

Yong-li Gao

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429
papers

19,161
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69
h-index

121
g-index

449
ext. papers

21,347
ext. citations

5
avg. IF

6.82
L-index

#	Paper	IF	Citations
429	Efficient, high yield perovskite photovoltaic devices grown by interdiffusion of solution-processed precursor stacking layers. <i>Energy and Environmental Science</i> , 2014 , 7, 2619-2623	35.4	1059
428	Sensitive X-ray detectors made of methylammonium lead tribromide perovskite single crystals. <i>Nature Photonics</i> , 2016 , 10, 333-339	33.9	894
427	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
426	Work function of indium tin oxide transparent conductor measured by photoelectron spectroscopy. <i>Applied Physics Letters</i> , 1996 , 68, 2699-2701	3.4	501
425	Stabilizing halide perovskite surfaces for solar cell operation with wide-bandgap lead oxysalts. <i>Science</i> , 2019 , 365, 473-478	33.3	460
424	Qualifying composition dependent p and n self-doping in CH ₃ NH ₃ PbI ₃ . <i>Applied Physics Letters</i> , 2014 , 105, 163508	3.4	417
423	Platinum-Maghemite CoreShell Nanoparticles Using a Sequential Synthesis. <i>Nano Letters</i> , 2003 , 3, 261-264.5	4.5	370
422	Interfacial chemistry of Alq ₃ and LiF with reactive metals. <i>Journal of Applied Physics</i> , 2001 , 89, 2756-2765.5	5.5	313
421	High performance all-polymer solar cell via polymer side-chain engineering. <i>Advanced Materials</i> , 2014 , 26, 3767-72	24	300
420	Understanding the formation and evolution of interdiffusion grown organolead halide perovskite thin films by thermal annealing. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 18508-18514	13	238
419	Determination of spin injection and transport in a ferromagnet/organic semiconductor heterojunction by two-photon photoemission. <i>Nature Materials</i> , 2009 , 8, 115-9	27	236
418	Electronic structure symmetry of interfaces between pentacene and metals. <i>Applied Physics Letters</i> , 2002 , 80, 4384-4386	3.4	229
417	A photoelectron spectroscopy study on the indium tin oxide treatment by acids and bases. <i>Applied Physics Letters</i> , 1999 , 74, 880-882	3.4	201
416	2D MoS ₂ Neuromorphic Devices for Brain-Like Computational Systems. <i>Small</i> , 2017 , 13, 1700933	11	200
415	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
414	Large-area perovskite nanowire arrays fabricated by large-scale roll-to-roll micro-gravure printing and doctor blading. <i>Nanoscale</i> , 2016 , 8, 5350-7	7.7	187
413	Surface analytical studies of interfaces in organic semiconductor devices. <i>Materials Science and Engineering Reports</i> , 2010 , 68, 39-87	30.9	180

412	Energy level evolution of air and oxygen exposed molybdenum trioxide films. <i>Applied Physics Letters</i> , 2010 , 96, 243307	3.4	175
411	The effect of molybdenum oxide interlayer on organic photovoltaic cells. <i>Applied Physics Letters</i> , 2009 , 95, 093304	3.4	174
410	Photoemission study of aluminum/tris-(8-hydroxyquinoline) aluminum and aluminum/LiF/tris-(8-hydroxyquinoline) aluminum interfaces. <i>Journal of Applied Physics</i> , 2000 , 87, 375-379	3.5	173
409	Time-resolved two-photon photoemission from Cu(100): Energy dependence of electron relaxation. <i>Physical Review B</i> , 1994 , 50, 8957-8960	3.3	162
408	Finite Size Effects on Electroluminescence of Nanoscale Semiconducting Polymer Heterojunctions. <i>Chemistry of Materials</i> , 1997 , 9, 409-412	9.6	161
407	Tuning the threshold voltage of carbon nanotube transistors by n-type molecular doping for robust and flexible complementary circuits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 4776-81	11.5	157
406	Theoretical predictions on the electronic structure and charge carrier mobility in 2D phosphorus sheets. <i>Scientific Reports</i> , 2015 , 5, 9961	4.9	153
405	Investigation of the interface formation between calcium and tris-(8-hydroxy quinoline) aluminum. <i>Applied Physics Letters</i> , 1998 , 72, 2689-2691	3.4	152
404	Evaluation of solution-processable carbon-based electrodes for all-carbon solar cells. <i>ACS Nano</i> , 2012 , 6, 10384-95	16.7	142
403	Interfacial electronic structure at the CH ₃ NH ₃ PbI ₃ /MoO _x interface. <i>Applied Physics Letters</i> , 2015 , 106, 193903	3.4	139
402	Strong and stable doping of carbon nanotubes and graphene by MoO _x for transparent electrodes. <i>Nano Letters</i> , 2012 , 12, 3574-80	11.5	135
401	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
400	2D electric-double-layer phototransistor for photoelectronic and spatiotemporal hybrid neuromorphic integration. <i>Nanoscale</i> , 2019 , 11, 1360-1369	7.7	132
399	Observation of surface enhanced multiphoton photoemission from metal surfaces in the short pulse limit. <i>Journal of Chemical Physics</i> , 1995 , 102, 8606-8613	3.9	131
398	High-Performance Flexible Perovskite Solar Cells via Precise Control of Electron Transport Layer. <i>Advanced Energy Materials</i> , 2019 , 9, 1901419	21.8	120
397	Importance of indium tin oxide surface acidity/basicity for charge injection into organic materials based light emitting diodes. <i>Journal of Applied Physics</i> , 2000 , 87, 7973-7980	2.5	117
396	Energy dependence of electron lifetime in graphite observed with femtosecond photoemission spectroscopy. <i>Physical Review Letters</i> , 1996 , 76, 483-486	7.4	114
395	Dramatic photoluminescence quenching of phenylene vinylene oligomer thin films upon submonolayer Ca deposition. <i>Applied Physics Letters</i> , 1996 , 69, 1492-1494	3.4	114

394	Tuning the Carrier Injection Efficiency for Organic Light-Emitting Diodes. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 3948-3952	3.4	108
393	Trap states of tris-8-(hydroxyquinoline) aluminum and naphthyl-substituted benzidine derivative using thermally stimulated luminescence. <i>Applied Physics Letters</i> , 1998 , 73, 1457-1459	3.4	101
392	Electronic structures of the YBa ₂ Cu ₃ O _{7-x} surface and its modification by sputtering and adatoms of Ti and Cu. <i>Physical Review B</i> , 1988 , 38, 6500-6512	3.3	101
391	Energy level evolution of molybdenum trioxide interlayer between indium tin oxide and organic semiconductor. <i>Applied Physics Letters</i> , 2010 , 96, 073304	3.4	100
390	Organic Schottky barrier photovoltaic cells based on MoO _x /C60. <i>Applied Physics Letters</i> , 2010 , 96, 183303	3.4	100
389	Artificial Synapses Based on in-Plane Gate Organic Electrochemical Transistors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 26169-26175	9.5	100
388	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
387	Valence bands, oxygen in planes and chains, and surface changes for single crystals of M ₂ CuO ₄ and MBa ₂ Cu ₃ O _x (M=Pr,Nd,Eu,Gd). <i>Physical Review B</i> , 1988 , 38, 4668-4676	3.3	97
386	Degradation by Exposure of Coevaporated CH ₃ NH ₃ PbI ₃ Thin Films. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 23996-24002	3.8	95
385	Effects of Precursor Ratios and Annealing on Electronic Structure and Surface Composition of CH ₃ NH ₃ PbI ₃ Perovskite Films. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 215-220	3.8	90
384	Efficient and non-hysteresis CH ₃ NH ₃ PbI ₃ /PCBM planar heterojunction solar cells. <i>Organic Electronics</i> , 2015 , 24, 106-112	3.5	89
383	Multi-gate organic neuron transistors for spatiotemporal information processing. <i>Applied Physics Letters</i> , 2017 , 110, 083302	3.4	88
382	Broadband spatial self-phase modulation of black phosphorous. <i>Optics Letters</i> , 2016 , 41, 1704-7	3	87
381	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
380	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
379	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
378	Interface degradation of perovskite solar cells and its modification using an annealing-free TiO ₂ NPs layer. <i>Organic Electronics</i> , 2016 , 30, 30-35	3.5	84
377	Ultraviolet saturable absorption and ultrafast carrier dynamics in ultrasmall black phosphorus quantum dots. <i>Nanoscale</i> , 2017 , 9, 4683-4690	7.7	83

376	Work function recovery of air exposed molybdenum oxide thin films. <i>Applied Physics Letters</i> , 2012 , 101, 093305	3.4	83
375	Femtosecond photoemission study of ultrafast electron dynamics in single-crystal Au(111) films. <i>Physical Review B</i> , 1998 , 58, 10948-10952	3.3	83
374	Oxidation study of GaN using x-ray photoemission spectroscopy. <i>Applied Physics Letters</i> , 1999 , 75, 2602-2604	3.4	83
373	Efficient electron-blocking layer-free planar heterojunction perovskite solar cells with a high open-circuit voltage. <i>Organic Electronics</i> , 2015 , 26, 265-272	3.5	77
372	Interfacial Molecular Doping of Metal Halide Perovskites for Highly Efficient Solar Cells. <i>Advanced Materials</i> , 2020 , 32, e2001581	24	77
371	Silicon/molecule interfacial electronic modifications. <i>Journal of the American Chemical Society</i> , 2008 , 130, 1699-710	16.4	77
370	Direct observation of Fermi-level pinning in Cs-doped CuPc film. <i>Applied Physics Letters</i> , 2001 , 79, 4148-4150	3.4	77
369	Gap-State Induced Photoluminescence Quenching of Phenylene Vinylene Oligomer and Its Recovery by Oxidation. <i>Physical Review Letters</i> , 1997 , 78, 3955-3958	7.4	76
368	Coplanar Multigate MoS Electric-Double-Layer Transistors for Neuromorphic Visual Recognition. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 25943-25948	9.5	74
367	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
366	Electronic structures at the interface between Au and CH ₃ NH ₃ PbI ₃ . <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 896-902	3.6	72
365	Photoemission study of the interface between phenyl diamine and treated indium tin oxide. <i>Applied Physics Letters</i> , 1999 , 75, 1357-1359	3.4	72
364	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
363	Current-voltage characteristic of organic light emitting diodes. <i>Applied Physics Letters</i> , 1998 , 72, 3038-3040	3.4	71
362	Thermodynamic equilibrium and metal-organic interface dipole. <i>Applied Physics Letters</i> , 2002 , 81, 2752-2754	3.4	70
361	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
360	Femtosecond photoemission study of ultrafast electron dynamics on Cu(100). <i>Physical Review B</i> , 1997 , 56, 1099-1102	3.3	68
359	Flexible Neuromorphic Architectures Based on Self-Supported Multiterminal Organic Transistors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 26443-26450	9.5	66

358	Aluminum phthalocyanine chloride/C60 organic photovoltaic cells with high open-circuit voltages. <i>Solar Energy Materials and Solar Cells</i> , 2009 , 93, 1688-1691	6.4	64
357	Interface formation of Ca with poly(p-phenylene vinylene). <i>Journal of Applied Physics</i> , 1993 , 73, 7894-7899	5	64
356	Strong interface p-doping and band bending in C60 on MoOx. <i>Organic Electronics</i> , 2011 , 12, 1588-1593	3.5	62
355	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
354	A self-consistent microscopic theory of hydrogen bond melting with application to poly(dG)?poly(dC). <i>Journal of Chemical Physics</i> , 1984 , 80, 6291-6298	3.9	59
353	Solar-blind SnO2 nanowire photo-synapses for associative learning and coincidence detection. <i>Nano Energy</i> , 2019 , 62, 393-400	17.1	58
352	Organic field-effect transistor and its photoresponse using a benzo[1,2-b:4,5-b']difuran-based donor-acceptor conjugated polymer. <i>Organic Electronics</i> , 2014 , 15, 1050-1055	3.5	58
351	Resonant inverse photoemission of Bi2Ca1+xSr2-xCu2O8+y and YBa2Cu3O7-x, unoccupied oxygen states, and plasmons. <i>Physical Review B</i> , 1989 , 39, 2928-2931	3.3	58
350	Enhanced efficiency and stability of polymer solar cells with TiO2 nanoparticles buffer layer. <i>Organic Electronics</i> , 2014 , 15, 835-843	3.5	57
349	High-efficiency inverted polymer solar cells with double interlayer. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 866-70	9.5	56
348	Energy level bending and alignment at the interface between Ca and a phenylene vinylene oligomer. <i>Applied Physics Letters</i> , 1996 , 69, 1080-1082	3.4	56
347	Inverse photoemission studies of the empty electronic states and surface stability of La1.85Sr0.15CuO4. <i>Physical Review B</i> , 1987 , 36, 3971-3974	3.3	56
346	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
345	Halogen Precursor Route to Poly[(2,3-diphenyl-p-phenylene)vinylene] (DP-PPV): Synthesis, Photoluminescence, Electroluminescence, and Photoconductivity. <i>Macromolecules</i> , 1997 , 30, 6567-6574	5.5	55
344	Photo-active and electro-active protein films prepared by reconstitution with metalloporphyrins self-assembled on gold. <i>Journal of Materials Chemistry</i> , 1996 , 6, 369		55
343	Highly Efficient, Solution-Processed CsPbI2Br Planar Heterojunction Perovskite Solar Cells via Flash Annealing. <i>ACS Photonics</i> , 2018 , 5, 4104-4110	6.3	55
342	Deposition-induced photoluminescence quenching of tris-(8-hydroxyquinoline) aluminum. <i>Applied Physics Letters</i> , 1997 , 71, 1005-1007	3.4	54
341	Incident-beam effects in electron-stimulated Auger-electron diffraction. <i>Physical Review B</i> , 1991 , 43, 9692-9699	3.3	54

340	Multilevel Nonvolatile Organic Photomemory Based on Vanadyl-Phthalocyanine/para-Sexiphenyl Heterojunctions. <i>ACS Photonics</i> , 2017 , 4, 2573-2579	6.3	53
339	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
338	Ion-gel gated field-effect transistors with solution-processed oxide semiconductors for bioinspired artificial synapses. <i>Organic Electronics</i> , 2016 , 39, 64-70	3.5	51
337	Fractal-mound growth of pentacene thin films. <i>Physical Review B</i> , 2006 , 74,	3.3	51
336	Cs doping and energy level shift in CuPc. <i>Chemical Physics Letters</i> , 2003 , 380, 451-455	2.5	51
335	Electronic structure of Cs-doped tris(8-hydroxyquinoline) aluminum. <i>Applied Physics Letters</i> , 2005 , 86, 213508	3.4	51
334	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
333	Deep-ultraviolet-triggered neuromorphic functions in In-Zn-O phototransistors. <i>Applied Physics Letters</i> , 2018 , 113, 151101	3.4	51
332	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
331	Influence of copper phthalocyanine on the charge injection and growth modes for organic light emitting diodes. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2000 , 18, 1869-1874	2.9	49
330	Surface Analytical Studies of Interface Formation in Organic Light-Emitting Devices. <i>Accounts of Chemical Research</i> , 1999 , 32, 247-255	24.3	49
329	Femtosecond time-resolved photoemission study of hot electron relaxation at the GaAs(100) surface. <i>Chemical Physics</i> , 1996 , 205, 91-108	2.3	49
328	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
327	Band bending modified tunneling at metal/conjugated polymer interfaces. <i>Applied Physics Letters</i> , 1995 , 67, 2705-2707	3.4	48
326	Iodine and Chlorine Element Evolution in CH ₃ NH ₃ PbI _{3-x} Cl _x Thin Films for Highly Efficient Planar Heterojunction Perovskite Solar Cells. <i>Chemistry of Materials</i> , 2016 , 28, 2742-2749	9.6	48
325	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
324	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
323	Interface formation between NPB and processed indium tin oxide. <i>Thin Solid Films</i> , 2000 , 363, 42-46	2.2	47

3 ²²	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
3 ²¹	Observation of large nonlinear responses in a graphene-Bi ₂ Te ₃ heterostructure at a telecommunication wavelength. <i>Applied Physics Letters</i> , 2016 , 108, 221901	3.4	47
3 ²⁰	Theoretical prediction of electronic structure and carrier mobility in single-walled MoS ₂ nanotubes. <i>Scientific Reports</i> , 2014 , 4, 4327	4.9	46
3 ¹⁹	Electronic structure of interfaces between copper-hexadecafluoro-phthalocyanine and 2,5-bis(4-biphenyl) bithiophene. <i>Applied Physics Letters</i> , 2007 , 91, 142112	3.4	46
3 ¹⁸	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
3 ¹⁷	MoO _x back contact for CdS/CdTe thin film solar cells: Preparation, device characteristics, and stability. <i>Solar Energy Materials and Solar Cells</i> , 2012 , 99, 349-355	6.4	45
3 ¹⁶	Photoemission study of energy alignment at the metal/Alq ₃ interfaces. <i>Applied Surface Science</i> , 2001 , 175-176, 412-418	6.7	45
3 ¹⁵	Unoccupied electronic states and surface phenomena for YBa ₂ Cu ₃ O _{6.9} . <i>Physical Review B</i> , 1987 , 36, 3899-3902	3.3	45
3 ¹⁴	Efficient organic photovoltaics using solution-processed, annealing-free TiO ₂ nanocrystalline particles as an interface modification layer. <i>Organic Electronics</i> , 2015 , 17, 253-261	3.5	44
3 ¹³	Ultra-broadband Nonlinear Saturable Absorption for Two-dimensional Bi ₂ TeXSe _{3-x} Nanosheets. <i>Scientific Reports</i> , 2016 , 6, 33070	4.9	44
3 ¹²	Electronic structure evolution of fullerene on CH ₃ NH ₃ PbI ₃ . <i>Applied Physics Letters</i> , 2015 , 106, 111603	3.4	43
3 ¹¹	X-ray photoemission investigations of the interface formation of Ca and poly(p-phenylene vinylene). <i>Journal of Chemical Physics</i> , 1992 , 97, 6991-6993	3.9	43
3 ¹⁰	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 ⁰⁹	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 ⁰⁸	Molecular beam epitaxial growth of BGaAs ternary compounds. <i>Journal of Electronic Materials</i> , 2000 , 29, 1387-1391	1.9	42
3 ⁰⁷	A picosecond electron gun for surface analysis. <i>Review of Scientific Instruments</i> , 1995 , 66, 1000-1009	1.7	42
3 ⁰⁶	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
3 ⁰⁵	Band structure measurement of organic single crystal with angle-resolved photoemission. <i>Applied Physics Letters</i> , 2010 , 96, 222106	3.4	40

304	Synthesis of Highly Phenylated Poly(p-phenylenevinylenes) via a Chlorine Precursor Route. <i>Macromolecules</i> , 1998 , 31, 631-636	5.5	40
303	Flexible organic field-effect transistors on biodegradable cellulose paper with efficient reusable ion gel dielectrics. <i>RSC Advances</i> , 2015 , 5, 14567-14574	3.7	39
302	Environmental Surface Stability of the MAPbBr ₃ Single Crystal. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 3513-3522	3.8	39
301	Artificial synapses based on biopolymer electrolyte-coupled SnO ₂ nanowire transistors. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 11110-11117	7.1	39
300	Controllable thin-film morphology and structure for 2,7-dioctyl[1]benzothieno[3,2-b][1]benzothiophene (C8BTBT) based organic field-effect transistors. <i>Organic Electronics</i> , 2016 , 36, 73-81	3.5	39
299	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
298	High-performance ultraviolet photodetectors based on CdS/CdS:SnS ₂ superlattice nanowires. <i>Nanoscale</i> , 2016 , 8, 14580-6	7.7	39
297	Effects of annealing on structure and composition of LSMO thin films. <i>Physica B: Condensed Matter</i> , 2015 , 477, 14-19	2.8	38
296	Surface analytical investigation on organometal triiodide perovskite. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2015 , 33, 032401	1.3	38
295	Investigation on thermal evaporated CH ₃ NH ₃ PbI ₃ thin films. <i>AIP Advances</i> , 2015 , 5, 097111	1.5	38
294	Charge Transfer at the PTCDA/Black Phosphorus Interface. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 18084-18094	3.8	38
293	Disruption, segregation, and passivation for Pd and noble-metal overlayers on YBa ₂ Cu ₃ O _{6.9} . <i>Physical Review B</i> , 1988 , 38, 232-239	3.3	38
292	Large-scale roll-to-roll printed, flexible and stable organic bulk heterojunction photodetector. <i>Npj Flexible Electronics</i> , 2018 , 2,	10.7	37
291	Efficient and stable inverted polymer solar cells using TiO ₂ nanoparticles and analyzed by Mott-Schottky capacitance. <i>Organic Electronics</i> , 2014 , 15, 1745-1752	3.5	37
290	High electrical conductivity of individual epitaxially grown MoO ₂ nanorods. <i>Applied Physics Letters</i> , 2017 , 111, 093505	3.4	37
289	Interfacial electronic structures of buffer-modified pentacene/C ₆₀ -based charge generation layer. <i>Organic Electronics</i> , 2015 , 17, 325-333	3.5	37
288	Interfaces in organic semiconductor devices. <i>Thin Solid Films</i> , 2002 , 417, 101-106	2.2	37
287	d states, exchange splitting, and Mn electronic configuration in Cd _{1-x} Mn _x Te. <i>Physical Review B</i> , 1989 , 40, 12009-12012	3.3	37

286	Spatially-correlated neuron transistors with ion-gel gating for brain-inspired applications. <i>Organic Electronics</i> , 2017 , 44, 25-31	3.5	36
285	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
284	Role of molybdenum oxide for organic electronics: Surface analytical studies. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2014 , 32, 040801	1.3	36
283	Tri-phase all-optical switching and broadband nonlinear optical response in BiSe nanosheets. <i>Optics Express</i> , 2017 , 25, 18346-18354	3.3	36
282	Interface formation and energy level alignment of pentacene on SiO ₂ . <i>Journal of Applied Physics</i> , 2003 , 94, 5782-5786	2.5	36
281	An x-ray photoemission spectroscopy study of the role of sample preparation on band bending at the interface of Al with poly(p-phenylene vinylene). <i>Journal of Applied Physics</i> , 1994 , 75, 7526-7530	2.5	36
280	Enhanced Nonlinear Optical Response of Rectangular MoS ₂ and MoS ₂ /TiO ₂ in Dispersion and Film. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 18243-18248	3.8	36
279	Thickness-Dependent Air-Exposure-Induced Phase Transition of CuPc Ultrathin Films to Well-Ordered One-Dimensional Nanocrystals on Layered Substrates. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 4217-4223	3.8	35
278	Electron spectroscopy studies of interface formation between metal electrodes and luminescent organic materials. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1997 , 15, 2574-2578	2.9	35
277	Vacuum level alignment of pentacene on LiF/Au. <i>Journal of Applied Physics</i> , 2003 , 94, 1289-1291	2.5	34
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