

Yong-li Gao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

429
papers

19,161
citations

69
h-index

121
g-index

449
ext. papers

21,347
ext. citations

5
avg, IF

6.82
L-index

#	Paper	IF	Citations
429	Emission properties of sequentially deposited ultrathin CH ₃ NH ₃ PbI ₃ /MoS ₂ heterostructures. <i>Current Applied Physics</i> , 2022 , 36, 27-33	2.6	1
428	Accelerating CO Electroreduction to Multicarbon Products via Synergistic Electric-Thermal Field on Copper Nanoneedles.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	25
427	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, 103503	3.4	1
426	Passivation effect of NTCDA nanofilm on black phosphorus. <i>Results in Physics</i> , 2022 , 36, 105466	3.7	
425	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	2.1	
424	Insertion Layer Energy Level Alignment and Engineering in Organic Light-Emitting Diodes 2022 , 201-254		
423	Angular dependent magnetoresistance in organic spin valves. <i>Results in Physics</i> , 2021 , 22, 103963	3.7	2
422	Photoemission Studies on the Environmental Stability of Thermal Evaporated MAPbI ₃ Thin Films and MAPbBr ₃ Single Crystals. <i>Energies</i> , 2021 , 14, 2005	3.1	0
421	Creating a Dual-Functional 2D Perovskite Layer at the Interface to Enhance the Performance of Flexible Perovskite Solar Cells. <i>Small</i> , 2021 , 17, e2102368	11	12
420	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	21.8	26
419	Simultaneous Improvement of the Power Conversion Efficiency and Stability of Perovskite Solar Cells by Doping PMMA Polymer in Spiro-OMeTAD-Based Hole-Transporting Layer. <i>Solar Rrl</i> , 2021 , 5, 2100408	7.1	6
418	Hybridization-Induced Inversion of Spin Polarization at Rubrene/Ferromagnetic Cobalt Interface. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 20697-20705	3.8	1
417	Evaporation of Methylammonium Iodide in Thermal Deposition of MAPbI. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
416	Interfacial electronic structure at rubrene/NiFe heterostructure. <i>Results in Physics</i> , 2021 , 29, 104692	3.7	2
415	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	3.6	1
414	Modification of FA _{0.85} MA _{0.15} Pb(I _{0.85} Br _{0.15}) ₃ Films by NH ₂ -POSS. <i>Crystals</i> , 2021 , 11, 1544	2.3	1
413	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 . <i>Results in Physics</i> , 2020 , 19, 103590	3.7	4

4 ¹²	SiO ₂ nanoparticle-regulated crystallization of lead halide perovskite and improved efficiency of carbon-electrode-based low-temperature planar perovskite solar cells. <i>Chinese Physics B</i> , 2020 , 29, 078401	1.2	1
4 ¹¹	Multi-gate-driven In-Ga-Zn-O memtransistors with a Sub-60 mV/decade subthreshold swing for neuromorphic and memlogic applications. <i>Organic Electronics</i> , 2020 , 84, 105810	3.5	4
4 ¹⁰	Asymmetric Fermi velocity induced chiral magnetotransport anisotropy in the type-II Dirac semi-metal PtSe ₂ . <i>Communications Physics</i> , 2020 , 3,	5.4	4
4 ⁰⁹	Type-II Interface Band Alignment in the vdW Pbl-MoSe Heterostructure. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 32099-32105	9.5	8
4 ⁰⁸	Solution-processed ultra-flexible C8-BTBT organic thin-film transistors with the corrected mobility over 18 cm ² /(V s). <i>Science Bulletin</i> , 2020 , 65, 791-795	10.6	11
4 ⁰⁷	Interfacial Molecular Doping of Metal Halide Perovskites for Highly Efficient Solar Cells. <i>Advanced Materials</i> , 2020 , 32, e2001581	24	77
4 ⁰⁶	Light-induced degradation and self-healing inside CH ₃ NH ₃ PbI ₃ -based solar cells. <i>Applied Physics Letters</i> , 2020 , 116, 253303	3.4	6
4 ⁰⁵	Tuning the alignment of pentacene on copper substrate by annealing-assistant surface functionalization. <i>Chinese Physics B</i> , 2020 , 29, 076801	1.2	0
4 ⁰⁴	Reducing Surface Halide Deficiency for Efficient and Stable Iodide-Based Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2020 , 142, 3989-3996	16.4	133
4 ⁰³	Vapor Deposition of Perovskite Precursor Pbl ₂ on Au and Graphite. <i>MRS Advances</i> , 2020 , 5, 403-410	0.7	
4 ⁰²	Enormous enhancement in electrical performance of few-layered MoTe ₂ due to Schottky barrier reduction induced by ultraviolet ozone treatment. <i>Nano Research</i> , 2020 , 13, 952-958	10	13
4 ⁰¹	Fully Doctor-bladed efficient perovskite solar cells in ambient condition via composition engineering. <i>Organic Electronics</i> , 2020 , 83, 105736	3.5	9
4 ⁰⁰	Vapor-deposited all inorganic CsPbBr ₃ thin films and interface modification with C8-BTBT for high performance photodetector. <i>Results in Physics</i> , 2020 , 17, 103087	3.7	14
399	Mimicking optoelectronic synaptic functions in solution-processed InGaZnO phototransistors. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	3
398	Interfaces between MoO _x and MoX ₂ (X = S, Se, and Te). <i>Chinese Physics B</i> , 2020 , 29, 116802	1.2	4
397	Photoemission studies of C8-BTBT/La _{0.67} Sr _{0.33} MnO ₃ interface. <i>Synthetic Metals</i> , 2020 , 260, 116261	3.6	6
396	Probing Phase Distribution in 2D Perovskites for Efficient Device Design. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 3127-3133	9.5	21
395	Electronic structure and spin polarization of Co/black phosphorus interface. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 499, 166297	2.8	2

394	Rubidium Doping to Enhance Carrier Transport in CsPbBr Single Crystals for High-Performance X-Ray Detection. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 989-996	9.5	47
393	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	4.3	16
392	A Sub-10 nm Vertical Organic/Inorganic Hybrid Transistor for Pain-Perceptual and Sensitization-Regulated Nociceptor Emulation. <i>Advanced Materials</i> , 2020 , 32, e1906171	24	74
391	Effect of interfacial interaction on spin polarization at organic-cobalt interface. <i>Organic Electronics</i> , 2020 , 78, 105567	3.5	6
390	Angle-Resolved Photoemission Study on the Band Structure of Organic Single Crystals. <i>Crystals</i> , 2020 , 10, 773	2.3	1
389	Epitaxial growth of α -oriented MoO ₂ nanorods on m-sapphire. <i>Current Applied Physics</i> , 2020 , 20, 1130-1135	6	4
388	Interface electronic structure between aluminum and black phosphorus. <i>Results in Physics</i> , 2020 , 18, 103222	3.7	1
387	Evolutions of morphology and electronic properties of few-layered MoS ₂ exposed to UVO. <i>Results in Physics</i> , 2020 , 19, 103634	3.7	3
386	Rubidium Ions Enhanced Crystallinity for Ruddlesden-Popper Perovskites. <i>Advanced Science</i> , 2020 , 7, 2002445	13.6	13
385	Optoelectronic In-Ga-Zn-O Memtransistors for Artificial Vision System. <i>Advanced Functional Materials</i> , 2020 , 30, 2002325	15.6	24
384	Effective passivation of black phosphorus against atmosphere by quasi-monolayer of F4TCNQ molecules. <i>Applied Physics Letters</i> , 2020 , 117, 061602	3.4	6
383	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. <i>Applied Physics Letters</i> , 2020 , 117, 163501	3.4	6
382	Modification of an ultrathin C interlayer on the electronic structure and molecular packing of C8-BTBT on HOPG. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 25264-25271	3.6	3
381	Triphenylamine Polystyrene Blends for Perovskite Solar Cells with Simultaneous Energy Loss Suppression and Stability Improvement. <i>Solar Rrl</i> , 2020 , 4, 2000490	7.1	1
380	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	5.7	13
379	Energy-Level Modulation in Diboron-Modified SnO ₂ for High-Efficiency Perovskite Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 1900217	7.1	21
378	Deep-ultraviolet SnO ₂ nanowire phototransistors with an ultrahigh responsivity. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	5
377	2D electric-double-layer phototransistor for photoelectronic and spatiotemporal hybrid neuromorphic integration. <i>Nanoscale</i> , 2019 , 11, 1360-1369	7.7	132

376	High-performance solar-blind SnO nanowire photodetectors assembled using optical tweezers. <i>Nanoscale</i> , 2019 , 11, 2162-2169	7.7	30
375	Solar-blind SnO ₂ nanowire photo-synapses for associative learning and coincidence detection. <i>Nano Energy</i> , 2019 , 62, 393-400	17.1	58
374	A homogeneous p-n junction diode by selective doping of few layer MoSe using ultraviolet ozone for high-performance photovoltaic devices. <i>Nanoscale</i> , 2019 , 11, 13469-13476	7.7	26
373	Analysis of light-induced degradation in inverted perovskite solar cells under short-circuited conditions. <i>Organic Electronics</i> , 2019 , 71, 123-130	3.5	17
372	Hybrid optoelectronic synaptic functionality realized with ion gel-modulated In ₂ O ₃ phototransistors. <i>Organic Electronics</i> , 2019 , 71, 72-78	3.5	23
371	Cation and anion immobilization through chemical bonding enhancement with fluorides for stable halide perovskite solar cells. <i>Nature Energy</i> , 2019 , 4, 408-415	62.3	511
370	CVD Grown MoS ₂ Nanoribbons on MoS ₂ Covered Sapphire(0001) Without Catalysts. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019 , 13, 1900063	2.5	21
369	Interface Energy-Level Alignment between Black Phosphorus and F16CuPc Molecular Films. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 10443-10450	3.8	10
368	Accelerated hole-extraction in carbon-electrode based planar perovskite solar cells by moisture-assisted post-annealing. <i>Applied Physics Letters</i> , 2019 , 114, 103503	3.4	29
367	Fully-printed, flexible cesium-doped triple cation perovskite photodetector. <i>Applied Materials Today</i> , 2019 , 15, 389-397	6.6	26
366	Stress-sign-tunable Poisson's ratio in monolayer blue phosphorus oxide. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 295702	1.8	6
365	Electronic structure evolution at DBBA/Au(111) interface W/O Bismuth insertion layer. <i>Synthetic Metals</i> , 2019 , 251, 24-29	3.6	8
364	Low-temperature synthesis of all-inorganic perovskite nanocrystals for UV-photodetectors. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 5488-5496	7.1	16
363	Stabilizing halide perovskite surfaces for solar cell operation with wide-bandgap lead oxysalts. <i>Science</i> , 2019 , 365, 473-478	33.3	460
362	PbI-MoS Heterojunction: van der Waals Epitaxial Growth and Energy Band Alignment. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 4203-4208	6.4	16
361	Breaking down and reconstruction of islands during the film growth of CuPc on HOPG. <i>Applied Physics Letters</i> , 2019 , 114, 241602	3.4	7
360	CVD Grown MoS ₂ Nanoribbons on MoS ₂ Covered Sapphire(0001) Without Catalysts (Phys. Status Solidi RRL 7/2019). <i>Physica Status Solidi - Rapid Research Letters</i> , 2019 , 13, 1970030	2.5	0
359	Effects of CsPbBr ₃ nanocrystals concentration on electronic structure and surface composition of perovskite films. <i>Organic Electronics</i> , 2019 , 73, 327-331	3.5	16

358	High-Performance Flexible Perovskite Solar Cells via Precise Control of Electron Transport Layer. <i>Advanced Energy Materials</i> , 2019 , 9, 1901419	21.8	120
357	Solar-stimulated optoelectronic synapse based on organic heterojunction with linearly potentiated synaptic weight for neuromorphic computing. <i>Nano Energy</i> , 2019 , 66, 104095	17.1	55
356	Hybrids of PtRu Nanoclusters and Black Phosphorus Nanosheets for Highly Efficient Alkaline Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2019 , 9, 10870-10875	13.1	45
355	Highly Efficient Perovskite Solar Cells Processed Under Ambient Conditions Using In Situ Substrate-Heating-Assisted Deposition. <i>Solar Rrl</i> , 2019 , 3, 1800318	7.1	29
354	In situ 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, 213501	3.4	16
353	Structural and electronic properties of atomically thin Bismuth on Au(111). <i>Surface Science</i> , 2019 , 679, 147-153	1.8	23
352	Interfacial electronic structures of MoOx/mixed perovskite photodetector. <i>Organic Electronics</i> , 2019 , 65, 162-169	3.5	22
351	Cobalt hydroxide-black phosphorus nanosheets: A superior electrocatalyst for electrochemical oxygen evolution. <i>Electrochimica Acta</i> , 2019 , 297, 40-45	6.7	22
350	Large-scale roll-to-roll printed, flexible and stable organic bulk heterojunction photodetector. <i>Npj Flexible Electronics</i> , 2018 , 2,	10.7	37
349	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	3.5	29
348	Efficient and stable hole-conductor-free mesoscopic perovskite solar cells using SiO ₂ as blocking layer. <i>Organic Electronics</i> , 2018 , 58, 69-74	3.5	16
347	Efficient and stable planar heterojunction perovskite solar cells fabricated under ambient conditions with high humidity. <i>Organic Electronics</i> , 2018 , 55, 140-145	3.5	36
346	Low-Temperature Processed, Efficient, and Highly Reproducible Cesium-Doped Triple Cation Perovskite Planar Heterojunction Solar Cells. <i>Solar Rrl</i> , 2018 , 2, 1700209	7.1	97
345	Environmental Surface Stability of the MAPbBr ₃ Single Crystal. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 3513-3522	3.8	39
344	Argon Plasma Treatment to Tune Perovskite Surface Composition for High Efficiency Solar Cells and Fast Photodetectors. <i>Advanced Materials</i> , 2018 , 30, 1705176	24	60
343	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	3.8	23
342	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	8.9	21
341	Fast-response and high-responsivity FAXMA(1X)PbI ₃ photodetectors fabricated via doctor-blading deposition in ambient condition. <i>Organic Electronics</i> , 2018 , 52, 190-194	3.5	20

340	Stability of Perovskites at the Surface Analytic Level. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 4657-4666	4.6	13
339	Abnormal nonlinear optical properties of hybrid graphene-TiO nanostructures. <i>Optics Letters</i> , 2018 , 43, 523-526	3	24
338	From MoO ₂ @MoS ₂ Core-Shell Nanorods to MoS ₂ Nanobelts. <i>Physica Status Solidi (B): Basic Research</i> , 2018 , 255, 1800254	1.3	15
337	Coplanar Multigate MoS Electric-Double-Layer Transistors for Neuromorphic Visual Recognition. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 25943-25948	9.5	74
336	Dependence of power conversion properties of hole-conductor-free mesoscopic perovskite solar cells on the loading of perovskite crystallites. <i>Organic Electronics</i> , 2018 , 61, 119-124	3.5	29
335	Interface Electronic Structure between Au and Black Phosphorus. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 18405-18411	3.8	5
334	Flexible Neuromorphic Architectures Based on Self-Supported Multiterminal Organic Transistors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 26443-26450	9.5	66
333	Accelerated electron extraction and improved UV stability of TiO ₂ based perovskite solar cells by SnO ₂ based surface passivation. <i>Organic Electronics</i> , 2018 , 59, 184-189	3.5	39
332	Energy Level Evolution and Oxygen Exposure of Fullerene/Black Phosphorus Interface. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 5254-5261	6.4	11
331	Dependence of power conversion properties of the hole-conductor-free mesoscopic perovskite solar cells on the thickness of carbon film. <i>Organic Electronics</i> , 2018 , 62, 298-303	3.5	15
330	Electronic Structures and Nanofilm Growth of 2,7-Dioctyl[1]Benzothieno[3,2-b]Benzothiophene on Black Phosphorus. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 4332-4336	1.3	2
329	Flexible and air-stable perovskite network photodetectors based on CH ₃ NH ₃ PbI ₃ /C8BTBT bulk heterojunction. <i>Applied Physics Letters</i> , 2018 , 112, 233301	3.4	69
328	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	3	11
327	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	3.5	51
326	Congeneric Incorporation of CsPbBr ₃ Nanocrystals in a Hybrid Perovskite Heterojunction for Photovoltaic Efficiency Enhancement. <i>ACS Energy Letters</i> , 2018 , 3, 30-38	20.1	86
325	Manipulating three-dimensional bending to extraordinarily stiffen two-dimensional membranes by interference colors. <i>Nanoscale</i> , 2018 , 10, 21782-21789	7.7	4
324	Intrinsic Behavior of CH ₃ NH ₃ PbBr ₃ Single Crystals under Light Illumination. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1801206	4.6	11
323	Deep-ultraviolet-triggered neuromorphic functions in In-Zn-O phototransistors. <i>Applied Physics Letters</i> , 2018 , 113, 151101	3.4	51

3 ²²	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	3.6	16
3 ²¹	Highly Efficient, Solution-Processed CsPbI ₂ Br Planar Heterojunction Perovskite Solar Cells via Flash Annealing. <i>ACS Photonics</i> , 2018 , 5, 4104-4110	6.3	55
3 ²⁰	Dependence of power conversion properties of perovskite solar cells on operating temperature. <i>Applied Physics Letters</i> , 2018 , 113, 113501	3.4	19
3 ¹⁹	Interfacial Electronic Structures of Photodetectors Based on C8BTBT/Perovskite. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 20959-20967	9.5	9
3 ¹⁸	Seesaw-like polarized transmission behavior of silver nanowire arrays aligned by off-center spin-coating. <i>Journal of Applied Physics</i> , 2018 , 123, 205110	2.5	13
3 ¹⁷	Ultraviolet saturable absorption and ultrafast carrier dynamics in ultrasmall black phosphorus quantum dots. <i>Nanoscale</i> , 2017 , 9, 4683-4690	7.7	83
3 ¹⁶	Valence band dispersion measurements of perovskite single crystals using angle-resolved photoemission spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 5361-5365	3.6	28
3 ¹⁵	Interfacial chemical and electronic structure of cobalt deposition on 2,7-dioctyl[1]benzothieno[3,2-b]benzothiophene (C8-BTBT). <i>Applied Surface Science</i> , 2017 , 402, 142-146	6.7	5
3 ¹⁴	Half-metallicity and spin-polarization transport properties in transition-metal atoms single-edge-terminated zigzag graphene nanoribbons. <i>Organic Electronics</i> , 2017 , 44, 168-175	3.5	42
3 ¹³	Stable monolithic hole-conductor-free perovskite solar cells using TiO ₂ nanoparticle binding carbon films. <i>Organic Electronics</i> , 2017 , 45, 131-138	3.5	47
3 ¹²	Air-Induced High-Quality CH ₃ NH ₃ PbI ₃ Thin Film for Efficient Planar Heterojunction Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 6575-6580	3.8	42
3 ¹¹	Light-Induced Degradation of CH ₃ NH ₃ PbI ₃ Hybrid Perovskite Thin Film. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 3904-3910	3.8	196
3 ¹⁰	Organic Phototransistors: High-Performance Organic Heterojunction Phototransistors Based on Highly Ordered Copper Phthalocyanine/para-Sexiphenyl Thin Films (Adv. Funct. Mater. 6/2017). <i>Advanced Functional Materials</i> , 2017 , 27,	15.6	1
3 ⁰⁹	Chiral Self-Assembly of Nonplanar 10,10'-Dibromo-9,9'-bianthryl Molecules on Ag(111). <i>Langmuir</i> , 2017 , 33, 2993-2999	4	11
3 ⁰⁸	Spatially-correlated neuron transistors with ion-gel gating for brain-inspired applications. <i>Organic Electronics</i> , 2017 , 44, 25-31	3.5	36
3 ⁰⁷	Multi-gate organic neuron transistors for spatiotemporal information processing. <i>Applied Physics Letters</i> , 2017 , 110, 083302	3.4	88
3 ⁰⁶	Orientation-specific transgranular fracture behavior of CVD-grown monolayer MoS ₂ single crystal. <i>Applied Physics Letters</i> , 2017 , 110, 153105	3.4	18
3 ⁰⁵	Long-term synaptic plasticity simulated in ionic liquid/polymer hybrid electrolyte gated organic transistors. <i>Organic Electronics</i> , 2017 , 47, 126-132	3.5	48

304	High-performance formamidinium-based perovskite photodetectors fabricated via doctor-blading deposition in ambient condition. <i>Organic Electronics</i> , 2017 , 47, 102-107	3.5	27
303	Fullerene (C60) 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	3.6	13
302	High-Performance Broadband Perovskite Photodetectors Based on CH ₃ NH ₃ PbI ₃ /C8BTBT Heterojunction. <i>Advanced Electronic Materials</i> , 2017 , 3, 1700058	6.4	84
301	Interface electronic structure and morphology of 2,7-dioctyl[1]benzothieno[3,2-b]benzothiophene (C8-BTBT) on Au film. <i>Applied Surface Science</i> , 2017 , 416, 696-703	6.7	13
300	2D MoS ₂ Neuromorphic Devices for Brain-Like Computational Systems. <i>Small</i> , 2017 , 13, 1700933	11	200
299	Improving power conversion efficiency of perovskite solar cells by cooperative LSPR of gold-silver dual nanoparticles. <i>Chinese Physics B</i> , 2017 , 26, 058401	1.2	11
298	Degradation behavior of planar heterojunction CH ₃ NH ₃ PbI ₃ perovskite solar cells. <i>Synthetic Metals</i> , 2017 , 227, 43-51	3.6	30
297	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	3.5	85
296	High-Performance Organic Heterojunction Phototransistors Based on Highly Ordered Copper Phthalocyanine/para-Sexiphenyl Thin Films. <i>Advanced Functional Materials</i> , 2017 , 27, 1604933	15.6	47
295	The correlations of the electronic structure and film growth of 2,7-dioctyl[1]benzothieno[3,2-b]benzothiophene (C8-BTBT) on SiO ₂ . <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 1669-1676	3.6	24
294	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	11.5	40
293	Irreversible light-soaking effect of perovskite solar cells caused by light-induced oxygen vacancies in titanium oxide. <i>Applied Physics Letters</i> , 2017 , 111, 153501	3.4	49
292	Effects of monolayer Bi on the self-assembly of DBBA on Au(111). <i>Surface Science</i> , 2017 , 665, 89-95	1.8	24
291	Spin-dependent transport characteristics of nanostructures based on armchair arsenene nanoribbons. <i>Chinese Physics B</i> , 2017 , 26, 098509	1.2	7
290	Multilevel Nonvolatile Organic Photomemory Based on Vanadyl-Phthalocyanine/para-Sexiphenyl Heterojunctions. <i>ACS Photonics</i> , 2017 , 4, 2573-2579	6.3	53
289	High electrical conductivity of individual epitaxially grown MoO ₂ nanorods. <i>Applied Physics Letters</i> , 2017 , 111, 093505	3.4	37
288	Charge Transfer at the PTCDA/Black Phosphorus Interface. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 18084-18094	3.8	38
287	Electronic structures at the interface between CuPc and black phosphorus. <i>Journal of Chemical Physics</i> , 2017 , 147, 064702	3.9	9

286	Large-area and high-performance CH ₃ NH ₃ PbI ₃ perovskite photodetectors fabricated via doctor blading in ambient condition. <i>Organic Electronics</i> , 2017 , 49, 347-354	3.5	53
285	Substrate induced anomalous electrostatic and photoluminescence properties of monolayer MoS ₂ edges. <i>Solid State Communications</i> , 2017 , 249, 1-6	1.6	8
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270	Prominent Efficiency Enhancement in Perovskite Solar Cells Employing Silica-Coated Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 6996-7004	3.8	71
269	Solution-processed lithium-doped zinc oxide thin-film transistors at low temperatures between 100 and 300 °C. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	21

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