

Yueh-Lin Loo

List of Publications by Year in descending order

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191
papers

11,840
citations

26567

56
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30848

102
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194
all docs

194
docs citations

194
times ranked

14237
citing authors

#	ARTICLE	IF	CITATIONS
1	Consensus statement for stability assessment and reporting for perovskite photovoltaics based on ISOS procedures. <i>Nature Energy</i> , 2020, 5, 35-49.	19.8	797
2	Molecular helices as electron acceptors in high-performance bulk heterojunction solar cells. <i>Nature Communications</i> , 2015, 6, 8242.	5.8	525
3	Modes of Crystallization in Block Copolymer Microdomains: A Breakout, Templated, and Confined. <i>Macromolecules</i> , 2002, 35, 2365-2374.	2.2	426
4	Efficient Organic Solar Cells with Helical Perylene Diimide Electron Acceptors. <i>Journal of the American Chemical Society</i> , 2014, 136, 15215-15221.	6.6	414
5	Hybrid Organic-Inorganic Perovskites (HOIPs): Opportunities and Challenges. <i>Advanced Materials</i> , 2015, 27, 5102-5112.	11.1	372
6	Wrinkles and deep folds as photonic structures in photovoltaics. <i>Nature Photonics</i> , 2012, 6, 327-332.	15.6	346
7	Polymer Crystallization Confined in One, Two, or Three Dimensions. <i>Macromolecules</i> , 2001, 34, 8968-8977.	2.2	318
8	Organic transistors with high thermal stability for medical applications. <i>Nature Communications</i> , 2012, 3, 723.	5.8	290
9	Influence of Solvent Coordination on Hybrid Organic-Inorganic Perovskite Formation. <i>ACS Energy Letters</i> , 2018, 3, 92-97.	8.8	273
10	Metastable Dion-Jacobson 2D structure enables efficient and stable perovskite solar cells. <i>Science</i> , 2022, 375, 71-76.	6.0	216
11	Direct determination of the electronic structure of the poly(3-hexylthiophene):phenyl-[6,6]-C61 butyric acid methyl ester blend. <i>Organic Electronics</i> , 2010, 11, 1779-1785.	1.4	211
12	Soft, conformable electrical contacts for organic semiconductors: High-resolution plastic circuits by lamination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 10252-10256.	3.3	198
13	Pairing of near-ultraviolet solar cells with electrochromic windows for smart management of the solar spectrum. <i>Nature Energy</i> , 2017, 2, .	19.8	195
14	Electronic Level Alignment in Inverted Organometal Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2015, 2, 1400532.	1.9	174
15	A hole-transport material that also passivates perovskite surface defects for solar cells with improved efficiency and stability. <i>Energy and Environmental Science</i> , 2020, 13, 4334-4343.	15.6	147
16	Transient photovoltaic behavior of air-stable, inverted organic solar cells with solution-processed electron transport layer. <i>Applied Physics Letters</i> , 2009, 94, 113302.	1.5	145
17	Controlling Nucleation and Crystallization in Solution-Processed Organic Semiconductors for Thin-Film Transistors. <i>Advanced Materials</i> , 2009, 21, 3605-3609.	11.1	141
18	Supersized contorted aromatics. <i>Chemical Science</i> , 2013, 4, 2018.	3.7	141

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19	It's time to focus on organic solar cell stability. <i>Nature Energy</i> , 2020, 5, 947-949.	19.8	138
20	Improving the electrical conductivity of polymer acid-doped polyaniline by controlling the template molecular weight. <i>Journal of Materials Chemistry</i> , 2007, 17, 1268.	6.7	131
21	Nanoscale organic transistors that use source/drain electrodes supported by high resolution rubber stamps. <i>Applied Physics Letters</i> , 2003, 82, 793-795.	1.5	129
22	Directly patternable, highly conducting polymers for broad applications in organic electronics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5712-5717.	3.3	127
23	Using Self-Organization To Control Morphology in Molecular Photovoltaics. <i>Journal of the American Chemical Society</i> , 2013, 135, 2207-2212.	6.6	126
24	Polymer Acid Doped Polyaniline Is Electrochemically Stable Beyond pH 9. <i>Chemistry of Materials</i> , 2009, 21, 280-286.	3.2	121
25	Accelerated aging of all-inorganic, interface-stabilized perovskite solar cells. <i>Science</i> , 2022, 377, 307-310.	6.0	121
26	Solvent-dependent electrical characteristics and stability of organic thin-film transistors with drop cast bis(triisopropylsilylethynyl) pentacene. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	116
27	Structural Origins for Tunable Open-Circuit Voltage in Ternary Blend Organic Solar Cells. <i>Advanced Functional Materials</i> , 2015, 25, 5557-5563.	7.8	115
28	Accessing Highly Oriented Two-Dimensional Perovskite Films via Solvent-Vapor Annealing for Efficient and Stable Solar Cells. <i>Nano Letters</i> , 2020, 20, 8880-8889.	4.5	114
29	An Electron-Conducting Cross-Linked Polyaniline-Based Redox Hydrogel, Formed in One Step at pH 7.2, Wires Glucose Oxidase. <i>Journal of the American Chemical Society</i> , 2007, 129, 7006-7007.	6.6	110
30	From Monolayer to Multilayer Na-Channel Polymeric Field-Effect Transistors with Precise Conformational Order. <i>Advanced Materials</i> , 2012, 24, 951-956.	11.1	109
31	Progress and Challenges in Commercialization of Organic Electronics. <i>MRS Bulletin</i> , 2008, 33, 653-662.	1.7	105
32	Electrical Stress Influences the Efficiency of $\text{CH}_3\text{NH}_3\text{PbI}_3$ Perovskite Light Emitting Devices. <i>Advanced Materials</i> , 2017, 29, 1605317.	11.1	105
33	Advancing 2D Perovskites for Efficient and Stable Solar Cells: Challenges and Opportunities. <i>Advanced Materials</i> , 2022, 34, e2105849.	11.1	104
34	Striking the right balance of intermolecular coupling for high-efficiency singlet fission. <i>Chemical Science</i> , 2018, 9, 6240-6259.	3.7	97
35	Tuning Polymorphism and Orientation in Organic Semiconductor Thin Films via Post-deposition Processing. <i>Journal of the American Chemical Society</i> , 2014, 136, 15749-15756.	6.6	89
36	Mayer Bond Order as a Metric of Complexation Effectiveness in Lead Halide Perovskite Solutions. <i>Chemistry of Materials</i> , 2017, 29, 2435-2444.	3.2	82

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37	Polyethylene Crystal Orientation Induced by Block Copolymer Cylinders. <i>Macromolecules</i> , 2000, 33, 8361-8366.	2.2	80
38	Assessing the Huangâ€“Brown Description of Tie Chains for Charge Transport in Conjugated Polymers. <i>ACS Macro Letters</i> , 2018, 7, 1333-1338.	2.3	79
39	Enhanced Chargeâ€“Carrier Injection and Collection Via Lamination of Doped Polymer Layers pâ€“Doped with a Solutionâ€“Processible Molybdenum Complex. <i>Advanced Functional Materials</i> , 2014, 24, 2197-2204.	7.8	77
40	Influence of Bulky Organoâ€“Ammonium Halide Additive Choice on the Flexibility and Efficiency of Perovskite Lightâ€“Emitting Devices. <i>Advanced Functional Materials</i> , 2018, 28, 1802060.	7.8	76
41	Altering the Thermodynamics of Phase Separation in Inverted Bulkâ€“Heterojunction Organic Solar Cells. <i>Advanced Materials</i> , 2009, 21, 3110-3115.	11.1	75
42	Directing the film structure of organic semiconductors via post-deposition processing for transistor and solar cell applications. <i>Energy and Environmental Science</i> , 2014, 7, 592-608.	15.6	75
43	The Polymer Physics of Multiscale Charge Transport in Conjugated Systems. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 1559-1571.	2.4	73
44	Structural Complexities in the Active Layers of Organic Electronics. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2010, 1, 59-78.	3.3	72
45	Device Characteristics of Bulk-Heterojunction Polymer Solar Cells are Independent of Interfacial Segregation of Active Layers. <i>Chemistry of Materials</i> , 2011, 23, 2020-2023.	3.2	71
46	Extending the Photovoltaic Response of Perovskite Solar Cells into the Nearâ€“Infrared with a Narrowâ€“Bandgap Organic Semiconductor. <i>Advanced Materials</i> , 2019, 31, e1904494.	11.1	71
47	Oxidation of silver electrodes induces transition from conventional to inverted photovoltaic characteristics in polymer solar cells. <i>Applied Physics Letters</i> , 2009, 95, 183301.	1.5	69
48	Small-Molecule Thiophene-C ₆₀ Dyads As Compatibilizers in Inverted Polymer Solar Cells. <i>Chemistry of Materials</i> , 2010, 22, 5762-5773.	3.2	68
49	Phase behavior and viscoelastic properties of entangled block copolymer gels. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001, 39, 2183-2197.	2.4	67
50	Direct patterning of conductive water-soluble polyaniline for thin-film organic electronics. <i>Applied Physics Letters</i> , 2005, 86, 074102.	1.5	65
51	Timeâ€“Dependent Mechanical Response of APbX ₃ (A = Cs, CH ₃ NH ₃ ; X) Tj EQq1 1 0.784314 11.1 63	11.1	63
52	Guiding Crystallization around Bends and Sharp Corners. <i>Advanced Materials</i> , 2012, 24, 2692-2698.	11.1	62
53	Solvent-type-dependent polymorphism and charge transport in a long fused-ring organic semiconductor. <i>Nanoscale</i> , 2014, 6, 449-456.	2.8	59
54	Pyridalthiadiazole acceptor-functionalized triarylboranes with multi-responsive optoelectronic characteristics. <i>Chemical Science</i> , 2017, 8, 5497-5505.	3.7	58

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55	Large-area patterning of a solution-processable organic semiconductor to reduce parasitic leakage and off currents in thin-film transistors. <i>Applied Physics Letters</i> , 2007, 90, 244103.	1.5	56
56	Face-on stacking and enhanced out-of-plane hole mobility in graphene-templated copper phthalocyanine. <i>Chemical Communications</i> , 2014, 50, 5319-5321.	2.2	56
57	Solution-processable, crystalline material for quantitative singlet fission. <i>Materials Horizons</i> , 2017, 4, 915-923.	6.4	56
58	Halogenation of a Nonplanar Molecular Semiconductor to Tune Energy Levels and Bandgaps for Electron Transport. <i>Chemistry of Materials</i> , 2015, 27, 1892-1900.	3.2	55
59	Tuning the Morphology of All-Polymer OPVs through Altering Polymer-Solvent Interactions. <i>Chemistry of Materials</i> , 2014, 26, 5020-5027.	3.2	54
60	Solvent-Dependent Assembly of Terphenyl- and Quaterphenyldithiol on Gold and Gallium Arsenide. <i>Langmuir</i> , 2005, 21, 5887-5893.	1.6	53
61	Bi ₂ S ₃ nanowire networks as electron acceptor layers in solution-processed hybrid solar cells. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2686-2692.	2.7	53
62	Ambipolar Transport in Solution-Synthesized Graphene Nanoribbons. <i>ACS Nano</i> , 2016, 10, 4847-4856.	7.3	52
63	Narrowing the size distribution of the polymer acid improves PANI conductivity. <i>Journal of Materials Chemistry</i> , 2008, 18, 3129.	6.7	51
64	Engineering the organic semiconductor-electrode interface in polymer solar cells. <i>Journal of Materials Chemistry</i> , 2010, 20, 6604.	6.7	51
65	A Highly Regular Hexagonally Perforated Lamellar Structure in a Quiescent Diblock Copolymer. <i>Macromolecules</i> , 2005, 38, 4947-4949.	2.2	50
66	Post-deposition Processing Methods To Induce Preferential Orientation in Contorted Hexabenzocoronene Thin Films. <i>ACS Nano</i> , 2013, 7, 294-300.	7.3	50
67	Atom Transfer Radical Copolymerization of Hydroxyethyl Methacrylate and Dimethylaminoethyl Methacrylate in Polar Solvents. <i>Macromolecules</i> , 2006, 39, 8609-8615.	2.2	49
68	Polar-Electrode-Bridged Electroluminescent Displays: 2D Sensors Remotely Communicating Optically. <i>Advanced Materials</i> , 2017, 29, 1703552.	11.1	49
69	Quantifying Resistances across Nanoscale Low- and High-Angle Interspherulite Boundaries in Solution-Processed Organic Semiconductor Thin Films. <i>ACS Nano</i> , 2012, 6, 9879-9886.	7.3	48
70	Crystallization Within Block Copolymer Mesophases. , 0, , 213-243.		46
71	Elucidating the nanoscale origins of organic electronic function by conductive atomic force microscopy. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3118-3128.	2.7	46
72	Cobaltocene-Doped Viologen as Functional Components in Organic Electronics. <i>Chemistry of Materials</i> , 2009, 21, 4583-4588.	3.2	45

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73	Reversible Soft-Contact Lamination and Delamination for Non-Invasive Fabrication and Characterization of Bulk-Heterojunction and Bilayer Organic Solar Cells. <i>Chemistry of Materials</i> , 2010, 22, 4931-4938.	3.2	45
74	Orientation-Independent Charge Transport in Single Spherulites from Solution-Processed Organic Semiconductors. <i>Journal of the American Chemical Society</i> , 2012, 134, 5436-5439.	6.6	45
75	Solution-processable organic semiconductors for thin-film transistors: Opportunities for chemical engineers. <i>AIChE Journal</i> , 2007, 53, 1066-1074.	1.8	44
76	Electronic structure of the poly(3-hexylthiophene):indene-C60 bisadduct bulk heterojunction. <i>Journal of Applied Physics</i> , 2011, 110, 043719.	1.1	44
77	High Performance OTFTs Fabricated Using a Calamitic Liquid Crystalline Material of 2-(4-Dodecyl) Tj ETQq1 1 0.784314 rgBT /Overlo	2.6	44
78	Determination of the Molecular Weight of Conjugated Polymers with Diffusion-Ordered NMR Spectroscopy. <i>Chemistry of Materials</i> , 2018, 30, 570-576.	3.2	44
79	Unusual Molecular Conformations in Fluorinated, Contorted Hexabenzocoronenes. <i>Organic Letters</i> , 2010, 12, 4840-4843.	2.4	42
80	Understanding Polymorph Transformations in Core-Chlorinated Naphthalene Diimides and their Impact on Thin-Film Transistor Performance. <i>Advanced Functional Materials</i> , 2016, 26, 2357-2364.	7.8	42
81	Establishing Efficient Electrical Contact to the Weak Crystals of Triethylsilylethynyl Anthradithiophene. <i>Chemistry of Materials</i> , 2007, 19, 5210-5215.	3.2	39
82	Tuning Contact Recombination and Open-Circuit Voltage in Polymer Solar Cells via Self-Assembled Monolayer Adsorption at the Organic-Metal Oxide Interface. <i>Journal of Physical Chemistry C</i> , 2013, 117, 20474-20484.	1.5	39
83	Temperature-Dependent Electrical Transport in Polymer-Sorted Semiconducting Carbon Nanotube Networks. <i>Advanced Functional Materials</i> , 2015, 25, 105-110.	7.8	39
84	Isomerically pure electron-deficient anthradithiophenes and their acceptor performance in polymer solar cells. <i>Chemical Communications</i> , 2011, 47, 7617.	2.2	38
85	Supramolecular Order of Solution-Processed Perylenediimide Thin Films: High-Performance Small-Channel n-Type Organic Transistors. <i>Advanced Functional Materials</i> , 2011, 21, 4479-4486.	7.8	38
86	Sulfur-Donor Solvents Strongly Coordinate Pb ²⁺ in Hybrid Organic-Inorganic Perovskite Precursor Solutions. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14496-14502.	1.5	38
87	Controlled Radical Polymerization and Copolymerization of 5-Methylene-2-phenyl-1,3-dioxolan-4-one by ATRP. <i>Macromolecules</i> , 2005, 38, 5581-5586.	2.2	36
88	Donor-Acceptor Interfacial Interactions Dominate Device Performance in Hybrid P3HT-ZnO Nanowire Array Solar Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1400585.	10.2	36
89	Ultra-low- $\hat{\eta}$ materials derived from poly(d,l-lactide-b-pentafluorostyrene) diblock copolymers. <i>Journal of Materials Chemistry</i> , 2008, 18, 530-536.	6.7	35
90	Dynamics of a Thermoreversible Transition between Cylindrical and Hexagonally Perforated Lamellar Mesophases. <i>Macromolecules</i> , 2005, 38, 7098-7104.	2.2	34

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91	Influence of heteroatoms on the charge mobility of anthracene derivatives. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3517-3522.	2.7	34
92	Contorted Hexabenzocoronenes with Extended Heterocyclic Moieties Improve Visible-Light Absorption and Performance in Organic Solar Cells. <i>Chemistry of Materials</i> , 2016, 28, 673-681.	3.2	34
93	Revealing the Full Charge Transfer State Absorption Spectrum of Organic Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1601001.	10.2	33
94	[<i>d</i>]-Carbonâ€“carbon double bond engineering in diazaphosphepines: a pathway to modulate the chemical and electronic structures of heteropines. <i>Chemical Science</i> , 2016, 7, 4211-4219.	3.7	33
95	Acid-Catalyzed Reactions Activate DMSO as a Reagent in Perovskite Precursor Inks. <i>Chemistry of Materials</i> , 2019, 31, 2114-2120.	3.2	33
96	Polyaniline Exhibiting Stable and Reversible Switching in the Visible Extending into the Near-IR in Aqueous Media. <i>Chemistry of Materials</i> , 2010, 22, 2333-2340.	3.2	32
97	Direct imaging of polyethylene crystallites within block copolymer microdomains. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000, 38, 2564-2570.	2.4	31
98	Azeotropic Atom Transfer Radical Polymerization of Hydroxyethyl Methacrylate and (Dimethylamino)ethyl Methacrylate Statistical Copolymers and Block Copolymers with Polystyrene. <i>Macromolecules</i> , 2006, 39, 2474-2480.	2.2	31
99	Polymer Conductivity through Particle Connectivity. <i>Chemistry of Materials</i> , 2009, 21, 1948-1954.	3.2	30
100	The Diffraction Pattern Calculator (DPC) toolkit: a user-friendly approach to unit-cell lattice parameter identification of two-dimensional grazing-incidence wide-angle X-ray scattering data. <i>Journal of Applied Crystallography</i> , 2014, 47, 2090-2099.	1.9	30
101	pH Response of Model Diblock and Triblock Copolymer Networks Containing Polystyrene and Poly(2-hydroxyethyl methacrylate-co-2-(dimethylamino)ethyl methacrylate). <i>Macromolecules</i> , 2008, 41, 4390-4397.	2.2	29
102	Structureâ€“Property Relationship Study of Substitution Effects on Isoindigo-Based Model Compounds as Electron Donors in Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 14533-14542.	4.0	29
103	Impact of a Low Concentration of Dopants on the Distribution of Gap States in a Molecular Semiconductor. <i>Chemistry of Materials</i> , 2016, 28, 2677-2684.	3.2	29
104	Crystalline Intermediates and Their Transformation Kinetics during the Formation of Methylammonium Lead Halide Perovskite Thin Films. <i>Chemistry of Materials</i> , 2016, 28, 9041-9048.	3.2	29
105	Presence of Short Intermolecular Contacts Screens for Kinetic Stability in Packing Polymorphs. <i>Journal of the American Chemical Society</i> , 2018, 140, 7519-7525.	6.6	29
106	The Emerging Role of Halogen Bonding in Hybrid Perovskite Photovoltaics. <i>Chemistry of Materials</i> , 2022, 34, 2495-2502.	3.2	29
107	Isoindigo-Containing Molecular Semiconductors: Effect of Backbone Extension on Molecular Organization and Organic Solar Cell Performance. <i>Chemistry of Materials</i> , 2014, 26, 6570-6577.	3.2	28
108	An all-conjugated gradient copolymer approach for morphological control of polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20174-20184.	5.2	28

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109	Influence of gradient strength and composition profile on the onset of the cloud point transition in hydroxyethyl methacrylate/dimethylaminoethyl methacrylate gradient copolymers. <i>Polymer</i> , 2012, 53, 1131-1137.	1.8	26
110	Formation of Organic Alloys in Ternary-Blend Solar Cells with Two Acceptors Having Energy-Level Offsets Exceeding 0.4 eV. <i>ACS Energy Letters</i> , 2017, 2, 2149-2156.	8.8	26
111	Understanding Heterogeneous Nucleation in Binary, Solution-Processed, Organic Semiconductor Thin Films. <i>Chemistry of Materials</i> , 2012, 24, 2920-2928.	3.2	25
112	Cloud point suppression in dilute solutions of model gradient copolymers with prespecified composition profiles. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 629-637.	2.4	24
113	Phase behavior of gradient copolymer solutions: a Monte Carlo simulation study. <i>Soft Matter</i> , 2012, 8, 6471.	1.2	24
114	Tail State-Assisted Charge Injection and Recombination at the Electron-Collecting Interface of P3HT:PCBM Bulk-Heterojunction Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2012, 2, 1447-1455.	10.2	24
115	Quantifying the Energy Barriers and Elucidating the Charge Transport Mechanisms across Interspherulite Boundaries in Solution-Processed Organic Semiconductor Thin Films. <i>Advanced Functional Materials</i> , 2015, 25, 5662-5668.	7.8	24
116	Understanding the Crystal Packing and Organic Thin-Film Transistor Performance in Isomeric Guest-Host Systems. <i>Advanced Materials</i> , 2017, 29, 1700048.	11.1	24
117	Impact of Atomistic Substitution on Thin-Film Structure and Charge Transport in a Germanyl-ethynyl Functionalized Pentacene. <i>Chemistry of Materials</i> , 2019, 31, 6615-6623.	3.2	24
118	Mesostructures of Polyaniline Films Affect Polyelectrochromic Switching. <i>Chemistry of Materials</i> , 2011, 23, 4402-4409.	3.2	23
119	Benzo[1,2-b:6,5-b']dithiophene(dithiazole)-4,5-dione derivatives: synthesis, electronic properties, crystal packing and charge transport. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1467.	2.7	23
120	Band-Like Charge Photogeneration at a Crystalline Organic Donor/Acceptor Interface. <i>Advanced Energy Materials</i> , 2018, 8, 1701494.	10.2	23
121	Sputtered ZnO seed layer enhances photovoltaic behavior in hybrid ZnO/P3HT solar cells. <i>Organic Electronics</i> , 2013, 14, 3477-3483.	1.4	22
122	Computationally aided design of a high-performance organic semiconductor: the development of a universal crystal engineering core. <i>Chemical Science</i> , 2019, 10, 10543-10549.	3.7	22
123	Enhancing the Thermal Stability of Organic Field-Effect Transistors by Electrostatically Interlocked 2D Molecular Packing. <i>Chemistry of Materials</i> , 2018, 30, 3638-3642.	3.2	21
124	Gap States in Methylammonium Lead Halides: The Link to Dimethylsulfoxide?. <i>Advanced Materials</i> , 2020, 32, e2003482.	11.1	21
125	Unraveling the Elastic Properties of (Quasi)Two-Dimensional Hybrid Perovskites: A Joint Experimental and Theoretical Study. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 17881-17892.	4.0	21
126	The Role of Tie Chains on the Mechano-Electrical Properties of Semiconducting Polymer Films. <i>Advanced Electronic Materials</i> , 2020, 6, 1901070.	2.6	21

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127	Sequence of annealing polymer photoactive layer influences the air stability of inverted solar cells. <i>Organic Electronics</i> , 2009, 10, 1483-1488.	1.4	19
128	Role of Postdeposition Thermal Annealing on Intracrystallite and Intercrystallite Structuring and Charge Transport in Poly(3-hexylthiophene). <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 999-1007.	4.0	19
129	Near-monodispersed polyaniline particles through template synthesis and simultaneous doping with diblock copolymers of PMA and PAAMPSA. <i>Journal of Materials Chemistry</i> , 2008, 18, 5835.	6.7	18
130	Modular construction of P3HT/PCBM planar-heterojunction solar cells by lamination allows elucidation of processingâ€‘structureâ€‘function relationships. <i>Organic Electronics</i> , 2011, 12, 1963-1972.	1.4	18
131	Eliminating Piezoresistivity in Flexible Conducting Polymers for Accurate Temperature Sensing under Dynamic Mechanical Deformations. <i>Small</i> , 2016, 12, 2832-2838.	5.2	17
132	Additive Growth and Crystallization of Polymer Films. <i>Macromolecules</i> , 2016, 49, 2860-2867.	2.2	17
133	Deprotecting Thioacetyl-Terminated Terphenyldithiol for Assembly on Gallium Arsenide. <i>Langmuir</i> , 2008, 24, 851-856.	1.6	16
134	Temperature-induced ordering and gelation of star micelles based on ABA triblocks synthesized via aqueous RAFT polymerization. <i>Soft Matter</i> , 2009, 5, 2179.	1.2	16
135	Altering the Polymorphic Accessibility of Polycyclic Aromatic Hydrocarbons with Fluorination. <i>Chemistry of Materials</i> , 2017, 29, 4311-4316.	3.2	16
136	A charge transfer framework that describes supramolecular interactions governing structure and properties of 2D perovskites. <i>Nature Communications</i> , 2022, 13, .	5.8	16
137	Electronic structure and carrier transport at laminated polymer homojunctions. <i>Organic Electronics</i> , 2013, 14, 149-155.	1.4	15
138	Precursor Solution Annealing Forms Cubicâ€‘Phase Perovskite and Improves Humidity Resistance of Solar Cells. <i>Advanced Functional Materials</i> , 2018, 28, 1801508.	7.8	15
139	The Effects of Chromophore Halogenation on the Stability of UVâ€‘Absorbing Organic Solar Cells. <i>Advanced Energy Materials</i> , 2021, 11, 2100225.	10.2	15
140	Reversible Phase Transformations in Concentrated Aqueous Block Copolymer Solutions of Poly(methyl acrylate)- <i>b</i> -poly(hydroxyethyl methacrylate- <i>co</i> -dimethylaminoethyl) Tj ETQq0 0 0 rgBT /Overlock 10.4f 50 217	10.4	15
141	Annealing Sequence Dependent Open-Circuit Voltage of Inverted Polymer Solar Cells Attributable to Interfacial Chemical Reaction between Top Electrodes and Photoactive Layers. <i>Langmuir</i> , 2011, 27, 11265-11271.	1.6	14
142	Semiconducting SWNTs sorted by polymer wrapping: How pure are they?. <i>Applied Physics Letters</i> , 2018, 112, 072106.	1.5	14
143	Photocurrent in Metal-Halide Perovskite/Organic Semiconductor Heterostructures: Impact of Microstructure on Charge Generation Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 10231-10238.	4.0	14
144	Design of UV-Absorbing Donor Molecules for Nearly Imperceptible Organic Solar Cells. <i>ACS Energy Letters</i> , 2022, 7, 180-188.	8.8	14

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145	Tuning kinetic competitions to traverse the rich structural space of organic semiconductor thin films. <i>MRS Communications</i> , 2015, 5, 407-421.	0.8	13
146	Low-carbon "drop-in replacement" transportation fuels from non-food biomass and natural gas. <i>Applied Energy</i> , 2016, 183, 1722-1730.	5.1	13
147	Beyond Doping and Charge Balancing: How Polymer Acid Templates Impact the Properties of Conducting Polymer Complexes. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4530-4539.	2.1	13
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