5, 4104-4110.	3.2	64
103	Dependence of power conversion properties of perovskite solar cells on operating temperature. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	23
104	Interfacial Electronic Structures of Photodetectors Based on C ₈ BTBT/Perovskite. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 20959-20967.	4.0	13
105	Seesaw-like polarized transmission behavior of silver nanowire arrays aligned by off-center spin-coating. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	15
106	Stability of Perovskites at the Surface Analytic Level. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4657-4666.	2.1	17
107	Abnormal nonlinear optical properties of hybrid graphene-TiO ₂ nanostructures. <i>Optics Letters</i> , 2018, 43, 523.	1.7	28
108	From MoO ₂ @MoS ₂ Core-Shell Nanorods to MoS ₂ Nanobelts. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1800254.	0.7	23

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109	Coplanar Multigate MoS ₂ Electric-Double-Layer Transistors for Neuromorphic Visual Recognition. ACS Applied Materials & Interfaces, 2018, 10, 25943-25948.	4.0	99
110	Dependence of power conversion properties of hole-conductor-free mesoscopic perovskite solar cells on the loading of perovskite crystallites. Organic Electronics, 2018, 61, 119-124.	1.4	36
111	Interface Electronic Structure between Au and Black Phosphorus. Journal of Physical Chemistry C, 2018, 122, 18405-18411.	1.5	7
112	Flexible Neuromorphic Architectures Based on Self-Supported Multiterminal Organic Transistors. ACS Applied Materials & Interfaces, 2018, 10, 26443-26450.	4.0	99
113	Accelerated electron extraction and improved UV stability of TiO ₂ based perovskite solar cells by SnO ₂ based surface passivation. Organic Electronics, 2018, 59, 184-189.	1.4	45
114	Energy Level Evolution and Oxygen Exposure of Fullerene/Black Phosphorus Interface. Journal of Physical Chemistry Letters, 2018, 9, 5254-5261.	2.1	13
115	Dependence of power conversion properties of the hole-conductor-free mesoscopic perovskite solar cells on the thickness of carbon film. Organic Electronics, 2018, 62, 298-303.	1.4	23
116	Electronic Structures and Nanofilm Growth of 2,7-Dioctyl[1]Benzothieno[3,2-b]Benzothiophene on Black Phosphorus. Journal of Nanoscience and Nanotechnology, 2018, 18, 4332-4336.	0.9	2
117	Flexible and air-stable perovskite network photodetectors based on CH ₃ NH ₃ PbI ₃ /C8BTBT bulk heterojunction. Applied Physics Letters, 2018, 112, .	1.5	84
118	Ultraviolet saturable absorption and ultrafast carrier dynamics in ultrasmall black phosphorus quantum dots. Nanoscale, 2017, 9, 4683-4690.	2.8	98
119	Valence band dispersion measurements of perovskite single crystals using angle-resolved photoemission spectroscopy. Physical Chemistry Chemical Physics, 2017, 19, 5361-5365.	1.3	32
120	Interfacial chemical and electronic structure of cobalt deposition on 2,7-dioctyl[1]benzothieno[3,2-b]benzothiophene (C8-BTBT). Applied Surface Science, 2017, 402, 142-146.	3.1	6
121	Half-metallicity and spin-polarization transport properties in transition-metal atoms single-edge-terminated zigzag 1±-graphyne nanoribbons. Organic Electronics, 2017, 44, 168-175.	1.4	46
122	Stable monolithic hole-conductor-free perovskite solar cells using TiO ₂ nanoparticle binding carbon films. Organic Electronics, 2017, 45, 131-138.	1.4	49
123	Air-Induced High-Quality CH ₃ NH ₃ PbI ₃ Thin Film for Efficient Planar Heterojunction Perovskite Solar Cells. Journal of Physical Chemistry C, 2017, 121, 6575-6580.	1.5	47
124	Light-Induced Degradation of CH ₃ NH ₃ PbI ₃ Hybrid Perovskite Thin Film. Journal of Physical Chemistry C, 2017, 121, 3904-3910.	1.5	265
125	Organic Phototransistors: High-Performance Organic Heterojunction Phototransistors Based on Highly Ordered Copper Phthalocyanine/para-5exiphenyl Thin Films (Adv. Funct. Mater. 6/2017). Advanced Functional Materials, 2017, 27, .	7.8	1
126	Chiral Self-Assembly of Nonplanar 10,10-Dibromo-9,9-bianthryl Molecules on Ag(111). Langmuir, 2017, 33, 2993-2999.	1.6	15

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127	Spatially-correlated neuron transistors with ion-gel gating for brain-inspired applications. <i>Organic Electronics</i> , 2017, 44, 25-31.	1.4	38
128	Multi-gate organic neuron transistors for spatiotemporal information processing. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	117
129	Orientation-specific transgranular fracture behavior of CVD-grown monolayer MoS ₂ single crystal. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	21
130	Long-term synaptic plasticity simulated in ionic liquid/polymer hybrid electrolyte gated organic transistors. <i>Organic Electronics</i> , 2017, 47, 126-132.	1.4	70
131	High-performance formamidinium-based perovskite photodetectors fabricated via doctor-blading deposition in ambient condition. <i>Organic Electronics</i> , 2017, 47, 102-107.	1.4	34
132	Fullerene (C ₆₀) interlayer modification on the electronic structure and the film growth of 2,7-dioctyl[1]benzothieno-[3,2-b]benzothiophene on SiO ₂ . <i>Synthetic Metals</i> , 2017, 229, 1-6.	2.1	14
133	High-performance Broadband Perovskite Photodetectors Based on CH ₃ NH ₃ PbI ₃ /C ₈ BTBT Heterojunction. <i>Advanced Electronic Materials</i> , 2017, 3, 1700058.	2.6	101
134	Interface electronic structure and morphology of 2,7-dioctyl[1]benzothieno[3,2-b]benzothiophene (C ₈ -BTBT) on Au film. <i>Applied Surface Science</i> , 2017, 416, 696-703.	3.1	17
135	2D MoS ₂ Neuromorphic Devices for Brain-like Computational Systems. <i>Small</i> , 2017, 13, 1700933.	5.2	268
136	Improving power conversion efficiency of perovskite solar cells by cooperative LSPR of gold-silver dual nanoparticles. <i>Chinese Physics B</i> , 2017, 26, 058401.	0.7	15
137	Degradation behavior of planar heterojunction CH ₃ NH ₃ PbI ₃ perovskite solar cells. <i>Synthetic Metals</i> , 2017, 227, 43-51.	2.1	31
138	Efficient planar heterojunction perovskite solar cells fabricated by in-situ thermal-annealing doctor blading in ambient condition. <i>Organic Electronics</i> , 2017, 45, 302-307.	1.4	90
139	High-performance Organic Heterojunction Phototransistors Based on Highly Ordered Copper Phthalocyanine/sexiphenyl Thin Films. <i>Advanced Functional Materials</i> , 2017, 27, 1604933.	7.8	64
140	The correlations of the electronic structure and film growth of 2,7-dioctyl[1]benzothieno[3,2-b]benzothiophene (C ₈ -BTBT) on SiO ₂ . <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 1669-1676.	1.3	34
141	Semiconductor quantum dot-sensitized rainbow photocathode for effective photoelectrochemical hydrogen generation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11297-11302.	3.3	53
142	Irreversible light-soaking effect of perovskite solar cells caused by light-induced oxygen vacancies in titanium oxide. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	56
143	Effects of monolayer Bi on the self-assembly of DBBA on Au(111). <i>Surface Science</i> , 2017, 665, 89-95.	0.8	30
144	Spin-dependent transport characteristics of nanostructures based on armchair arsenene nanoribbons. <i>Chinese Physics B</i> , 2017, 26, 098509.	0.7	8

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145	Multilevel Nonvolatile Organic Photomemory Based on Vanadyl-Phthalocyanine/ <i>para</i> -Sexiphenyl Heterojunctions. ACS Photonics, 2017, 4, 2573-2579.	3.2	68
146	High electrical conductivity of individual epitaxially grown MoO ₂ nanorods. Applied Physics Letters, 2017, 111, .	1.5	46
147	Charge Transfer at the PTCDA/Black Phosphorus Interface. Journal of Physical Chemistry C, 2017, 121, 18084-18094.	1.5	46
148	Electronic structures at the interface between CuPc and black phosphorus. Journal of Chemical Physics, 2017, 147, 064702.	1.2	12
149	Large-area and high-performance CH ₃ NH ₃ PbI ₃ perovskite photodetectors fabricated via doctor blading in ambient condition. Organic Electronics, 2017, 49, 347-354.	1.4	70
150	Substrate induced anomalous electrostatic and photoluminescence properties of monolayer MoS ₂ edges. Solid State Communications, 2017, 249, 1-6.	0.9	9
151	Chemical vapor deposition growth and characterization of drop-like MoS ₂ /MoO ₂ granular films. Physica Status Solidi (B): Basic Research, 2017, 254, 1600245.	0.7	16
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