

Aram Amassian

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5140482/publications.pdf>

Version: 2024-02-01

245
papers

25,284
citations

6613

79
h-index

7160

153
g-index

257
all docs

257
docs citations

257
times ranked

22451
citing authors

#	ARTICLE	IF	CITATIONS
1	Conjugated Polymer Mesocrystals with Structural and Optoelectronic Coherence and Anisotropy in Three Dimensions. <i>Advanced Materials</i> , 2022, 34, e2103002.	21.0	11
2	Blending Donors with Different Molecular Weights: An Efficient Strategy to Resolve the Conflict between Coherence Length and Intermixed Phase in Polymer/Nonfullerene Solar Cells. <i>Small</i> , 2022, 18, e2103804.	10.0	16
3	A universal co-solvent dilution strategy enables facile and cost-effective fabrication of perovskite photovoltaics. <i>Nature Communications</i> , 2022, 13, 89.	12.8	77
4	Formamidinium-based Ruddlesden-Popper perovskite films fabricated via two-step sequential deposition: quantum well formation, physical properties and film-based solar cells. <i>Energy and Environmental Science</i> , 2022, 15, 1144-1155.	30.8	27
5	Conjugated polymers with controllable interfacial order and energetics enable tunable heterojunctions in organic and colloidal quantum dot photovoltaics. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1788-1801.	10.3	6
6	Versatile methods for improving the mechanical properties of fullerene and non-fullerene bulk heterojunction layers to enable stretchable organic solar cells. <i>Journal of Materials Chemistry C</i> , 2022, 10, 3375-3386.	5.5	10
7	A Universal Cosolvent Evaporation Strategy Enables Direct Printing of Perovskite Single Crystals for Optoelectronic Device Applications. <i>Advanced Materials</i> , 2022, 34, e2109862.	21.0	18
8	In Situ Study of Molecular Aggregation in Conjugated Polymer/Elastomer Blends toward Stretchable Electronics. <i>Macromolecules</i> , 2022, 55, 297-308.	4.8	30
9	Processing of Lead Halide Perovskite Thin Films Studied with In-Situ Real-Time X-ray Scattering. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 26315-26326.	8.0	5
10	Controlling Phase Transition toward Future Low-Cost and Eco-friendly Printing of Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 6503-6513.	4.6	9
11	Roles of Organic Ligands in Ambient Stability of Layered Halide Perovskites. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 33085-33093.	8.0	2
12	Microstructure and lattice strain control towards high-performance ambient green-printed perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13297-13305.	10.3	29
13	A molecular interaction-diffusion framework for predicting organic solar cell stability. <i>Nature Materials</i> , 2021, 20, 525-532.	27.5	212
14	Perovskite Solar Cells toward Eco-Friendly Printing. <i>Research</i> , 2021, 2021, 9671892.	5.7	18
15	Balancing crop production and energy harvesting in organic solar-powered greenhouses. <i>Cell Reports Physical Science</i> , 2021, 2, 100381.	5.6	48
16	Wide and Tunable Bandgap MAPbBr ₃ /CH ₃ NH ₃ PbBr ₃ Hybrid Perovskites with Enhanced Phase Stability: In Situ Investigation and Photovoltaic Devices. <i>Solar Rrl</i> , 2021, 5, 2000718.	5.8	32
17	Film Formation Control for High Performance Dion-Jacobson 2D Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2021, 11, 2002733.	19.5	62
18	Implication of polymeric template agent on the formation process of hybrid halide perovskite films. <i>Nanotechnology</i> , 2021, 32, 265707.	2.6	13

#	ARTICLE	IF	CITATIONS
19	Optimizing Morphology to Trade Off Charge Transport and Mechanical Properties of Stretchable Conjugated Polymer Films. <i>Macromolecules</i> , 2021, 54, 3907-3926.	4.8	70
20	Effective Phase Alignment for 2D Halide Perovskites Incorporating Symmetric Diammonium Ion for Photovoltaics. <i>Advanced Science</i> , 2021, 8, e2001433.	11.2	32
21	Stable 2D Alternating Cation Perovskite Solar Cells with Power Conversion Efficiency >19% via Solvent Engineering. <i>Solar Rrl</i> , 2021, 5, 2100286.	5.8	45
22	Pushing the Limits of Flexibility and Stretchability of Solar Cells: A Review. <i>Advanced Materials</i> , 2021, 33, e2101469.	21.0	51
23	Observation of spatially resolved Rashba states on the surface of CH ₃ NH ₃ PbBr ₃ single crystals. <i>Applied Physics Reviews</i> , 2021, 8, .	11.3	12
24	Impact of Residual Lead Iodide on Photophysical Properties of Lead Triiodide Perovskite Solar Cells. <i>Energy Technology</i> , 2020, 8, 1900627.	3.8	10
25	Observation of long spin lifetime in MAPbBr ₃ single crystals at room temperature. <i>JPhys Materials</i> , 2020, 3, 015012.	4.2	15
26	Ambient blade coating of mixed cation, mixed halide perovskites without dripping: <i>in situ</i> investigation and highly efficient solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1095-1104.	10.3	68
27	Systematic Study on the Morphological Development of Blade-Coated Conjugated Polymer Thin Films via In Situ Measurements. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 36417-36427.	8.0	15
28	Novel Bimodal Silver Nanowire Network as Top Electrodes for Reproducible and High Efficiency Semitransparent Organic Photovoltaics. <i>Solar Rrl</i> , 2020, 4, 2000328.	5.8	36
29	Perovskite Quantum Dots: Artificial Chemist: An Autonomous Quantum Dot Synthesis Bot (Adv. Mater.) Tj ETQq1 1,0784312 rgBT /Ove	21.0	12
30	Colloidal Quantum Dot Photovoltaics: Current Progress and Path to Gigawatt Scale Enabled by Smart Manufacturing. <i>ACS Energy Letters</i> , 2020, 5, 3069-3100.	17.4	61
31	Printable CsPbI ₃ Perovskite Solar Cells with PCE of 19% via an Additive Strategy. <i>Advanced Materials</i> , 2020, 32, e2001243.	21.0	157
32	High-density polyethylene an inert additive with stabilizing effects on organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15406-15415.	5.5	15
33	The Critical Role of Materials Interaction in Realizing Organic Field-Effect Transistors Via High-Dilution Blending with Insulating Polymers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 26239-26249.	8.0	22
34	High Performance Tandem Organic Solar Cells Using HSolar as the Interconnecting Layer. <i>Advanced Energy Materials</i> , 2020, 10, 2000823.	19.5	23
35	Colloidal Quantum Dot Photovoltaics Using Ultrathin, Solution-Processed Bilayer In ₂ O ₃ /ZnO Electron Transport Layers with Improved Stability. <i>ACS Applied Energy Materials</i> , 2020, 3, 5135-5141.	5.1	13
36	Artificial Chemist: An Autonomous Quantum Dot Synthesis Bot. <i>Advanced Materials</i> , 2020, 32, e2001626.	21.0	170

#	ARTICLE	IF	CITATIONS
37	Efficient Hybrid Mixed-Ion Perovskite Photovoltaics: In Situ Diagnostics of the Roles of Cesium and Potassium Alkali Cation Addition. <i>Solar Rrl</i> , 2020, 4, 2000272.	5.8	19
38	Facile and noninvasive passivation, doping and chemical tuning of macroscopic hybrid perovskite crystals. <i>PLoS ONE</i> , 2020, 15, e0230540.	2.5	9
39	<i>In situ</i> study of the film formation mechanism of organic-inorganic hybrid perovskite solar cells: controlling the solvate phase using an additive system. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7695-7703.	10.3	29
40	Role of Alkali-Metal Cations in Electronic Structure and Halide Segregation of Hybrid Perovskites. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 34402-34412.	8.0	15
41	Organic Solar Cells: High-Performance Tandem Organic Solar Cells Using HSolar as the Interconnecting Layer (<i>Adv. Energy Mater.</i> 25/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070109.	19.5	0
42	Critical Role of Polymer Aggregation and Miscibility in Nonfullerene-Based Organic Photovoltaics. <i>Advanced Energy Materials</i> , 2020, 10, 1902430.	19.5	41
43	Room-Temperature Partial Conversion of $\text{FAPbI}_{3-x}\text{Br}_x$ Perovskite Phase via PbI_2 Solvation Enables High-Performance Solar Cells. <i>Advanced Functional Materials</i> , 2020, 30, 1907442.	14.9	41
44	Efficient near-infrared light-emitting diodes based on quantum dots in layered perovskite. <i>Nature Photonics</i> , 2020, 14, 227-233.	31.4	136
45	Optimizing Solid-State Ligand Exchange for Colloidal Quantum Dot Optoelectronics: How Much Is Enough?. <i>ACS Applied Energy Materials</i> , 2020, 3, 5385-5392.	5.1	29
46	Stretchable and Transparent Conductive PEDOT:PSS-Based Electrodes for Organic Photovoltaics and Strain Sensors Applications. <i>Advanced Functional Materials</i> , 2020, 30, 2001251.	14.9	88
47	The Growth of Photoactive Porphyrin-Based MOF Thin Films Using the Liquid-Phase Epitaxy Approach and their Optoelectronic Properties. <i>Materials</i> , 2019, 12, 2457.	2.9	11
48	Ligand-Size Related Dimensionality Control in Metal Halide Perovskites. <i>ACS Energy Letters</i> , 2019, 4, 1830-1838.	17.4	38
49	Multi-cation Synergy Suppresses Phase Segregation in Mixed-Halide Perovskites. <i>Joule</i> , 2019, 3, 1746-1764.	24.0	159
50	Compositional Control in 2D Perovskites with Alternating Cations in the Interlayer Space for Photovoltaics with Efficiency over 18%. <i>Advanced Materials</i> , 2019, 31, e1903848.	21.0	171
51	Fine Multi-Phase Alignments in 2D Perovskite Solar Cells with Efficiency over 17% via Slow Post-Annealing. <i>Advanced Materials</i> , 2019, 31, e1903889.	21.0	178
52	Scalable Ambient Fabrication of High-Performance CsPbI_2Br Solar Cells. <i>Joule</i> , 2019, 3, 2485-2502.	24.0	124
53	Interfacial Engineering at the 2D/3D Heterojunction for High-Performance Perovskite Solar Cells. <i>Nano Letters</i> , 2019, 19, 7181-7190.	9.1	163
54	Environmental impact of the production of graphene oxide and reduced graphene oxide. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	55

#	ARTICLE	IF	CITATIONS
55	Impact of the Solvation State of Lead Iodide on Its Two-Step Conversion to MAPbI ₃ : An In Situ Investigation. Advanced Functional Materials, 2019, 29, 1807544.	14.9	45
56	Kinetic Stabilization of the Sol-Gel State in Perovskites Enables Facile Processing of High-Efficiency Solar Cells. Advanced Materials, 2019, 31, e1808357.	21.0	76
57	Lattice anchoring stabilizes solution-processed semiconductors. Nature, 2019, 570, 96-101.	27.8	208
58	Impressive near-infrared brightness and singlet oxygen generation from strategic lanthanide-porphyrin double-decker complexes in aqueous solution. Light: Science and Applications, 2019, 8, 46.	16.6	33
59	Controlled Steric Hindrance Enables Efficient Ligand Exchange for Stable, Infrared-Bandgap Quantum Dot Inks. ACS Energy Letters, 2019, 4, 1225-1230.	17.4	54
60	Bismuth-Based Perovskite-Inspired Solar Cells: In Situ Diagnostics Reveal Similarities and Differences in the Film Formation of Bismuth and Lead-Based Films. Solar Rrl, 2019, 3, 1800305.	5.8	41
61	Conducting and Stretchable PEDOT:PSS Electrodes: Role of Additives on Self-Assembly, Morphology, and Transport. ACS Applied Materials & Interfaces, 2019, 11, 17570-17582.	8.0	72
62	Low-temperature-gradient crystallization for multi-inch high-quality perovskite single crystals for record performance photodetectors. Materials Today, 2019, 22, 67-75.	14.2	204
63	Dynamical Transformation of Two-Dimensional Perovskites with Alternating Cations in the Interlayer Space for High-Performance Photovoltaics. Journal of the American Chemical Society, 2019, 141, 2684-2694.	13.7	189
64	Bistetracene Thin Film Polymorphic Control to Unravel the Effect of Molecular Packing on Charge Transport. Advanced Materials Interfaces, 2018, 5, 1701607.	3.7	14
65	2D matrix engineering for homogeneous quantum dot coupling in photovoltaic solids. Nature Nanotechnology, 2018, 13, 456-462.	31.5	252
66	Phase Transition Control for High Performance Ruddlesden-Popper Perovskite Solar Cells. Advanced Materials, 2018, 30, e1707166.	21.0	244
67	The Impact of Molecular p-Doping on Charge Transport in High-Mobility Small-Molecule/Polymer Blend Organic Transistors. Advanced Electronic Materials, 2018, 4, 1700464.	5.1	63
68	Functional Two-Dimensional Coordination Polymeric Layer as a Charge Barrier in Li-S Batteries. ACS Nano, 2018, 12, 836-843.	14.6	76
69	Hybrid Tandem Quantum Dot/Organic Solar Cells with Enhanced Photocurrent and Efficiency via Ink and Interlayer Engineering. ACS Energy Letters, 2018, 3, 1307-1314.	17.4	40
70	Solution-Processed In ₂ O ₃ /ZnO Heterojunction Electron Transport Layers for Efficient Organic Bulk Heterojunction and Inorganic Colloidal Quantum-Dot Solar Cells. Solar Rrl, 2018, 2, 1800076.	5.8	34
71	Blade-Coated Hybrid Perovskite Solar Cells with Efficiency > 17%: An In Situ Investigation. ACS Energy Letters, 2018, 3, 1078-1085.	17.4	171
72	Stable High-Performance Perovskite Solar Cells via Grain Boundary Passivation. Advanced Materials, 2018, 30, e1706576.	21.0	665

#	ARTICLE	IF	CITATIONS
73	On the Effect of Confinement on the Structure and Properties of Small-Molecular Organic Semiconductors. <i>Advanced Electronic Materials</i> , 2018, 4, 1700308.	5.1	19
74	High performance ambient-air-stable FAPbI ₃ perovskite solar cells with molecule-passivated Ruddlesden-Popper/3D heterostructured film. <i>Energy and Environmental Science</i> , 2018, 11, 3358-3366.	30.8	196
75	Single crystal hybrid perovskite field-effect transistors. <i>Nature Communications</i> , 2018, 9, 5354.	12.8	255
76	Multi-inch single-crystalline perovskite membrane for high-detectivity flexible photosensors. <i>Nature Communications</i> , 2018, 9, 5302.	12.8	212
77	The quantum-confined Stark effect in layered hybrid perovskites mediated by orientational polarizability of confined dipoles. <i>Nature Communications</i> , 2018, 9, 4214.	12.8	61
78	Compositional and orientational control in metal halide perovskites of reduced dimensionality. <i>Nature Materials</i> , 2018, 17, 900-907.	27.5	351
79	Solar Cells: Overcoming the Ambient Manufacturability-Scalability-Performance Bottleneck in Colloidal Quantum Dot Photovoltaics (<i>Adv. Mater.</i> 35/2018). <i>Advanced Materials</i> , 2018, 30, 1870260.	21.0	3
80	Solvent Vapor Annealing: Bistetracene Thin Film Polymorphic Control to Unravel the Effect of Molecular Packing on Charge Transport (<i>Adv. Mater. Interfaces</i> 9/2018). <i>Advanced Materials Interfaces</i> , 2018, 5, 1870040.	3.7	0
81	A 1300 mm ² Ultrahigh-Performance Digital Imaging Assembly using High-Quality Perovskite Single Crystals. <i>Advanced Materials</i> , 2018, 30, e1707314.	21.0	246
82	Overcoming the Ambient Manufacturability-Scalability-Performance Bottleneck in Colloidal Quantum Dot Photovoltaics. <i>Advanced Materials</i> , 2018, 30, e1801661.	21.0	79
83	Contributions of the lead-bromine weighted bands to the occupied density of states of the hybrid tri-bromide perovskites. <i>Applied Physics Letters</i> , 2018, 113, 022101.	3.3	6
84	Highly Efficient Ruddlesden-Popper Halide Perovskite PA ₂ MA ₄ Pb ₅ I ₁₆ Solar Cells. <i>ACS Energy Letters</i> , 2018, 3, 1975-1982.	17.4	135
85	Phase Transition Control for High-Performance Blade-Coated Perovskite Solar Cells. <i>Joule</i> , 2018, 2, 1313-1330.	24.0	180
86	Double Charged Surface Layers in Lead Halide Perovskite Crystals. <i>Nano Letters</i> , 2017, 17, 2021-2027.	9.1	60
87	Perovskite Photovoltaics: Hybrid Perovskite Thin-Film Photovoltaics: In Situ Diagnostics and Importance of the Precursor Solvate Phases (<i>Adv. Mater.</i> 2/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	3
88	Open-Circuit Voltage in Organic Solar Cells: The Impacts of Donor Semicrystallinity and Coexistence of Multiple Interfacial Charge-Transfer Bands. <i>Advanced Energy Materials</i> , 2017, 7, 1601995.	19.5	35
89	Amorphous Tin Oxide as a Low-Temperature-Processed Electron-Transport Layer for Organic and Hybrid Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 11828-11836.	8.0	145
90	Organic Gelators as Growth Control Agents for Stable and Reproducible Hybrid Perovskite-Based Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1602600.	19.5	78

#	ARTICLE	IF	CITATIONS
91	Programmable and coherent crystallization of semiconductors. <i>Science Advances</i> , 2017, 3, e1602462.	10.3	35
92	Hybrid perovskite solar cells: <i>in situ</i> investigation of solution-processed PbI_2 reveals metastable precursors and a pathway to producing porous thin films. <i>Journal of Materials Research</i> , 2017, 32, 1899-1907.	2.6	26
93	Morphology Development in Solution-Processed Functional Organic Blend Films: An <i>In Situ</i> Viewpoint. <i>Chemical Reviews</i> , 2017, 117, 6332-6366.	47.7	145
94	Solution Coating of Superior Large-Area Flexible Perovskite Thin Films with Controlled Crystal Packing. <i>Advanced Optical Materials</i> , 2017, 5, 1700102.	7.3	34
95	Hybrid Doping of Few-Layer Graphene via a Combination of Intercalation and Surface Doping. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20020-20028.	8.0	11
96	Highly Efficient and Reproducible Nonfullerene Solar Cells from Hydrocarbon Solvents. <i>ACS Energy Letters</i> , 2017, 2, 1494-1500.	17.4	89
97	Hybrid tandem quantum dot/organic photovoltaic cells with complementary near infrared absorption. <i>Applied Physics Letters</i> , 2017, 110, 223903.	3.3	23
98	Heterojunction oxide thin-film transistors with unprecedented electron mobility grown from solution. <i>Science Advances</i> , 2017, 3, e1602640.	10.3	148
99	Microwave-synthesized tin oxide nanocrystals for low-temperature solution-processed planar junction organo-halide perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7759-7763.	10.3	45
100	A Solution-Doped Polymer Semiconductor: Insulator Blend for Thermoelectrics. <i>Advanced Science</i> , 2017, 4, 1600203.	11.2	72
101	Facile Doping and Work-Function Modification of Few-Layer Graphene Using Molecular Oxidants and Reductants. <i>Advanced Functional Materials</i> , 2017, 27, 1602004.	14.9	25
102	Enhanced Electrical Conductivity of Molecularly p-Doped Poly(3-hexylthiophene) through Understanding the Correlation with Solid-State Order. <i>Macromolecules</i> , 2017, 50, 8140-8148.	4.8	135
103	Effects of High Temperature and Thermal Cycling on the Performance of Perovskite Solar Cells: Acceleration of Charge Recombination and Deterioration of Charge Extraction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35018-35029.	8.0	62
104	Laser-Printed Organic Thin-Film Transistors. <i>Advanced Materials Technologies</i> , 2017, 2, 1700167.	5.8	17
105	Intermediate-Sized Conjugated Donor Molecules for Organic Solar Cells: Comparison of Benzodithiophene and Benzobisthiazole-Based Cores. <i>Chemistry of Materials</i> , 2017, 29, 7880-7887.	6.7	17
106	Polymer Main-Chain Substitution Effects on the Efficiency of Nonfullerene BHJ Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1700834.	19.5	80
107	Crossover from band-like to thermally activated charge transport in organic transistors due to strain-induced traps. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E6739-E6748.	7.1	77
108	Molecular Doping of the Hole-Transporting Layer for Efficient, Single-Step-Deposited Colloidal Quantum Dot Photovoltaics. <i>ACS Energy Letters</i> , 2017, 2, 1952-1959.	17.4	45

#	ARTICLE	IF	CITATIONS
109	Improved Morphology and Efficiency of n-i-p Planar Perovskite Solar Cells by Processing with Glycol Ether Additives. ACS Energy Letters, 2017, 2, 1960-1968.	17.4	47
110	Stable high efficiency two-dimensional perovskite solar cells via cesium doping. Energy and Environmental Science, 2017, 10, 2095-2102.	30.8	588
111	An automatic window opening system to prevent drowning in vehicles sinking in water. Cogent Engineering, 2017, 4, 1347990.	2.2	5
112	Organic Thin-Film Transistors: Laser-Printed Organic Thin-Film Transistors (Adv. Mater. Technol.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	5.8	0
113	Hybrid organic-inorganic inks flatten the energy landscape in colloidal quantum dot solids. Nature Materials, 2017, 16, 258-263.	27.5	563
114	Hybrid Perovskite Thin-Film Photovoltaics: In Situ Diagnostics and Importance of the Precursor Solvate Phases. Advanced Materials, 2017, 29, 1604113.	21.0	155
115	Reducing the efficiency-stability-cost gap of organic photovoltaics with highly efficient and stable small molecule acceptor ternary solar cells. Nature Materials, 2017, 16, 363-369.	27.5	921
116	Radio Frequency Coplanar ZnO Schottky Nanodiodes Processed from Solution on Plastic Substrates. Small, 2016, 12, 1993-2000.	10.0	48
117	Vertical Phase Separation in Small Molecule:Polymer Blend Organic Thin Film Transistors Can Be Dynamically Controlled. Advanced Functional Materials, 2016, 26, 1737-1746.	14.9	98
118	Thin Film Transistors: Contact-Induced Nucleation in High-Performance Bottom-Contact Organic Thin Film Transistors Manufactured by Large-Area Compatible Solution Processing (Adv. Funct. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	14.0	0
119	Hybrid Modulation-Doping of Solution-Processed Ultrathin Layers of ZnO Using Molecular Dopants. Advanced Materials, 2016, 28, 3952-3959.	21.0	16
120	Electrical limit of silver nanowire electrodes: Direct measurement of the nanowire junction resistance. Applied Physics Letters, 2016, 108, .	3.3	41
121	Ultra-low p-doping of poly(3-hexylthiophene) and its impact on polymer aggregation and photovoltaic performance. Organic Photonics and Photovoltaics, 2016, 4, .	1.3	3
122	Highly efficient polymer solar cells with printed photoactive layer: rational process transfer from spin-coating. Journal of Materials Chemistry A, 2016, 4, 16036-16046.	10.3	57
123	Remote Molecular Doping of Colloidal Quantum Dot Photovoltaics. ACS Energy Letters, 2016, 1, 922-930.	17.4	40
124	Morphology changes upon scaling a high-efficiency, solution-processed solar cell. Energy and Environmental Science, 2016, 9, 2835-2846.	30.8	170
125	Solution-processable MoOx nanocrystals enable highly efficient reflective and semitransparent polymer solar cells. Nano Energy, 2016, 28, 277-287.	16.0	27
126	Donor and Acceptor Unit Sequences Influence Material Performance in Benzo[1,2-a:4,5-b']dithiophene-6,7-difluoroquinoxaline Small Molecule Donors for BHJ Solar Cells. Advanced Functional Materials, 2016, 26, 7103-7114.	14.9	26

#	ARTICLE	IF	CITATIONS
127	The Roles of Structural Order and Intermolecular Interactions in Determining Ionization Energies and Charge-Transfer State Energies in Organic Semiconductors. <i>Advanced Energy Materials</i> , 2016, 6, 1601211.	19.5	45
128	Optoelectronic and photovoltaic properties of the air-stable organohalide semiconductor (CH ₃ NH ₃) ₃ Bi ₂ I ₉ . <i>Journal of Materials Chemistry A</i> , 2016, 4, 12504-12515.	10.3	151
129	Molecular Design of Semiconducting Polymers for High-Performance Organic Electrochemical Transistors. <i>Journal of the American Chemical Society</i> , 2016, 138, 10252-10259.	13.7	270
130	Carrier Transport Enhancement in Conjugated Polymers through Interfacial Self-Assembly of Solution-State Aggregates. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 19649-19657.	8.0	15
131	N-type organic electrochemical transistors with stability in water. <i>Nature Communications</i> , 2016, 7, 13066.	12.8	242
132	Reduced voltage losses yield 10% efficient fullerene free organic solar cells with >1 V open circuit voltages. <i>Energy and Environmental Science</i> , 2016, 9, 3783-3793.	30.8	477
133	Surface Restructuring of Hybrid Perovskite Crystals. <i>ACS Energy Letters</i> , 2016, 1, 1119-1126.	17.4	140
134	Mesostructured Fullerene Electrodes for Highly Efficient n-p Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2016, 1, 1049-1056.	17.4	37
135	Contact-Induced Nucleation in High-Performance Bottom-Contact Organic Thin Film Transistors Manufactured by Large-Area Compatible Solution Processing. <i>Advanced Functional Materials</i> , 2016, 26, 2371-2378.	14.9	71
136	Double-Sided Junctions Enable High-Performance Colloidal-Quantum-Dot Photovoltaics. <i>Advanced Materials</i> , 2016, 28, 4142-4148.	21.0	121
137	KO ⁺ Bu-Initiated Aryl C-H Iodination: A Powerful Tool for the Synthesis of High Electron Affinity Compounds. <i>Journal of the American Chemical Society</i> , 2016, 138, 3946-3949.	13.7	57
138	10-fold enhancement in light-driven water splitting using niobium oxynitride microcone array films. <i>Solar Energy Materials and Solar Cells</i> , 2016, 151, 149-153.	6.2	27
139	Quasi Two-Dimensional Dye-Sensitized In ₂ O ₃ Phototransistors for Ultrahigh Responsivity and Photosensitivity Photodetector Applications. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4894-4902.	8.0	61
140	Ligand-Stabilized Reduced-Dimensionality Perovskites. <i>Journal of the American Chemical Society</i> , 2016, 138, 2649-2655.	13.7	1,157
141	Morphology Changes Upon Scaling a High-Efficiency, Solution-Processed Solar Cell From Spin-Coating to Roll-to-Roll Coating. <i>Energy and Environmental Science</i> , 2016, 9, .	30.8	4
142	Quantum Dots: Overcoming the Cut-Off Charge Transfer Bandgaps at the PbS Quantum Dot Interface (Adv. Funct. Mater. 48/2015). <i>Advanced Functional Materials</i> , 2015, 25, 7548-7548.	14.9	0
143	Photovoltaics: Highly Efficient Hybrid Photovoltaics Based on Hyperbranched Three-Dimensional TiO ₂ Electron Transporting Materials (Adv. Mater. 18/2015). <i>Advanced Materials</i> , 2015, 27, 2814-2814.	21.0	1
144	A Thieno[3,2-b][1]benzothiophene Isoindigo Building Block for Additive- and Annealing-Free High-Performance Polymer Solar Cells. <i>Advanced Materials</i> , 2015, 27, 4702-4707.	21.0	120

#	ARTICLE	IF	CITATIONS
145	Synergistic Impact of Solvent and Polymer Additives on the Film Formation of Small Molecule Blend Films for Bulk Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1501121.	19.5	56
146	A Novel Framework for Visual Detection and Exploration of Performance Bottlenecks in Organic Photovoltaic Solar Cell Materials. <i>Computer Graphics Forum</i> , 2015, 34, 401-410.	3.0	5
147	Toward Additive-Free Small-Molecule Organic Solar Cells: Roles of the Donor Crystallization Pathway and Dynamics. <i>Advanced Materials</i> , 2015, 27, 7285-7292.	21.0	56
148	Overcoming the Cut-Off Charge Transfer Bandgaps at the PbS Quantum Dot Interface. <i>Advanced Functional Materials</i> , 2015, 25, 7435-7441.	14.9	18
149	16.1% Efficient Hysteresis-Free Mesoporous Perovskite Solar Cells Based on Synergistically Improved ZnO Nanorod Arrays. <i>Advanced Energy Materials</i> , 2015, 5, 1500568.	19.5	222
150	Solution-printed organic semiconductor blends exhibiting transport properties on par with single crystals. <i>Nature Communications</i> , 2015, 6, 8598.	12.8	219
151	Bromination of graphene: a new route to making high performance transparent conducting electrodes with low optical losses (Presentation Recording). , 2015, , .		0
152	Signatures of Quantized Energy States in Solution-Processed Ultrathin Layers of Metal-Oxide Semiconductors and Their Devices. <i>Advanced Functional Materials</i> , 2015, 25, 1727-1736.	14.9	36
153	Bromination of Graphene: A New Route to Making High Performance Transparent Conducting Electrodes with Low Optical Losses. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 17692-17699.	8.0	41
154	Impact of Molecular Orientation and Spontaneous Interfacial Mixing on the Performance of Organic Solar Cells. <i>Chemistry of Materials</i> , 2015, 27, 5597-5604.	6.7	40
155	On the relation between chemical composition and optical properties of detonation nanodiamonds. <i>Carbon</i> , 2015, 94, 79-84.	10.3	45
156	Highly efficient organic solar cells based on a robust room-temperature solution-processed copper iodide hole transporter. <i>Nano Energy</i> , 2015, 16, 458-469.	16.0	41
157	Core-shell heterostructured metal oxide arrays enable superior light-harvesting and hysteresis-free mesoscopic perovskite solar cells. <i>Nanoscale</i> , 2015, 7, 12812-12819.	5.6	51
158	Entanglements in marginal solutions: a means of tuning pre-aggregation of conjugated polymers with positive implications for charge transport. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7394-7404.	5.5	75
159	Direct Correlation of Charge Transfer Absorption with Molecular Donor:Acceptor Interfacial Area via Photothermal Deflection Spectroscopy. <i>Journal of the American Chemical Society</i> , 2015, 137, 5256-5259.	13.7	45
160	Polymer Solar Cells with Efficiency >10% Enabled via a Facile Solution-Processed Al-Doped ZnO Electron Transporting Layer. <i>Advanced Energy Materials</i> , 2015, 5, 1500204.	19.5	142
161	Highly Efficient Hybrid Photovoltaics Based on Hyperbranched Three-Dimensional TiO ₂ Electron Transporting Materials. <i>Advanced Materials</i> , 2015, 27, 2859-2865.	21.0	83
162	Dynamics, Miscibility, and Morphology in Polymer:Molecule Blends: The Impact of Chemical Functionality. <i>Chemistry of Materials</i> , 2015, 27, 7643-7651.	6.7	17

#	ARTICLE	IF	CITATIONS
163	High Electron Mobility Thin-Film Transistors Based on Solution-Processed Semiconducting Metal Oxide Heterojunctions and Quasi-Superlattices. <i>Advanced Science</i> , 2015, 2, 1500058.	11.2	134
164	Polymer solar cells with efficiency >10% enabled via a facile solution-processed Al-doped ZnO electron transporting layer (Presentation Recording). , 2015, , .		0
165	Solution-processed inorganic copper(CuSCN) thiocyanate (CuSCN) hole transporting layers for efficient p-n perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20554-20559.	10.3	132
166	Hybrid tandem solar cells with depleted-heterojunction quantum dot and polymer bulk heterojunction subcells. <i>Nano Energy</i> , 2015, 17, 196-205.	16.0	43
167	Comparison of selenophene and thienothiophene incorporation into pentacyclic lactam-based conjugated polymers for organic solar cells. <i>Polymer Chemistry</i> , 2015, 6, 7402-7409.	3.9	6
168	Polytellurophenes provide imaging contrast towards unravelling the structure-property-function relationships in semiconductor:insulator polymer blends. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3767-3773.	5.5	23
169	Solvent-dependent self-assembly and ordering in slow-drying drop-cast conjugated polymer films. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9842-9848.	5.5	23
170	A Au/Cu 2 O-TiO 2 system for photo-catalytic hydrogen production. A pn-junction effect or a simple case of in situ reduction?. <i>Journal of Catalysis</i> , 2015, 322, 109-117.	6.2	114
171	Indium Oxide Thin-Film Transistors Processed at Low Temperature via Ultrasonic Spray Pyrolysis. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 782-790.	8.0	79
172	Efficient Spray-Coated Colloidal Quantum Dot Solar Cells. <i>Advanced Materials</i> , 2015, 27, 116-121.	21.0	139
173	In Situ Morphology Studies of the Mechanism for Solution Additive Effects on the Formation of Bulk Heterojunction Films. <i>Advanced Energy Materials</i> , 2015, 5, 1400975.	19.5	102
174	Highly efficient perovskite solar cells based on a nanostructured $\text{WO}_3\text{-TiO}_2\text{-core-shell}$ electron transporting material. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9051-9057.	10.3	199
175	Organic Semiconductors: Rational Design of Organic Semiconductors for Texture Control and Self-Patterning on Halogenated Surfaces (<i>Adv. Funct. Mater.</i> 32/2014). <i>Advanced Functional Materials</i> , 2014, 24, 5168-5168.	14.9	1
176	Sub-15-nm patterning of asymmetric metal electrodes and devices by adhesion lithography. <i>Nature Communications</i> , 2014, 5, 3933.	12.8	77
177	High-Performance Quantum-Dot Solids via Elemental Sulfur Synthesis. <i>Advanced Materials</i> , 2014, 26, 3513-3519.	21.0	39
178	The Complete In-Gap Electronic Structure of Colloidal Quantum Dot Solids and Its Correlation with Electronic Transport and Photovoltaic Performance. <i>Advanced Materials</i> , 2014, 26, 937-942.	21.0	54
179	One-dimensional self-confinement promotes polymorph selection in large-area organic semiconductor thin films. <i>Nature Communications</i> , 2014, 5, 3573.	12.8	129
180	In situ UV-visible absorption during spin-coating of organic semiconductors: a new probe for organic electronics and photovoltaics. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3373.	5.5	82

#	ARTICLE	IF	CITATIONS
181	Efficient charge generation by relaxed charge-transfer states at organic interfaces. <i>Nature Materials</i> , 2014, 13, 63-68.	27.5	667
182	Double-layered ZnO nanostructures for efficient perovskite solar cells. <i>Nanoscale</i> , 2014, 6, 14674-14678.	5.6	81
183	Photovoltaics: The Complete Inâ€Gap Electronic Structure of Colloidal Quantum Dot Solids and Its Correlation with Electronic Transport and Photovoltaic Performance (Adv. Mater. 6/2014). <i>Advanced Materials</i> , 2014, 26, 822-822.	21.0	1
184	Rational Design of Organic Semiconductors for Texture Control and Selfâ€Patterning on Halogenated Surfaces. <i>Advanced Functional Materials</i> , 2014, 24, 5052-5058.	14.9	43
185	Additive-assisted supramolecular manipulation of polymer:fullerene blend phase morphologies and its influence on photophysical processes. <i>Materials Horizons</i> , 2014, 1, 270-279.	12.2	58
186	Late stage crystallization and healing during spin-coating enhance carrier transport in small-molecule organic semiconductors. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5681-5689.	5.5	58
187	Effect of Solvent Environment on Colloidalâ€Quantumâ€Dot Solarâ€Cell Manufacturability and Performance. <i>Advanced Materials</i> , 2014, 26, 4717-4723.	21.0	86
188	Synthesis of Copper Hydroxide Branched Nanocages and Their Transformation to Copper Oxide. <i>Journal of Physical Chemistry C</i> , 2014, 118, 19374-19379.	3.1	33
189	Characterization of the Polymer Energy Landscape in Polymer:Fullerene Bulk Heterojunctions with Pure and Mixed Phases. <i>Journal of the American Chemical Society</i> , 2014, 136, 14078-14088.	13.7	193
190	Importance of the Donor:Fullerene Intermolecular Arrangement for High-Efficiency Organic Photovoltaics. <i>Journal of the American Chemical Society</i> , 2014, 136, 9608-9618.	13.7	302
191	Air-stable n-type colloidal quantum dot solids. <i>Nature Materials</i> , 2014, 13, 822-828.	27.5	529
192	Efficient inverted bulk-heterojunction solar cells from low-temperature processing of amorphous ZnO buffer layers. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13321.	10.3	113
193	Reâ€evaluating the Role of Sterics and Electronic Coupling in Determining the Openâ€Circuit Voltage of Organic Solar Cells. <i>Advanced Materials</i> , 2013, 25, 6076-6082.	21.0	90
194	Look fast: Crystallization of conjugated molecules during solution shearing probed <i>inâ€situ</i> and in real time by Xâ€ray scattering. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013, 7, 177-179.	2.4	73
195	Influence of substitution on the optical properties of functionalized pentacene monomers and crystals: Experiment and theory. <i>Chemical Physics Letters</i> , 2013, 585, 95-100.	2.6	11
196	Solvent Additive Effects on Small Molecule Crystallization in Bulk Heterojunction Solar Cells Probed During Spin Casting. <i>Advanced Materials</i> , 2013, 25, 6380-6384.	21.0	156
197	A scalable synthesis of highly stable and water dispersible Ag ₄₄ (SR) ₃₀ nanoclusters. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10148.	10.3	74
198	Highâ€Performance ZnO Transistors Processed Via an Aqueous Carbonâ€Free Metal Oxide Precursor Route at Temperatures Between 80â€180 Â°C. <i>Advanced Materials</i> , 2013, 25, 4340-4346.	21.0	156

#	ARTICLE	IF	CITATIONS
199	Hole-Transporting Transistors and Circuits Based on the Transparent Inorganic Semiconductor Copper(I) Thiocyanate (CuSCN) Processed from Solution at Room Temperature. <i>Advanced Materials</i> , 2013, 25, 1504-1509.	21.0	196
200	Spin-Cast Bulk Heterojunction Solar Cells: A Dynamical Investigation. <i>Advanced Materials</i> , 2013, 25, 1923-1929.	21.0	163
201	Solvent Vapor Annealing in the Molecular Regime Drastically Improves Carrier Transport in Small-Molecule Thin-Film Transistors. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 2325-2330.	8.0	44
202	Materials processing strategies for colloidal quantum dot solar cells: advances, present-day limitations, and pathways to improvement. <i>MRS Communications</i> , 2013, 3, 83-90.	1.8	32
203	Electric field-induced hole transport in copper(i) thiocyanate (CuSCN) thin-films processed from solution at room temperature. <i>Chemical Communications</i> , 2013, 49, 4154-4156.	4.1	169
204	The Importance of Fullerene Percolation in the Mixed Regions of Polymer-Fullerene Bulk Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2013, 3, 364-374.	19.5	412
205	The Donor-Supply Electrode Enhances Performance in Colloidal Quantum Dot Solar Cells. <i>ACS Nano</i> , 2013, 7, 6111-6116.	14.6	113
206	Metal-Free, Single-Polymer Device Exhibits Resistive Memory Effect. <i>ACS Nano</i> , 2013, 7, 10518-10524.	14.6	70
207	Heterogeneous Nucleation Promotes Carrier Transport in Solution-Processed Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2013, 23, 291-297.	14.9	46
208	Solar Cells: Re-evaluating the Role of Sterics and Electronic Coupling in Determining the Open-Circuit Voltage of Organic Solar Cells (<i>Adv. Mater.</i> 42/2013). <i>Advanced Materials</i> , 2013, 25, 5990-5990.	21.0	1
209	Entanglement of Conjugated Polymer Chains Influences Molecular Self-Assembly and Carrier Transport. <i>Advanced Functional Materials</i> , 2013, 23, 6024-6035.	14.9	131
210	Hybrid passivated colloidal quantum dot solids. <i>Nature Nanotechnology</i> , 2012, 7, 577-582.	31.5	1,100
211	Spectroscopic and morphological investigation of conjugated photopolymerisable quinquethiophene liquid crystals. <i>Current Applied Physics</i> , 2012, 12, e59-e66.	2.4	4
212	Direct Structural Mapping of Organic Field-Effect Transistors Reveals Bottlenecks to Carrier Transport. <i>Advanced Materials</i> , 2012, 24, 5553-5558.	21.0	70
213	Use of X-Ray Diffraction, Molecular Simulations, and Spectroscopy to Determine the Molecular Packing in a Polymer-Fullerene Bimolecular Crystal. <i>Advanced Materials</i> , 2012, 24, 6071-6079.	21.0	126
214	Diketopyrrolopyrrole-Based Conjugated Copolymer for High-Mobility Organic Field-Effect Transistors. <i>Journal of the American Chemical Society</i> , 2012, 134, 16532-16535.	13.7	339
215	Solution-Processed Small Molecule-Polymer Blend Organic Thin-Film Transistors with Hole Mobility Greater than $5 \text{ cm}^2/\text{Vs}$. <i>Advanced Materials</i> , 2012, 24, 2441-2446.	21.0	219
216	Inorganic passivation and doping control in colloidal quantum dot photovoltaics. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
217	Colloidal-quantum-dot photovoltaics using atomic-ligand passivation. <i>Nature Materials</i> , 2011, 10, 765-771.	27.5	1,375
218	The synthesis and properties of nanoscale ionic materials. <i>Applied Organometallic Chemistry</i> , 2010, 24, 581-589.	3.5	76
219	Phase Separation in Poly(9,9-di-octylfluorene)/Poly(methyl methacrylate) Blends. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 313-320.	2.2	12
220	A New Method to Improve Poly(3-hexyl thiophene) (P3HT) Crystalline Behavior: Decreasing Chains Entanglement To Promote Order~Disorder Transformation in Solution. <i>Langmuir</i> , 2010, 26, 471-477.	3.5	110
221	Solvent vapor annealing of an insoluble molecular semiconductor. <i>Journal of Materials Chemistry</i> , 2010, 20, 2623.	6.7	30
222	Oxygen incorporation and charge donor activation via subplantation during growth of indium tin oxide films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2009, 27, 362-366.	2.1	5
223	Coverage dependent adsorption dynamics in hyperthermal organic thin film growth. <i>Journal of Chemical Physics</i> , 2009, 130, 124701.	3.0	29
224	Organic thin-film transistors of pentacene films fabricated from a supersonic molecular beam source. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 95, 29-35.	2.3	9
225	Ion bombardment-induced enhancement of the properties of indium tin oxide films prepared by plasma-assisted reactive magnetron sputtering. <i>Thin Solid Films</i> , 2009, 517, 4576-4582.	1.8	18
226	Post-deposition reorganization of pentacene films deposited on low-energy surfaces. <i>Journal of Materials Chemistry</i> , 2009, 19, 5580.	6.7	60
227	A plasmonic fluid with dynamically tunable optical properties. <i>Journal of Materials Chemistry</i> , 2009, 19, 8728.	6.7	24
228	Tetrathienoacene Copolymers As High Mobility, Soluble Organic Semiconductors. <i>Journal of the American Chemical Society</i> , 2008, 130, 13202-13203.	13.7	178
229	Real time monitoring of pentacene growth on SiO ₂ from a supersonic source. <i>Applied Physics Letters</i> , 2008, 92, 253304.	3.3	31
230	Interface broadening due to ion mixing during thin film growth at the radio-frequency-biased electrode in a plasma-enhanced chemical vapor deposition environment. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2006, 24, 2061-2069.	2.1	8
231	Stability and effect of annealing on the optical properties of plasma-deposited Ta ₂ O ₅ and Nb ₂ O ₅ films. <i>Thin Solid Films</i> , 2006, 515, 1674-1682.	1.8	97
232	Ion-surface interactions on c-Si(001) at the radiofrequency-powered electrode in low-pressure plasmas: Ex situ spectroscopic ellipsometry and Monte Carlo simulation study. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2006, 24, 45-54.	2.1	5
233	Optical depth profiling of strontium titanate and electro-optic lanthanum-modified lead zirconium titanate multilayer structures for active waveguide applications. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2006, 24, 55-64.	2.1	11
234	Real-time in situ growth study of TiN- and TiC _x Ny-based superhard nanocomposite coatings using spectroscopic ellipsometry. <i>Applied Physics Letters</i> , 2006, 88, 071915.	3.3	12

#	ARTICLE	IF	CITATIONS
235	Dynamics of ion bombardment-induced modifications of Si(001) at the radio-frequency-biased electrode in low-pressure oxygen plasmas: In situ spectroscopic ellipsometry and Monte Carlo study. Journal of Applied Physics, 2006, 100, 063526.	2.5	4
236	Plasma treatment of porous SiNx:H films for the fabrication of porous-dense multilayer optical filters with tailored interfaces. Journal of Applied Physics, 2006, 99, 114315.	2.5	22
237	Correlation between the sp ² -phase nanostructure and the physical properties of unhydrogenated carbon nitride. Journal of Applied Physics, 2005, 98, 044310.	2.5	108
238	Influence of the Microstructure on the Optical Characteristics of SrTiO ₃ thin films. Journal of Materials Research, 2005, 20, 68-74.	2.6	9
239	Growth of vacuum evaporated ultraporous silicon studied with spectroscopic ellipsometry and scanning electron microscopy. Journal of Applied Physics, 2005, 97, 013511.	2.5	55
240	Study of TiO ₂ film growth mechanisms in low-pressure plasma by in situ real-time spectroscopic ellipsometry. Thin Solid Films, 2004, 447-448, 40-45.	1.8	43
241	Mechanical and optical properties of hard SiCN coatings prepared by PECVD. Thin Solid Films, 2004, 447-448, 201-207.	1.8	145
242	Interface engineering during plasma-enhanced chemical vapor deposition of porous/dense SiN _{1.3} optical multilayers. Thin Solid Films, 2004, 469-470, 47-53.	1.8	16
243	Pulsed laser deposition of PLZT films: structural and optical characterization. Applied Surface Science, 2004, 226, 347-354.	6.1	47
244	High Speed Coating Method for Fabricating Organic Solar Cells with PCE>10%. , 0, , .		0
245	In Situ Investigation and Photovoltaic Devices: Sequential Formation of Tunable-Bandgap Mixed-Halide Lead-based Perovskites. , 0, , .		1