Thomas P Russell

List of Publications by Year
in descending order

991	88,420	219	693
papers	citations	146 h-index	253 g-index

1013	1013	1013	45449
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	3D effects in two-phase steady-state tests. Journal of Petroleum Science and Engineering, 2022, 208, 109533.	4.2	4
2	Nanoparticle/Polyelectrolyte Complexes for Biomimetic Constructs. Advanced Functional Materials, 2022, 32, 2108895.	14.9	14
3	Analytical solution for large-deposit non-linear reactive flows in porous media. Chemical Engineering Journal, 2022, 430, 132812.	12.7	3
4	Manipulating the Crystalline Morphology in the Nonfullerene Acceptor Mixture to Improve the Carrier Transport and Suppress the Energetic Disorder. Small Science, 2022, 2, 2100092.	9.9	5
5	Hysteresisâ€Free Nanoparticleâ€Reinforced Hydrogels. Advanced Materials, 2022, 34, e2108243.	21.0	92
6	Layerâ€byâ€Layer Engineered Allâ€Liquid Microfluidic Chips for Enzyme Immobilization. Advanced Materials, 2022, 34, e2105386.	21.0	29
7	Continuous, autonomous subsurface cargo shuttling by nature-inspired meniscus-climbing systems. Nature Chemistry, 2022, 14, 208-215.	13.6	14
8	Visualizing Assembly Dynamics of Allâ€Liquid 3D Architectures. Small, 2022, 18, e2105017.	10.0	6
9	A simple, efficient route to modify the properties of epoxy dynamic polymer networks. Soft Matter, 2022, 18, 382-389.	2.7	4
10	The Assembly and Jamming of Nanoparticle Surfactants at Liquidâ€“Liquid Interfaces. Angewandte Chemie - International Edition, 2022, 61, .	13.8	22
11	Chemical Polishing of Perovskite Surface Enhances Photovoltaic Performances. Journal of the American Chemical Society, 2022, 144, 1700-1708.	13.7	88
12	The Assembly and Jamming of Nanoparticle Surfactants at Liquidâ€“Liquid Interfaces. Angewandte Chemie, 2022, 134, .	2.0	18
13	Zwitterionic Ammonium Sulfonate Polymers: Synthesis and Properties in Fluids. Macromolecular Rapid Communications, 2022, 43, e2100678.	3.9	4
14	Visualizing Assembly Dynamics of Allâ€Liquid 3D Architectures (Small 6/2022). Small, 2022, 18, .	10.0	2
15	Interfacial Assembly of Graphene Oxide: From Super Elastic Interfaces to Liquidâ€inâ€Liquid Printing. Advanced Materials Interfaces, 2022, 9, .	3.7	15
16	Electroactive Ionenes: Efficient Interlayer Materials in Organic Photovoltaics. Accounts of Chemical Research, 2022, 55, 1097-1108.	15.6	17
17	Interfacial Assembly of Graphene Oxide: From Super Elastic Interfaces to Liquidâ€inâ€Liquid Printing (Adv.) Tj ETQq1 1 0.784314 rgBT	3.7	1
18	Structured-Liquid Batteries. Journal of the American Chemical Society, 2022, 144, 3979-3988.	13.7	11

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19	Dynamic Reconfiguration of Compressed 2D Nanoparticle Monolayers. ACS Nano, 2022, 16, 5496-5506.	14.6	9
20	Reconfiguration and Reorganization of Bottlebrush Polymer Surfactants. Angewandte Chemie - International Edition, 2022, 61, .	13.8	14
21	In Situ Hydrolysis of Block Copolymers at the Waterâ€Oil Interface. Angewandte Chemie - International Edition, 2022, 61, .	13.8	6
22	Polyoxometalateâ€Surfactant Assemblies: Responsiveness to Orthogonal Stimuli. Angewandte Chemie, 2022, 134, .	2.0	4
23	Polyoxometalateâ€Surfactant Assemblies: Responsiveness to Orthogonal Stimuli. Angewandte Chemie - International Edition, 2022, 61, .	13.8	29
24	Reconfigurable structured liquids. , 2022, 1, 100013.		15
25	Relaxation and Aging of Nanosphere Assemblies at a Waterâ€“Oil Interface. ACS Nano, 2022, 16, 8967-8973.	14.6	7
26	Reconfigurable Liquids Constructed by Pillar[6]areneâ€Based Nanoparticle Surfactants. Angewandte Chemie, 2022, 134, .	2.0	2
27	Reconfigurable Liquids Constructed by Pillar[6]areneâ€Based Nanoparticle Surfactants. Angewandte Chemie - International Edition, 2022, 61, .	13.8	9
28	High-Performance 1 cm² Perovskite-Organic Tandem Solar Cells with a Solvent-Resistant and Thickness-Insensitive Interconnecting Layer. ACS Applied Materials & Interfaces, 2022, 14, 29896-29904.	8.0	3
29	Shape-Reconfigurable Ferrofluids. Nano Letters, 2022, 22, 5538-5543.	9.1	13
30	Unexpected Elasticity in Assemblies of Glassy Supraâ€Nanoparticle Clusters. Angewandte Chemie, 2021, 133, 4944-4950.	2.0	7
31	Bifunctional Bisâ€benzophenone as A Solid Additive for Nonâ€Fullerene Solar Cells. Advanced Functional Materials, 2021, 31, 2008699.	14.9	13
32	Unexpected Elasticity in Assemblies of Glassy Supraâ€Nanoparticle Clusters. Angewandte Chemie - International Edition, 2021, 60, 4894-4900.	13.8	34
33	Polymers with advanced architectures as emulsifiers for multi-functional emulsions. Materials Chemistry Frontiers, 2021, 5, 1205-1220.	5.9	23
34	Surfactantâ€Induced Interfacial Aggregation of Porphyrins for Structuring Colorâ€Tunable Liquids. Angewandte Chemie, 2021, 133, 2907-2912.	2.0	4
35	Uncertainties associated with laboratory-based predictions of well index and formation damage. Measurement: Journal of the International Measurement Confederation, 2021, 170, 108731.	5.0	2
36	Dichlorinated Dithienyletheneâ€Based Copolymers for Airâ€Stable nâ€Type Conductivity and Thermoelectricity. Advanced Functional Materials, 2021, 31, 2005901.	14.9	50

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37	Surfactantâ€Induced Interfacial Aggregation of Porphyrins for Structuring Colorâ€Tunable Liquids. Angewandte Chemie - International Edition, 2021, 60, 2871-2876.	13.8	13
38	Nanoparticle surfactants and structured liquids. Colloid and Polymer Science, 2021, 299, 523-536.	2.1	28
39	Buried Interfaces in Halide Perovskite Photovoltaics. Advanced Materials, 2021, 33, e2006435.	21.0	214
40	Manipulating the Crystallization Kinetics by Additive Engineering toward Highâ€Efficient Photovoltaic Performance. Advanced Functional Materials, 2021, 31, 2009103.	14.9	20
41	Ferromagnetic liquid droplets with adjustable magnetic properties. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	14
42	Using Preformed Meisenheimer Complexes as Dopants for nâ€Type Organic Thermoelectrics with High Seebeck Coefficients and Power Factors. Advanced Functional Materials, 2021, 31, 2010567.	14.9	28
43	Solvent-Induced Assembly of Microbial Protein Nanowires into Superstructured Bundles. Biomacromolecules, 2021, 22, 1305-1311.	5.4	6
44	Nanomechanical and Chemical Mapping of the Structure and Interfacial Properties in Immiscible Ternary Polymer Systems. Chinese Journal of Polymer Science (English Edition), 2021, 39, 651-658.	3.8	4
45	Interfacial Reaction Induced Disruption and Dissolution of Dynamic Polymer Networks. Macromolecular Rapid Communications, 2021, 42, 2100023.	3.9	5
46	Redox-Responsive, Reconfigurable All-Liquid Constructs. Journal of the American Chemical Society, 2021, 143, 3719-3722.	13.7	53
47	Visualizing Interfacial Jamming Using an Aggregationâ€Inducedâ€Emission Molecular Reporter. Angewandte Chemie, 2021, 133, 8776-8781.	2.0	4
48	Highâ€Efficiency Organic Photovoltaics using Eutectic Acceptor Fibrils to Achieve Current Amplification. Advanced Materials, 2021, 33, e2007177.	21.0	111
49	Visualizing Interfacial Jamming Using an Aggregationâ€Inducedâ€Emission Molecular Reporter. Angewandte Chemie - International Edition, 2021, 60, 8694-8699.	13.8	20
50	Near-complete depolymerization of polyesters with nano-dispersed enzymes. Nature, 2021, 592, 558-563.	27.8	129
51	Dielectric screening in perovskite photovoltaics. Nature Communications, 2021, 12, 2479.	12.8	88
52	Boltzmann's colloidal transport in porous media with velocity-dependent capture probability. Physics of Fluids, 2021, 33, .	4.0	5
53	Interfacial stabilization for inverted perovskite solar cells with long-term stability. Science Bulletin, 2021, 66, 991-1002.	9.0	45
54	Organic Solar Cells: Highâ€Efficiency Organic Photovoltaics using Eutectic Acceptor Fibrils to Achieve Current Amplification (Adv. Mater. 18/2021). Advanced Materials, 2021, 33, 2170142.	21.0	1

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55	Hostâ€“Guest Molecular Recognition at Liquidâ€“Liquid Interfaces. Engineering, 2021, 7, 603-614.	6.7	22
56	Gated Molecular Diffusion at Liquidâ€“Liquid Interfaces. Angewandte Chemie - International Edition, 2021, 60, 17394-17397.	13.8	26
57	Gated Molecular Diffusion at Liquidâ€“Liquid Interfaces. Angewandte Chemie, 2021, 133, 17534-17537.	2.0	9
58	Molecular Brush Surfactants: Versatile Emulsifiers for Stabilizing and Structuring Liquids. Angewandte Chemie - International Edition, 2021, 60, 19626-19630.	13.8	25
59	Conductive Ionenes Promote Interfacial Self-Doping for Efficient Organic Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 41810-41817.	8.0	18
60	Characteristics of Non-Fullerene Acceptor-Based Organic Photovoltaic Active Layers Using X-ray Scattering and Solid-State NMR. Journal of Physical Chemistry C, 2021, 125, 15863-15871.	3.1	2
61	Molecular Brush Surfactants: Versatile Emulsifiers for Stabilizing and Structuring Liquids. Angewandte Chemie, 2021, 133, 19778-19782.	2.0	14
62	The Buckling Spectra of Nanoparticle Surfactant Assemblies. Nano Letters, 2021, 21, 7116-7122.	9.1	11
63	Biobased Dynamic Polymer Networks with Rapid Stress Relaxation. ACS Sustainable Chemistry and Engineering, 2021, 9, 11091-11099.	6.7	39
64	Imidazole-Functionalized Imide Interlayers for High Performance Organic Solar Cells. ACS Energy Letters, 2021, 6, 3228-3235.	17.4	64
65	Optimizing Vertical Crystallization for Efficient Perovskite Solar Cells by Buried Composite Layers. Solar Rrl, 2021, 5, 2100457.	5.8	14
66	Single-layered organic photovoltaics with double cascading charge transport pathways: 18% efficiencies. Nature Communications, 2021, 12, 309.	12.8	509
67	Shearâ€sensitive chain extension of dissolved poly(ethylene oxide) by aluminate ions. Journal of Polymer Science, 2021, 59, 146-152.	3.8	1
68	Responsive Interfacial Assemblies Based on Chargeâ€Transfer Interactions. Angewandte Chemie - International Edition, 2021, 60, 26363-26367.	13.8	18
69	Responsive Interfacial Assemblies Based on Chargeâ€Transfer Interactions. Angewandte Chemie, 2021, 133, 26567-26571.	2.0	10
70	Fully Biobased Elastomer Composites with Mechanically Robust, Reprocessable, and Biocompatible Properties. ACS Applied Polymer Materials, 2021, 3, 6446-6454.	4.4	9
71	Hydrolysis-Induced Self-Assembly of High-Ï‡â€“Low-N Bottlebrush Copolymers. Macromolecules, 2021, 54, 11449-11458.	4.8	8
72	Surface modification induced by perovskite quantum dots for triple-cation perovskite solar cells. Nano Energy, 2020, 67, 104189.	16.0	81

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73	Conformational Entropy as a Means to Control the Behavior of Poly(diketoenamine) Vitrimers In and Out of Equilibrium. Angewandte Chemie - International Edition, 2020, 59, 735-739.	13.8	64
74	In Situ Electron Microscopy of Poly(ethylene glycol) Crystals Grown in Thin Ionic Liquids Films. Journal of Polymer Science, 2020, 58, 478-486.	3.8	1
75	Enhanced Charge Carrier Transport in 2D Perovskites by Incorporating Single-Walled Carbon Nanotubes or Graphene. ACS Energy Letters, 2020, 5, 109-116.	17.4	17
76	Unraveling the Crystallization Kinetics of 2D Perovskites with Sandwichâ€Type Structure for Highâ€Performance Photovoltaics. Advanced Materials, 2020, 32, e2002784.	21.0	52
77	Improving Efficiency and Stability of Perovskite Solar Cells Enabled by A Near-Infrared-Absorbing Moisture Barrier. Joule, 2020, 4, 1575-1593.	24.0	88
78	Stabilizing Aqueous Three-Dimensional Printed Constructs Using Chitosan-Cellulose Nanocrystal Assemblies. ACS Applied Materials & Interfaces, 2020, 12, 55426-55433.	8.0	11
79	Direct observation of nanoparticle-surfactant assembly and jamming at the water-oil interface. Science Advances, 2020, 6, .	10.3	44
80	Butterfly Effects Arising from Starting Materials in Fused-Ring Electron Acceptors. Journal of the American Chemical Society, 2020, 142, 20124-20133.	13.7	87
81	Conductive Thin Films over Large Areas by Supramolecular Self-Assembly. ACS Applied Materials & Interfaces, 2020, 12, 54020-54025.	8.0	2
82	Bidisperse Nanospheres Jammed on a Liquid Surface. ACS Nano, 2020, 14, 10589-10599.	14.6	10
83	The Next 100 Years of Polymer Science. Macromolecular Chemistry and Physics, 2020, 221, 2000216.	2.2	69
84	Spontaneous emulsification induced by nanoparticle surfactants. Journal of Chemical Physics, 2020, 153, 224705.	3.0	7
85	Self-Assembly Behavior of PS-<i>b</i>-P2VP Block Copolymers and Carbon Quantum Dots at Water/Oil Interfaces. Macromolecules, 2020, 53, 10981-10987.	4.8	13
86	Epoxy-polyhedral oligomeric silsesquioxanes (POSS) nanocomposite vitrimers with high strength, toughness, and efficient relaxation. Giant, 2020, 4, 100035.	5.1	35
87	Understanding Hole Extraction of Inverted Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 56068-56075.	8.0	16
88	Surface and grain boundary carbon heterogeneity in CH3NH3PbI3 perovskites and its impact on optoelectronic properties. Applied Physics Reviews, 2020, 7, .	11.3	9
89	Bimolecular crystal instability and morphology of bulk heterojunction blends in organic and perovskite solar cells. Journal of Materials Chemistry C, 2020, 8, 11695-11703.	5.5	1
90	Manipulating Film Morphology of Allâ€Polymer Solar Cells by Incorporating Polymer Compatibilizer. Solar Rrl, 2020, 4, 2000148.	5.8	16

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91	Polymerâ€Modified ZnO Nanoparticles as Electron Transport Layer for Polymerâ€Based Solar Cells. Advanced Functional Materials, 2020, 30, 2002932.	14.9	40
92	Naphthaleneâ€Diimideâ€Based Ionenes as Universal Interlayers for Efficient Organic Solar Cells. Angewandte Chemie, 2020, 132, 18288-18292.	2.0	14
93	Naphthaleneâ€Diimideâ€Based Ionenes as Universal Interlayers for Efficient Organic Solar Cells. Angewandte Chemie - International Edition, 2020, 59, 18131-18135.	13.8	61
94	Rapid Multilevel Compartmentalization of Stable All-Aqueous Blastosomes by Interfacial Aqueous-Phase Separation. ACS Nano, 2020, 14, 11215-11224.	14.6	20
95	Hanging droplets from liquid surfaces. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8360-8365.	7.1	25
96	Perspective: Ferromagnetic Liquids. Materials, 2020, 13, 2712.	2.9	8
97	Lowâ€Bandgap Porphyrins for Highly Efficient Organic Solar Cells: Materials, Morphology, and Applications. Advanced Materials, 2020, 32, e1906129.	21.0	143
98	Polymer design to promote low work function surfaces in organic electronics. Progress in Polymer Science, 2020, 103, 101222.	24.7	48
99	Interfacial Assembly and Jamming of Polyelectrolyte Surfactants: A Simple Route To Print Liquids in Low-Viscosity Solution. ACS Applied Materials & Interfaces, 2020, 12, 18116-18122.	8.0	50
100	Reconfigurable Liquids Stabilized by DNA Surfactants. ACS Applied Materials & Interfaces, 2020, 12, 13551-13557.	8.0	23
101	Janus MXene nanosheets for macroscopic assemblies. Materials Chemistry Frontiers, 2020, 4, 910-917.	5.9	47
102	Understanding the Morphology of High-Performance Solar Cells Based on a Low-Cost Polymer Donor. ACS Applied Materials & Interfaces, 2020, 12, 9537-9544.	8.0	17
103	Comparison of Fused-Ring Electron Acceptors with One- and Multidimensional Conformations. ACS Applied Materials & Interfaces, 2020, 12, 23976-23983.	8.0	10
104	Soft Polymer Janus Nanoparticles at Liquidâ€“Liquid Interfaces. Angewandte Chemie - International Edition, 2020, 59, 12751-12755.	13.8	34
105	Lowâ€Dimensional Contact Layers for Enhanced Perovskite Photodiodes. Advanced Functional Materials, 2020, 30, 2001692.	14.9	30
106	Soft Polymer Janus Nanoparticles at Liquidâ€“Liquid Interfaces. Angewandte Chemie, 2020, 132, 12851-12855.	2.0	7
107	Fullereneâ€Based Interlayers for Breaking Energy Barriers in Organic Solar Cells. ChemPlusChem, 2020, 85, 751-759.	2.8	15
108	Photoresponsive Structured Liquids Enabled by Molecular Recognition at Liquidâ€“Liquid Interfaces. Journal of the American Chemical Society, 2020, 142, 8591-8595.	13.7	74

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109	Stresses in thin sheets at fluid interfaces. Nature Materials, 2020, 19, 690-693.	27.5	16
110	Size-Dependent Interfacial Assembly of Graphene Oxide at Waterâ€“Oil Interfaces. Journal of Physical Chemistry B, 2020, 124, 4835-4842.	2.6	14
111	Poly(oximeâ€“ester) Vitrimers with Catalyst-Free Bond Exchange. Journal of the American Chemical Society, 2019, 141, 13753-13757.	13.7	149
112	Reconfigurable ferromagnetic liquid droplets. Science, 2019, 365, 264-267.	12.6	278
113	Improving the efficiencies of small molecule solar cells by solvent vapor annealing to enhance J-aggregation. Journal of Materials Chemistry C, 2019, 7, 9618-9624.	5.5	15
114	Stabilizing Liquids Using Interfacial Supramolecular Polymerization. Angewandte Chemie - International Edition, 2019, 58, 12112-12116.	13.8	30
115	Stabilizing Liquids Using Interfacial Supramolecular Polymerization. Angewandte Chemie, 2019, 131, 12240-12244.	2.0	11
116	Sculpting Liquids with Two-Dimensional Materials: The Assembly of Ti₃C₂T_x MXene Sheets at Liquidâ€“Liquid Interfaces. ACS Nano, 2019, 13, 12385-12392.	14.6	52
117	Using a Graphene-Polyelectrolyte Complex Reducing Agent To Promote Cracking in Single-Crystalline Gold Nanoplates. ACS Applied Materials & Interfaces, 2019, 11, 41602-41610.	8.0	9
118	Enhancing the Performance of a Fused-Ring Electron Acceptor by Unidirectional Extension. Journal of the American Chemical Society, 2019, 141, 19023-19031.	13.7	136
119	Probing the structural evolution in deformed isoprene rubber by in situ synchrotron X-ray diffraction and atomic force microscopy. Polymer, 2019, 185, 121926.	3.8	13
120	Selfâ€Assembly of MXeneâ€Surfactants at Liquidâ€“Liquid Interfaces: From Structured Liquids to 3D Aerogels. Angewandte Chemie, 2019, 131, 18339-18344.	2.0	14
121	Selfâ€Assembly of MXeneâ€Surfactants at Liquidâ€“Liquid Interfaces: From Structured Liquids to 3D Aerogels. Angewandte Chemie - International Edition, 2019, 58, 18171-18176.	13.8	166
122	Configurationally Constrained Crystallization of Brush Polymers with Poly(ethylene oxide) Side Chains. Macromolecules, 2019, 52, 592-600.	4.8	19
123	Impact of Electron Energy and Dose on Particle Dynamics Imaging in the Scanning Electron Microscope. Microscopy and Microanalysis, 2019, 25, 1670-1671.	0.4	0
124	Compartmentalized, All-Aqueous Flow-Through-Coordinated Reaction Systems. CheM, 2019, 5, 2678-2690.	11.7	50
125	Two-Step Chemical Transformation of Polystyrene-block-poly(solketal acrylate) Copolymers for Increasing Ï‡. Macromolecules, 2019, 52, 6458-6466.	4.8	25
126	Mechanical Properties of Solidifying Assemblies of Nanoparticle Surfactants at the Oilâ€“Water Interface. Langmuir, 2019, 35, 13340-13350.	3.5	25

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127	High Short-Circuit Current Density via Integrating the Perovskite and Ternary Organic Bulk Heterojunction. ACS Energy Letters, 2019, 4, 2535-2536.	17.4	47
128	Vapor-induced motion of two pure liquid droplets. Soft Matter, 2019, 15, 2135-2139.	2.7	17
129	Synergistic Effects of Sideâ€Chain Engineering and Fluorination on Small Molecule Acceptors to Simultaneously Broaden Spectral Response and Minimize Voltage Loss for 13.8% Efficiency Organic Solar Cells. Solar Rrl, 2019, 3, 1900169.	5.8	22
130	Interfacial Activity of Amineâ€Functionalized Polyhedral Oligomeric Silsesquioxanes (POSS): A Simple Strategy To Structure Liquids. Angewandte Chemie, 2019, 131, 10248-10253.	2.0	11
131	Interfacial Activity of Amineâ€Functionalized Polyhedral Oligomeric Silsesquioxanes (POSS): A Simple Strategy To Structure Liquids. Angewandte Chemie - International Edition, 2019, 58, 10142-10147.	13.8	27
132	Hall of Fame Article: Building Reconfigurable Devices Using Complex Liquidâ€“Fluid Interfaces (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	21.0	2
133	Morphological Evolution of Poly(solketal methacrylate)-block-polystyrene Copolymers in Thin Films. Macromolecules, 2019, 52, 3592-3600.	4.8	20
134	Nanorodâ€“Surfactant Assemblies and Their Interfacial Behavior at Liquidâ€“Liquid Interfaces. ACS Macro Letters, 2019, 8, 512-518.	4.8	21
135	Transforming Ionene Polymers into Efficient Cathode Interlayers with Pendent Fullerenes. Angewandte Chemie, 2019, 131, 5733-5737.	2.0	4
136	Building Reconfigurable Devices Using Complex Liquidâ€“Fluid Interfaces. Advanced Materials, 2019, 31, e1806370.	21.0	120
137	Contrasting Chemistry of Block Copolymer Films Controls the Dynamics of Protein Self-Assembly at the Nanoscale. ACS Nano, 2019, 13, 4018-4027.	14.6	16
138	Harnessing liquid-in-liquid printing and micropatterned substrates to fabricate 3-dimensional all-liquid fluidic devices. Nature Communications, 2019, 10, 1095.	12.8	117
139	Transforming Ionene Polymers into Efficient Cathode Interlayers with Pendent Fullerenes. Angewandte Chemie - International Edition, 2019, 58, 5677-5681.	13.8	30
140	One-Dimensional Anomalous Diffusion of Gold Nanoparticles in a Polymer Melt. Physical Review Letters, 2019, 122, 107802.	7.8	15
141	11.2% Efficiency all-polymer solar cells with high open-circuit voltage. Science China Chemistry, 2019, 62, 845-850.	8.2	140
142	In Situ Structure Characterization in Slotâ€Dieâ€Printed Allâ€Polymer Solar Cells with Efficiency Over 9%. Solar Rrl, 2019, 3, 1900032.	5.8	20
143	High-Performance Perovskite Solar Cells with a Non-doped Small Molecule Hole Transporting Layer. ACS Applied Energy Materials, 2019, 2, 1634-1641.	5.1	25
144	Assessing Pair Interaction Potentials of Nanoparticles on Liquid Interfaces. ACS Nano, 2019, 13, 3075-3082.	14.6	18

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145	Interfacial Broadening Kinetics between a Network and a Linear Polymer and Their Composites Prepared by Melt Blending. Macromolecules, 2019, 52, 9759-9765.	4.8	15
146	A randomized trial of a mercaptopurine (6MP) adherence-enhancing intervention in children with acute lymphoblastic leukemia (ALL): A COG ACCL1033 study.. Journal of Clinical Oncology, 2019, 37, 10007-10007.	1.6	4
147	Orthogonally Aligned Block Copolymer Line Patterns on Minimal Topographic Patterns. ACS Applied Materials & Interfaces, 2018, 10, 8324-8332.	8.0	15
148	Reconfigurable Microfluidic Droplets Stabilized by Nanoparticle Surfactants. ACS Nano, 2018, 12, 2365-2372.	14.6	59
149	Evidence of tunable macroscopic polarization in perovskite films using photo-Kelvin Probe Force Microscopy. Materials Letters, 2018, 217, 308-311.	2.6	5
150	Wetting, meniscus structure, and capillary interactions of microspheres bound to a cylindrical liquid interface. Soft Matter, 2018, 14, 2131-2141.	2.7	2
151	Cellulose Nanocrystals: Liquid Letters (Adv. Mater. 9/2018). Advanced Materials, 2018, 30, 1870057.	21.0	1
152	Chemical and Morphological Control of Interfacial Selfâ€Doping for Efficient Organic Electronics. Advanced Materials, 2018, 30, e1705976.	21.0	55
153	Interplay between Ion Transport, Applied Bias, and Degradation under Illumination in Hybrid Perovskite p-i-n Devices. Journal of Physical Chemistry C, 2018, 122, 13986-13994.	3.1	50
154	Energy-effectively printed all-polymer solar cells exceeding 8.61% efficiency. Nano Energy, 2018, 46, 428-435.	16.0	45
155	Bulk and Surface Morphologies of ABC Miktoarm Star Terpolymers Composed of PDMS, PI, and PMMA Arms. Macromolecules, 2018, 51, 1041-1051.	4.8	18
156	Wrapping with a splash: High-speed encapsulation with ultrathin sheets. Science, 2018, 359, 775-778.	12.6	43
157	Directed Self-Assembly of Asymmetric Block Copolymers in Thin Films Driven by Uniaxially Aligned Topographic Patterns. ACS Nano, 2018, 12, 1642-1649.	14.6	15
158	Conformation Locking on Fusedâ€Ring Electron Acceptor for Highâ€Performance Nonfullerene Organic Solar Cells. Advanced Functional Materials, 2018, 28, 1705095.	14.9	120
159	Printed Nonfullerene Organic Solar Cells with the Highest Efficiency of 9.5%. Advanced Energy Materials, 2018, 8, 1701942.	19.5	99
160	Evaluation of the Interaction Parameter for Poly(solketal methacrylate)-block-polystyrene Copolymers. Macromolecules, 2018, 51, 1031-1040.	4.8	43
161	Morphological Behavior of A₂B Block Copolymers in Thin Films. Macromolecules, 2018, 51, 1181-1188.	4.8	23
162	Tuning microdomain spacing with light using orthoâ€nitrobenzylâ€linked triblock copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 355-361.	2.1	5

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163	Chemical Stabilization of Perovskite Solar Cells with Functional Fulleropyrrolidines. ACS Central Science, 2018, 4, 216-222.	11.3	12
164	An Unfusedâ€Coreâ€Based Nonfullerene Acceptor Enables Highâ€Efficiency Organic Solar Cells with Excellent Morphological Stability at High Temperatures. Advanced Materials, 2018, 30, 1705208.	21.0	380
165	Liquid Letters. Advanced Materials, 2018, 30, 1705800.	21.0	84
166	Synergistic effect of fluorination on both donor and acceptor materials for high performance non-fullerene polymer solar cells with 13.5% efficiency. Science China Chemistry, 2018, 61, 531-537.	8.2	342
167	Reconfigurable Printed Liquids. Advanced Materials, 2018, 30, e1707603.	21.0	132
168	The Interfacial Assembly of Polyoxometalate Nanoparticle Surfactants. Nano Letters, 2018, 18, 2525-2529.	9.1	37
169	Rational design of advanced elastomer nanocomposites towards extremely energy-saving tires based on macromolecular assembly strategy. Nano Energy, 2018, 48, 180-188.	16.0	65
170	Advances in Atomic Force Microscopy for Probing Polymer Structure and Properties. Macromolecules, 2018, 51, 3-24.	4.8	129
171	Highâ€Performance Asâ€Cast Nonfullerene Polymer Solar Cells with Thicker Active Layer and Large Area Exceeding 11% Power Conversion Efficiency. Advanced Materials, 2018, 30, 1704546.	21.0	233
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