

Chinedum O Osuji

List of Publications by Year in descending order

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142
papers

9,148
citations

43973

48
h-index

42291

92
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143
all docs

143
docs citations

143
times ranked

11319
citing authors

#	ARTICLE	IF	CITATIONS
1	Materials for next-generation desalination and water purification membranes. <i>Nature Reviews Materials</i> , 2016, 1, .	23.3	1,977
2	Structure, function, and self-assembly of single network gyroid (χ^2) photonic crystals in butterfly wing scales. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11676-11681.	3.3	428
3	Directed self-assembly of block copolymers: a tutorial review of strategies for enabling nanotechnology with soft matter. <i>Soft Matter</i> , 2014, 10, 3867.	1.2	343
4	Omniphobic Membrane for Robust Membrane Distillation. <i>Environmental Science and Technology Letters</i> , 2014, 1, 443-447.	3.9	288
5	Enhanced antibacterial activity through the controlled alignment of graphene oxide nanosheets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9793-E9801.	3.3	275
6	Antifouling Ultrafiltration Membranes via Post-Fabrication Grafting of Biocidal Nanomaterials. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2861-2868.	4.0	268
7	High Performance Nanofiltration Membrane for Effective Removal of Perfluoroalkyl Substances at High Water Recovery. <i>Environmental Science & Technology</i> , 2018, 52, 7279-7288.	4.6	218
8	Anisotropic Ionic Conductivity in Block Copolymer Membranes by Magnetic Field Alignment. <i>Journal of the American Chemical Society</i> , 2010, 132, 17516-17522.	6.6	192
9	Scalable Fabrication of Polymer Membranes with Vertically Aligned 1 nm Pores by Magnetic Field Directed Self-Assembly. <i>ACS Nano</i> , 2014, 8, 11977-11986.	7.3	183
10	Hybrid Pressure Retarded Osmosis-Membrane Distillation System for Power Generation from Low-Grade Heat: Thermodynamic Analysis and Energy Efficiency. <i>Environmental Science & Technology</i> , 2014, 48, 5306-5313.	4.6	129
11	Alignment of Self-Assembled Hierarchical Microstructure in Liquid Crystalline Diblock Copolymers Using High Magnetic Fields. <i>Macromolecules</i> , 2004, 37, 9903-9908.	2.2	128
12	Engineering flat sheet microporous PVDF films for membrane distillation. <i>Journal of Membrane Science</i> , 2015, 492, 355-363.	4.1	118
13	Production of amorphous nanoparticles by supersonic spray-drying with a microfluidic nebulator. <i>Science</i> , 2015, 349, 956-960.	6.0	110
14	Magnetic field alignment of block copolymers and polymer nanocomposites: Scalable microstructure control in functional soft materials. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 2-8.	2.4	107
15	Stimuli-Responsive Smart Gels Realized via Modular Protein Design. <i>Journal of the American Chemical Society</i> , 2010, 132, 14024-14026.	6.6	105
16	Role of interparticle attraction in the yielding response of microgel suspensions. <i>Soft Matter</i> , 2013, 9, 5492.	1.2	95
17	Rheology of cellulose nanofibrils in the presence of surfactants. <i>Soft Matter</i> , 2016, 12, 157-164.	1.2	93
18	Thin Polymer Films with Continuous Vertically Aligned 1 nm Pores Fabricated by Soft Confinement. <i>ACS Nano</i> , 2016, 10, 150-158.	7.3	92

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19	Post-fabrication modification of electrospun nanofiber mats with polymer coating for membrane distillation applications. <i>Journal of Membrane Science</i> , 2017, 530, 158-165.	4.1	91
20	Nanocomposites of Vertically Aligned Single-Walled Carbon Nanotubes by Magnetic Alignment and Polymerization of a Lyotropic Precursor. <i>ACS Nano</i> , 2010, 4, 6651-6658.	7.3	86
21	Shear thickening and scaling of the elastic modulus in a fractal colloidal system with attractive interactions. <i>Physical Review E</i> , 2008, 77, 060402.	0.8	84
22	Highly Selective Vertically Aligned Nanopores in Sustainably Derived Polymer Membranes by Molecular Templating. <i>ACS Nano</i> , 2017, 11, 3911-3921.	7.3	83
23	Relating Selectivity and Separation Performance of Lamellar Two-Dimensional Molybdenum Disulfide (MoS ₂) Membranes to Nanosheet Stacking Behavior. <i>Environmental Science & Technology</i> , 2020, 54, 9640-9651.	4.6	82
24	Structural Diversity of Arthropod Biophotonic Nanostructures Spans Amphiphilic Phase-Space. <i>Nano Letters</i> , 2015, 15, 3735-3742.	4.5	80
25	Shaping and Locomotion of Soft Robots Using Filament Actuators Made from Liquid Crystal Elastomer-Carbon Nanotube Composites. <i>Advanced Intelligent Systems</i> , 2020, 2, 1900163.	3.3	80
26	Facile Alignment of Amorphous Poly(ethylene oxide) Microdomains in a Liquid Crystalline Block Copolymer Using Magnetic Fields: Toward Ordered Electrolyte Membranes. <i>Macromolecules</i> , 2010, 43, 3286-3293.	2.2	79
27	Janus Graft Block Copolymers: Design of a Polymer Architecture for Independently Tuned Nanostructures and Polymer Properties. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8493-8497.	7.2	79
28	Precise nanofiltration in a fouling-resistant self-assembled membrane with water-continuous transport pathways. <i>Science Advances</i> , 2019, 5, eaav9308.	4.7	79
29	New insights on fumed colloidal rheology—shear thickening and vorticity-aligned structures in flocculating dispersions. <i>Rheologica Acta</i> , 2009, 48, 871-881.	1.1	77
30	Side-Chain Liquid Crystalline Polymer Networks: Exploiting Nanoscale Smectic Polymorphism To Design Shape-Memory Polymers. <i>ACS Nano</i> , 2011, 5, 3085-3095.	7.3	75
31	Directed Assembly of Hybrid Nanomaterials and Nanocomposites. <i>Advanced Materials</i> , 2018, 30, e1705794.	11.1	74
32	Guided Evolution of Bulk Metallic Glass Nanostructures: A Platform for Designing 3D Electrocatalytic Surfaces. <i>Advanced Materials</i> , 2016, 28, 1940-1949.	11.1	71
33	Poly(ethylenimine)-Based Polymer Blends as Single-Ion Lithium Conductors. <i>Macromolecules</i> , 2014, 47, 3401-3408.	2.2	70
34	Order-Disorder Transition and Alignment Dynamics of a Block Copolymer Under High Magnetic Fields by <i>In Situ</i> X-Ray Scattering. <i>Physical Review Letters</i> , 2013, 110, 078301.	2.9	67
35	Thermally Switchable Aligned Nanopores by Magnetic Field Directed Self-Assembly of Block Copolymers. <i>Advanced Materials</i> , 2014, 26, 5148-5154.	11.1	66
36	Highly anisotropic vorticity aligned structures in a shear thickening attractive colloidal system. <i>Soft Matter</i> , 2008, 4, 1388.	1.2	65

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37	Single-step microfluidic fabrication of soft monodisperse polyelectrolyte microcapsules by interfacial complexation. <i>Lab on A Chip</i> , 2014, 14, 3494-3497.	3.1	65
38	Nanoscale size effects in crystallization of metallic glass nanorods. <i>Nature Communications</i> , 2015, 6, 8157.	5.8	65
39	Magnetic Field Alignment of a Diblock Copolymer Using a Supramolecular Route. <i>ACS Macro Letters</i> , 2012, 1, 184-189.	2.3	59
40	Molecular Design of Liquid Crystalline Brush-Like Block Copolymers for Magnetic Field Directed Self-Assembly: A Platform for Functional Materials. <i>ACS Macro Letters</i> , 2014, 3, 462-466.	2.3	59
41	Rational Design of a Block Copolymer with a High Interaction Parameter. <i>Macromolecules</i> , 2014, 47, 6687-6696.	2.2	59
42	Transverse Cylindrical Microdomain Orientation in an LC Diblock Copolymer under Oscillatory Shear. <i>Macromolecules</i> , 1999, 32, 7703-7706.	2.2	57
43	Monoliths of Semiconducting Block Copolymers by Magnetic Alignment. <i>ACS Nano</i> , 2013, 7, 5514-5521.	7.3	56
44	Self-Assembly of an Ultrahigh- χ Block Copolymer with Versatile Etch Selectivity. <i>Macromolecules</i> , 2018, 51, 6460-6467.	2.2	56
45	Tailoring Crystallization Behavior of PEO-Based Liquid Crystalline Block Copolymers through Variation in Liquid Crystalline Content. <i>Macromolecules</i> , 2011, 44, 3924-3934.	2.2	54
46	Continuous Equilibrated Growth of Ordered Block Copolymer Thin Films by Electro spray Deposition. <i>ACS Nano</i> , 2013, 7, 2960-2970.	7.3	51
47	Magnetic Alignment of Block Copolymer Microdomains by Intrinsic Chain Anisotropy. <i>Physical Review Letters</i> , 2015, 115, 258302.	2.9	51
48	Elements Provide a Clue: Nanoscale Characterization of Thin-Film Composite Polyamide Membranes. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 16917-16922.	4.0	50
49	Sustainable manufacturing of sensors onto soft systems using self-coagulating conductive Pickering emulsions. <i>Science Robotics</i> , 2020, 5, .	9.9	50
50	Time-resolved viscoelastic properties during structural arrest and aging of a colloidal glass. <i>Physical Review E</i> , 2010, 82, 031404.	0.8	47
51	Selectivity and Mass Transfer Limitations in Pressure-Retarded Osmosis at High Concentrations and Increased Operating Pressures. <i>Environmental Science & Technology</i> , 2015, 49, 12551-12559.	4.6	46
52	Understanding anisotropic transport in self-assembled membranes and maximizing ionic conductivity by microstructure alignment. <i>Soft Matter</i> , 2013, 9, 7106.	1.2	44
53	Mesenchymal stromal cells form vascular tubes when placed in fibrin sealant and accelerate wound healing in vivo. <i>Biomaterials</i> , 2015, 40, 61-71.	5.7	43
54	Tuning the permselectivity of polymeric desalination membranes via control of polymer crystallite size. <i>Nature Communications</i> , 2019, 10, 2347.	5.8	43

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55	Dynamics of internal stresses and scaling of strain recovery in an aging colloidal gel. <i>Physical Review E</i> , 2009, 80, 010404.	0.8	41
56	Physical aging and relaxation of residual stresses in a colloidal glass following flow cessation. <i>Journal of Rheology</i> , 2010, 54, 943-958.	1.3	40
57	Controlling orientational order in block copolymers using low-intensity magnetic fields. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9437-E9444.	3.3	39
58	Loss of Phospholipid Membrane Integrity Induced by Two-Dimensional Nanomaterials. <i>Environmental Science and Technology Letters</i> , 2017, 4, 404-409.	3.9	39
59	Liquid Crystalline Order and Magnetocrystalline Anisotropy in Magnetically Doped Semiconducting ZnO Nanowires. <i>ACS Nano</i> , 2011, 5, 8357-8364.	7.3	38
60	Viscoelasticity of a colloidal gel during dynamical arrest: Evolution through the critical gel and comparison with a soft colloidal glass. <i>Journal of Rheology</i> , 2014, 58, 1557-1579.	1.3	38
61	Directed Self-Assembly of Hybrid Oxide/Polymer Core/Shell Nanowires with Transport Optimized Morphology for Photovoltaics. <i>Advanced Materials</i> , 2012, 24, 82-87.	11.1	37
62	Fabrication of a Desalination Membrane with Enhanced Microbial Resistance through Vertical Alignment of Graphene Oxide. <i>Environmental Science and Technology Letters</i> , 2018, 5, 614-620.	3.9	37
63	Phase Behavior of Polylactide-Based Liquid Crystalline Brushlike Block Copolymers. <i>Macromolecules</i> , 2015, 48, 8315-8322.	2.2	36
64	Aligned Nanostructured Polymers by Magnetic-Field-Directed Self-Assembly of a Polymerizable Lyotropic Mesophase. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 19710-19717.	4.0	35
65	Smart Cellulose Nanofluids Produced by Tunable Hydrophobic Association of Polymer-Grafted Cellulose Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31095-31101.	4.0	34
66	Single crystal texture by directed molecular self-assembly along dual axes. <i>Nature Materials</i> , 2019, 18, 1235-1243.	13.3	34
67	Supramolecular Microphase Separation in a Hydrogen-Bonded Liquid Crystalline Comb Copolymer in the Melt State. <i>Macromolecules</i> , 2006, 39, 3114-3117.	2.2	33
68	Rapid Fabrication by Lyotropic Self-Assembly of Thin Nanofiltration Membranes with Uniform 1 Nanometer Pores. <i>ACS Nano</i> , 2021, 15, 8192-8203.	7.3	33
69	Role of HF in Oxygen Removal from Carbon Nanotubes: Implications for High Performance Carbon Electronics. <i>Nano Letters</i> , 2014, 14, 6179-6184.	4.5	32
70	Smectic Demixing in the Phase Behavior and Self-Assembly of a Hydrogen-Bonded Polymer with Mesogenic Side Chains. <i>Macromolecules</i> , 2010, 43, 6646-6654.	2.2	31
71	Hierarchically Self-Assembled Photonic Materials from Liquid Crystalline Random Brush Copolymers. <i>Macromolecules</i> , 2013, 46, 4558-4566.	2.2	31
72	Soft microcapsules with highly plastic shells formed by interfacial polyelectrolyte-nanoparticle complexation. <i>Soft Matter</i> , 2015, 11, 7478-7482.	1.2	30

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73	Photoresponsive and Magneto-responsive Graphene Oxide Microcapsules Fabricated by Droplet Microfluidics. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44192-44198.	4.0	30
74	Cholesteric mesophase in side-chain liquid crystalline polymers: influence of mesogen interdigitation and motional decoupling. <i>Soft Matter</i> , 2012, 8, 3185.	1.2	29
75	Size-dependent viscosity in the super-cooled liquid state of a bulk metallic glass. <i>Applied Physics Letters</i> , 2013, 102, 221901.	1.5	29
76	Morphology Development in Thin Films of a Lamellar Block Copolymer Deposited by Electrospray. <i>Macromolecules</i> , 2014, 47, 5703-5710.	2.2	29
77	Sub-10 nm Self-Assembly of Mesogen-Containing Grafted Macromonomers and Their Bottlebrush Polymers. <i>Macromolecules</i> , 2018, 51, 3680-3690.	2.2	29
78	Lyotropic Self-Assembly of High-Aspect-Ratio Semiconductor Nanowires of Single-Crystal ZnO. <i>Langmuir</i> , 2011, 27, 11616-11621.	1.6	28
79	Shear-accelerated crystallization in a supercooled atomic liquid. <i>Physical Review E</i> , 2015, 91, 020301.	0.8	28
80	Pathway-engineering for highly-aligned block copolymer arrays. <i>Nanoscale</i> , 2018, 10, 416-427.	2.8	28
81	Atomic imprinting into metallic glasses. <i>Communications Physics</i> , 2018, 1, .	2.0	28
82	Lyotropic Hexagonal Ordering in Aqueous Media by Conjugated Hairy-Rod Supramolecules. <i>Macromolecules</i> , 2010, 43, 7549-7555.	2.2	25
83	Controlled Alignment of Lamellar Lyotropic Mesophases by Rotation in a Magnetic Field. <i>Langmuir</i> , 2010, 26, 8737-8742.	1.6	25
84	Optical materials and metamaterials from nanostructured soft matter. <i>Nano Research</i> , 2019, 12, 2172-2183.	5.8	25
85	Dual-Functionality Fullerene and Silver Nanoparticle Antimicrobial Composites via Block Copolymer Templates. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33583-33591.	4.0	24
86	Fabrication of Modularly Functionalizable Microcapsules Using Protein-Based Technologies. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 1856-1861.	2.6	23
87	Isomeric Effect Enabled Thermally Driven Self-Assembly of Hydroxystyrene-Based Block Copolymers. <i>ACS Macro Letters</i> , 2016, 5, 833-838.	2.3	23
88	Highly stiff yet elastic microcapsules incorporating cellulose nanofibrils. <i>Soft Matter</i> , 2017, 13, 2733-2737.	1.2	23
89	The Effects of Magnetic Field Alignment on Lithium Ion Transport in a Polymer Electrolyte Membrane with Lamellar Morphology. <i>Polymers</i> , 2019, 11, 887.	2.0	23
90	Large area vertical alignment of ZnO nanowires in semiconducting polymer thin films directed by magnetic fields. <i>Nanoscale</i> , 2013, 5, 10511.	2.8	22

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91	Optically Active Elastomers from Liquid Crystalline Comb Copolymers with Dual Physical and Chemical Cross-Links. <i>Macromolecules</i> , 2017, 50, 5929-5939.	2.2	22
92	Non-degenerate magnetic alignment of self-assembled mesophases. <i>Soft Matter</i> , 2009, 5, 3417.	1.2	19
93	Alignment of Self-Assembled Structures in Block Copolymer Films by Solvent Vapor Permeation. <i>Macromolecules</i> , 2010, 43, 3132-3135.	2.2	19
94	Directing block copolymer self-assembly with permanent magnets: photopatterning microdomain alignment and generating oriented nanopores. <i>Molecular Systems Design and Engineering</i> , 2017, 2, 549-559.	1.7	19
95	Lyotropic liquid crystals as templates for advanced materials. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21607-21658.	5.2	19
96	Multi-Scale Assembly of Polythiophene-Surfactant Supramolecular Complexes for Charge Transport Anisotropy. <i>Macromolecules</i> , 2017, 50, 1047-1055.	2.2	18
97	Implications of Grain Size Variation in Magnetic Field Alignment of Block Copolymer Blends. <i>ACS Macro Letters</i> , 2017, 6, 404-409.	2.3	17
98	Fast Photoswitchable Order–Disorder Transitions in Liquid-Crystalline Block Co-oligomers. <i>Journal of the American Chemical Society</i> , 2022, 144, 390-399.	6.6	17
99	Multiscale patterning of a metallic glass using sacrificial imprint lithography. <i>Microsystems and Nanoengineering</i> , 2015, 1, .	3.4	16
100	Tunable organic solvent nanofiltration in self-assembled membranes at the sub-1 nm scale. <i>Science Advances</i> , 2022, 8, eabm5899.	4.7	16
101	Nanoimprinting Sub-100 nm Features in a Photovoltaic Nanocomposite using Durable Bulk Metallic Glass Molds. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 3456-3461.	4.0	15
102	Effect of Final Monomer Deposition Steps on Molecular Layer-by-Layer Polyamide Surface Properties. <i>Langmuir</i> , 2016, 32, 10815-10823.	1.6	15
103	Strong Orientational Coupling of Block Copolymer Microdomains to Smectic Layering Revealed by Magnetic Field Alignment. <i>ACS Macro Letters</i> , 2016, 5, 292-296.	2.3	15
104	Electrospray deposition tool: Creating compositionally gradient libraries of nanomaterials. <i>Review of Scientific Instruments</i> , 2020, 91, 013701.	0.6	15
105	Stable Sequestration of Single-Walled Carbon Nanotubes in Self-Assembled Aqueous Nanopores. <i>Journal of the American Chemical Society</i> , 2012, 134, 3950-3953.	6.6	14
106	Finite size effects in the crystallization of a bulk metallic glass. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	14
107	Evaluating the Dispersant Stabilization of Colloidal Suspensions from the Scaling Behavior of Gel Rheology and Adsorption Measurements. <i>Langmuir</i> , 2018, 34, 1092-1099.	1.6	14
108	Janus Graft Block Copolymers: Design of a Polymer Architecture for Independently Tuned Nanostructures and Polymer Properties. <i>Angewandte Chemie</i> , 2018, 130, 8629-8633.	1.6	13

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109	Creating Aligned Nanopores by Magnetic Field Processing of Block Copolymer/Homopolymer Blends. ACS Macro Letters, 2019, 8, 261-266.	2.3	13
110	Sequential deposition of block copolymer thin films and formation of lamellar heterolattices by electrospray deposition. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 247-253.	2.4	12
111	Facile Protein Immobilization Using Engineered Surface-Active Biofilm Proteins. ACS Applied Nano Materials, 2018, 1, 2483-2488.	2.4	12
112	Film Thickness and Composition Effects in Symmetric Ternary Block Copolymer/Homopolymer Blend Films: Domain Spacing and Orientation. Macromolecules, 2021, 54, 7970-7986.	2.2	12
113	Dynamic magnetic field alignment and polarized emission of semiconductor nanoplatelets in a liquid crystal polymer. Nature Communications, 2022, 13, 2507.	5.8	12
114	Aligned Morphologies in Near-Edge Regions of Block Copolymer Thin Films. Macromolecules, 2019, 52, 7224-7233.	2.2	11
115	Stable cross-linked lyotropic gyroid mesophases from single-head/single-tail cross-linkable monomers. Chemical Communications, 2021, 57, 10931-10934.	2.2	11
116	Scalable High-Fidelity Growth of Semiconductor Nanorod Arrays with Controlled Geometry for Photovoltaic Devices Using Block Copolymers. Small, 2014, 10, 4304-4309.	5.2	10
117	Physical Continuity and Vertical Alignment of Block Copolymer Domains by Kinetically Controlled Electrospray Deposition. Macromolecular Rapid Communications, 2015, 36, 1290-1296.	2.0	10
118	Experimental Evidence for Proposed Transformation Pathway from the Inverse Hexagonal to Inverse Diamond Cubic Phase from Oriented Lipid Samples. Langmuir, 2015, 31, 7707-7711.	1.6	10
119	Flat Drops, Elastic Sheets, and Microcapsules by Interfacial Assembly of a Bacterial Biofilm Protein, BslA. Langmuir, 2017, 33, 13590-13597.	1.6	10
120	Hexagonally Ordered Arrays of \pm -Helical Bundles Formed from Peptide-Dendron Hybrids. Journal of the American Chemical Society, 2017, 139, 15977-15983.	6.6	9
121	Polymer Nanosheets from Supramolecular Assemblies of Conjugated Linoleic Acid—High Surface Area Adsorbents from Renewable Materials. Langmuir, 2017, 33, 10690-10697.	1.6	9
122	Nanocomposites of 2D-MoS ₂ Exfoliated in Thermotropic Liquid Crystals. , 2021, 3, 704-712.		9
123	100th Anniversary of Macromolecular Science Viewpoint: Opportunities for Liquid Crystal Polymers in Nanopatterning and Beyond. ACS Macro Letters, 2021, 10, 945-957.	2.3	9
124	Nanoscale Thickness Control of Nanoporous Films Derived from Directionally Photopolymerized Mesophases. Advanced Materials Interfaces, 2021, 8, 2001977.	1.9	9
125	High-throughput morphology mapping of self-assembling ternary polymer blends. RSC Advances, 2020, 10, 42529-42541.	1.7	9
126	Continuous and patterned deposition of functional block copolymer thin films using electrospray. MRS Communications, 2015, 5, 235-242.	0.8	8

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127	Soft robotic constrictor for in vitro modeling of dynamic tissue compression. <i>Scientific Reports</i> , 2021, 11, 16478.	1.6	7
128	Simple production of cellulose nanofibril microcapsules and the rheology of their suspensions. <i>Soft Matter</i> , 2021, 17, 4517-4524.	1.2	7
129	Synthesis of High Etch Contrast Poly(3-hydroxystyrene)-Based Triblock Copolymers and Self-Assembly of Sub-5 nm Features. <i>Macromolecules</i> , 2021, 54, 9542-9550.	2.2	7
130	Synthesis and suspension rheology of titania nanoparticles grafted with zwitterionic polymer brushes. <i>Journal of Colloid and Interface Science</i> , 2012, 386, 135-140.	5.0	6
131	Effects of Labile Mesogens on the Morphology of Liquid Crystalline Block Copolymers in Thin Films. <i>Macromolecules</i> , 2021, 54, 3223-3231.	2.2	6
132	Two-Photon Laser Microprinting of Highly Ordered Nanoporous Materials Based on Hexagonal Columnar Liquid Crystals. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 33746-33755.	4.0	6
133	Shaping and Locomotion of Soft Robots Using Filament Actuators Made from Liquid Crystal Elastomer–Carbon Nanotube Composites. <i>Advanced Intelligent Systems</i> , 2020, 2, 2070063.	3.3	5
134	Self-assembly of supramolecular complexes of charged conjugated polymers and imidazolium-based ionic liquid crystals. <i>Giant</i> , 2022, 9, 100088.	2.5	5
135	Rapid fabrication of ZnO nanorod arrays with controlled spacing by micelle-templated solvothermal growth. <i>Nanoscale</i> , 2016, 8, 149-156.	2.8	4
136	Yielding and bifurcated aging in nanofibrillar networks. <i>Physical Review Materials</i> , 2020, 4, .	0.9	4
137	Correlation of droplet elasticity and volume fraction effects on emulsion dynamics. <i>Soft Matter</i> , 2020, 16, 2574-2580.	1.2	3
138	Three-Dimensional Compatible Sacrificial Nanoimprint Lithography for Tuning the Wettability of Thermoplastic Materials. <i>Journal of Micro and Nano-Manufacturing</i> , 2018, 6, .	0.8	2
139	Plasmonic Sensing from Vertical Au-Coated ZnO Nanorod Arrays Templated by Block Copolymers. <i>ACS Applied Nano Materials</i> , 2021, 4, 8556-8563.	2.4	2
140	Dynamics of Transient Vorticity-Aligned Structures and Internal Stresses in Shear Thickening Colloidal Gels. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	1
141	Electrocatalysts: Guided Evolution of Bulk Metallic Glass Nanostructures: A Platform for Designing 3D Electrocatalytic Surfaces (<i>Adv. Mater.</i> 10/2016). <i>Advanced Materials</i> , 2016, 28, 1902-1902.	11.1	0
142	Domain Orientation in Bulk Block Copolymers. , 2014, , 1-10.		0