

# Michael David Dickey

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

241  
papers

16,438  
citations

64  
h-index

124  
g-index

261  
ext. papers

19,714  
ext. citations

9.4  
avg, IF

7.48  
L-index

#	Paper	IF	Citations
241	Applications of liquid metals in nanotechnology.. <i>Nanoscale Horizons</i> , <b>2022</b> ,	10.8	7
240	Noncontact rotation, levitation, and acceleration of flowing liquid metal wires.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119,	11.5	2
239	Le gallium, un métal liquide d'avenir. <i>Pour la science Fr</i> , <b>2022</b> , N° 532 Février, 48-54	0	
238	Deposition of silicate coatings on poly(ethylene terephthalate) for improved scratch and solvent resistance. <i>Journal of Applied Polymer Science</i> , <b>2022</b> , 139, 51800	2.9	
237	Direct measurement of rate-dependent mode I and mode II traction-separation laws for cohesive zone modeling of laminated glass. <i>Composite Structures</i> , <b>2022</b> , 279, 114759	5.3	1
236	Tough and stretchable ionogels by in situ phase separation.. <i>Nature Materials</i> , <b>2022</b> ,	27	33
235	Interactions between Liquid Metal Droplets and Bacterial, Fungal, and Mammalian Cells (Adv. Mater. Interfaces 7/2022). <i>Advanced Materials Interfaces</i> , <b>2022</b> , 9, 2270035	4.6	0
234	Synthesis of Liquid Gallium@Reduced Graphene Oxide Core-Shell Nanoparticles with Enhanced Photoacoustic and Photothermal Performance.. <i>Journal of the American Chemical Society</i> , <b>2022</b> ,	16.4	9
233	A bottom-up approach to generate isotropic liquid metal network in polymer-enabled 3D thermal management. <i>Chemical Engineering Journal</i> , <b>2022</b> , 439, 135674	14.7	2
232	Healable, Recyclable, and Multifunctional Soft Electronics Based on Biopolymer Hydrogel and Patterned Liquid Metal.. <i>Small</i> , <b>2022</b> , e2201643	11	6
231	Liquid-Metal-Enabled Mechanical-Energy-Induced CO Conversion. <i>Advanced Materials</i> , <b>2021</b> , e2105789	24	7
230	Lead-adsorbing ionogel-based encapsulation for impact-resistant, stable, and lead-safe perovskite modules. <i>Science Advances</i> , <b>2021</b> , 7, eabi8249	14.3	22
229	Flexible thermoelectric generator with liquid metal interconnects and low thermal conductivity silicone filler. <i>Npj Flexible Electronics</i> , <b>2021</b> , 5,	10.7	19
228	Elastic Multifunctional Liquid Metal Fibers for Harvesting Mechanical and Electromagnetic Energy and as Self-Powered Sensors. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2100411	21.8	36
227	Wicking-Polarization-Induced Water Cluster Size Effect on Triboelectric Evaporation Textiles. <i>Advanced Materials</i> , <b>2021</b> , 33, e2007352	24	21
226	A Review of Liquid Metal Embrittlement: Cracking Open the Disparate Mechanisms. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2021</b> , 52, 2158-2172	2.3	7
225	Liquid metals at room temperature. <i>Physics Today</i> , <b>2021</b> , 74, 30-36	0.9	8

224	Energy Harvesting and Storage: Energy Harvesting and Storage with Soft and Stretchable Materials (Adv. Mater. 19/2021). <i>Advanced Materials</i> , <b>2021</b> , 33, 2170151	24	
223	Hybrid-Filler Stretchable Conductive Composites: From Fabrication to Application. <i>Small Science</i> , <b>2021</b> , 1, 2000080		32
222	Interfacial Tension Modulation of Liquid Metal via Electrochemical Oxidation. <i>Advanced Intelligent Systems</i> , <b>2021</b> , 3, 2100024	6	17
221	RESHAPE: A Liquid Metal-Based Reshapable Aperture for Compound Frequency, Pattern, and Polarization Reconfiguration. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 2581-2594	4.9	5
220	Antipathogenic properties and applications of low-dimensional materials. <i>Nature Communications</i> , <b>2021</b> , 12, 3897	17.4	17
219	Soft and Stretchable Liquid Metal Composites with Shape Memory and Healable Conductivity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 28916-28924	9.5	17
218	Dynamic control of reflective/diffusive optical surfaces on EGaln liquid metal. <i>Optical Materials Express</i> , <b>2021</b> , 11, 2099	2.6	6
217	Stretchable and Soft Electroadhesion Using Liquid-Metal Subsurface Microelectrodes. <i>Advanced Materials Technologies</i> , <b>2021</b> , 6, 2100263	6.8	4
216	Metallophobic Coatings to Enable Shape Reconfigurable Liquid Metal Inside 3D Printed Plastics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 12709-12718	9.5	11
215	Stiff or Extensible in Seconds: Light-Induced Corrugations in Thin Polymer Sheets. <i>Advanced Materials Technologies</i> , <b>2021</b> , 6, 2000789	6.8	1
214	Surface Modification of Gallium-Based Liquid Metals: Mechanisms and Applications in Biomedical Sensors and Soft Actuators. <i>Advanced Intelligent Systems</i> , <b>2021</b> , 3, 2000159	6	12
213	Liquid metal motor. <i>IScience</i> , <b>2021</b> , 24, 101911	6.1	12
212	Energy Harvesting and Storage with Soft and Stretchable Materials. <i>Advanced Materials</i> , <b>2021</b> , 33, e2004832	4.7	34
211	Jumping liquid metal droplets controlled electrochemically. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 081601	3.4	6
210	Wearable Osmotic-Capillary Patch for Prolonged Sweat Harvesting and Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 8071-8081	9.5	13
209	Liquid Metal-Triggered Assembly of Phenolic Nanocoatings with Antioxidant and Antibacterial Properties. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 2987-2998	5.6	5
208	Aerosol Spray Deposition of Liquid Metal and Elastomer Coatings for Rapid Processing of Stretchable Electronics. <i>Micromachines</i> , <b>2021</b> , 12,	3.3	10
207	Reversible Underwater Adhesion for Soft Robotic Feet by Leveraging Electrochemically Tunable Liquid Metal Interfaces. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 37904-37914	9.5	7

206	Gallium Liquid Metal: The Devil's Elixir. <i>Annual Review of Materials Research</i> , <b>2021</b> , 51, 381-408	12.8	37
205	A Soft Variable-Area Electrical-Double-Layer Energy Harvester. <i>Advanced Materials</i> , <b>2021</b> , 33, e2103142	24	12
204	Are Contact Angle Measurements Useful for Oxide-Coated Liquid Metals?. <i>Langmuir</i> , <b>2021</b> , 37, 10914-10923	12	13
203	Liquid Metal Elastomer with Flytrap-inspired Pillar Structure for Stress Sensing. <i>Composites Science and Technology</i> , <b>2021</b> , 109066	8.6	7
202	A Liquid Metal Mediated Metallic Coating for Antimicrobial and Antiviral Fabrics. <i>Advanced Materials</i> , <b>2021</b> , 33, e2104298	24	11
201	A Liquid Metal Artificial Muscle. <i>Advanced Materials</i> , <b>2021</b> , 33, e2103062	24	16
200	Liquid Metal Composites with Enhanced Thermal Conductivity and Stability Using Molecular Thermal Linker. <i>Advanced Materials</i> , <b>2021</b> , 33, e2103104	24	18
199	A Wearable Patch for Prolonged Sweat Lactate Harvesting and Sensing. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2021</b> , 2021, 6863-6866	0.9	0
198	Counterpropagating Gradients of Antibacterial and Antifouling Polymer Brushes.. <i>Biomacromolecules</i> , <b>2021</b> ,	6.9	4
197	Osmotically Enabled Wearable Patch for Sweat Harvesting and Lactate Quantification.. <i>Micromachines</i> , <b>2021</b> , 12,	3.3	5
196	Making Light Work of Metal Bending: Laser Forming in Rapid Prototyping. <i>Quantum Beam Science</i> , <b>2020</b> , 4, 44	1.6	2
195	Liquid-Solid Mixtures of Ga Metal Infused with Cu Microparticles and Nanoparticles for Microscale and Nanoscale Patterning of Solid Metals at Room Temperature. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 12064-12070	5.6	7
194	Soft, Stretchable, and Pneumatically Triggered Thermochromic Optical Filters with Embedded Phosphorescence. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 26424-26431	9.5	8
193	Oxide-mediated mechanisms of gallium foam generation and stabilization during shear mixing in air. <i>Soft Matter</i> , <b>2020</b> , 16, 5801-5805	3.6	8
192	Direct write printing of a self-encapsulating liquid metal-silicone composite. <i>Soft Matter</i> , <b>2020</b> , 16, 6608-6618	6.18	31
191	Investigation of biasing conditions and energy dissipation in electrochemically controlled capillarity liquid metal electronics. <i>Electronics Letters</i> , <b>2020</b> , 56, 323-325	1.1	3
190	Principles of long-term fluids handling in paper-based wearables with capillary-evaporative transport. <i>Biomicrofluidics</i> , <b>2020</b> , 14, 034112	3.2	14
189	Liquid Metal Direct Write and 3D Printing: A Review. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 2000070	6.8	70

188	Directed Assembly of Liquid Metal-Elastomer Conductors for Stretchable and Self-Healing Electronics. <i>Advanced Materials</i> , <b>2020</b> , 32, e2001642	24	43
187	Effect of surface interactions on the settlement of particles on a sinusoidally corrugated substrate.. <i>RSC Advances</i> , <b>2020</b> , 10, 11348-11356	3.7	3
186	A river (of liquid metal) runs through it. <i>National Science Review</i> , <b>2020</b> , 7, 721-722	10.8	1
185	Liquid Metal Composites with Anisotropic and Unconventional Piezoconductivity. <i>Matter</i> , <b>2020</b> , 3, 824-841	11.7	40
184	EML webinar overview: Liquid metals at the extreme. <i>Extreme Mechanics Letters</i> , <b>2020</b> , 40, 100863	3.9	1
183	Ultrasoft Liquid Metal Elastomer Foams with Positive and Negative Piezopermittivity for Tactile Sensing. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002611	15.6	83
182	Application of a Laser Cutter to Pattern Wrinkles on Polymer Films. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 1848-1855	4.3	2
181	Attributes, Fabrication, and Applications of Gallium-Based Liquid Metal Particles. <i>Advanced Science</i> , <b>2020</b> , 7, 2000192	13.6	85
180	Flexible and Stretchable Liquid Metal Electronics <b>2020</b> , 185-230		1
179	Flexible thermoelectric generators for body heat harvesting [Enhanced device performance using high thermal conductivity elastomer encapsulation on liquid metal interconnects. <i>Applied Energy</i> , <b>2020</b> , 262, 114370	10.7	64
178	Polymeric encapsulation of liquids via plasma surface polymerization. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 48880	2.9	
177	Antibacterial Liquid Metals: Biofilm Treatment Magnetic Activation. <i>ACS Nano</i> , <b>2020</b> , 14, 802-817	16.7	83
176	Broad-spectrum treatment of bacterial biofilms using magneto-responsive liquid metal particles. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 10776-10787	7.3	11
175	Overcoming Rayleigh-Plateau instabilities: Stabilizing and destabilizing liquid-metal streams via electrochemical oxidation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 19026-19032	11.5	20
174	Lighter and Stronger: Cofabricated Electrodes and Variable Stiffness Elements in Dielectric Actuators. <i>Advanced Intelligent Systems</i> , <b>2020</b> , 2, 2000069	6	12
173	Ultrastretchable Elastic Shape Memory Fibers with Electrical Conductivity. <i>Advanced Science</i> , <b>2019</b> , 6, 1901579	13.6	46
172	Materials tactile logic via innervated soft thermochromic elastomers. <i>Nature Communications</i> , <b>2019</b> , 10, 4187	17.4	66
171	High Thermal Conductivity Silicone Elastomer Doped with Graphene Nanoplatelets and Eutectic GaIn Liquid Metal Alloy. <i>ECS Journal of Solid State Science and Technology</i> , <b>2019</b> , 8, P357-P362	2	25

170	Emergence of Liquid Metals in Nanotechnology. <i>ACS Nano</i> , <b>2019</b> , 13, 7388-7395	16.7	169
169	Corrosion resistant coating based on thiol-ene polymeric system. <i>Progress in Organic Coatings</i> , <b>2019</b> , 133, 350-356	4.8	8
168	Self-healing materials for soft-matter machines and electronics. <i>NPG Asia Materials</i> , <b>2019</b> , 11,	10.3	47
167	Phase Separation in Liquid Metal Nanoparticles. <i>Matter</i> , <b>2019</b> , 1, 192-204	12.7	66
166	Liquid metal-filled magnetorheological elastomer with positive piezoconductivity. <i>Nature Communications</i> , <b>2019</b> , 10, 1300	17.4	167
165	Room-Temperature Liquid Metals as Functional Liquids <b>2019</b> , 251-271		2
164	Shrink Films Get a Grip. <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 1088-1095	4.3	6
163	UV plasmonic properties of colloidal liquid-metal eutectic gallium-indium alloy nanoparticles. <i>Scientific Reports</i> , <b>2019</b> , 9, 5345	4.9	40
162	Toughening stretchable fibers via serial fracturing of a metallic core. <i>Science Advances</i> , <b>2019</b> , 5, eaat4600	4.3	38
161	Room temperature CO reduction to solid carbon species on liquid metals featuring atomically thin ceria interfaces. <i>Nature Communications</i> , <b>2019</b> , 10, 865	17.4	100
160	Self-Folding Metal Origami. <i>Advanced Intelligent Systems</i> , <b>2019</b> , 1, 1900059	6	10
159	Rapid Open-Air Digital Light 3D Printing of Thermoplastic Polymer. <i>Advanced Materials</i> , <b>2019</b> , 31, e1903970	4.7	54
158	Interfacial Rheology of Gallium-Based Liquid Metals. <i>Langmuir</i> , <b>2019</b> , 35, 11774-11783	4	41
157	Hydrogel/Elastomer Laminates Bonded via Fabric Interphases for Stimuli-Responsive Actuators. <i>Matter</i> , <b>2019</b> , 1, 674-689	12.7	45
156	Shear-Driven Direct-Write Printing of Room-Temperature Gallium-Based Liquid Metal Alloys. <i>Advanced Engineering Materials</i> , <b>2019</b> , 21, 1900400	3.5	23
155	Liquid Metal Nanoparticles as Initiators for Radical Polymerization of Vinyl Monomers. <i>ACS Macro Letters</i> , <b>2019</b> , 8, 1522-1527	6.6	44
154	Planar, Multifunctional 3D Printed Antennas Using Liquid Metal Parasitics. <i>IEEE Access</i> , <b>2019</b> , 7, 134245-134255	4.3	22
153	Thermo-mechanical transformation of shape memory polymers from initially flat discs to bowls and saddles. <i>Smart Materials and Structures</i> , <b>2019</b> , 28, 045011	3.4	14

152	Towards Wearable Electrochemical Lactate Sensing using Osmotic-Capillary Microfluidic Pumping <b>2019</b> ,		4
151	Optimizing the energy balance to achieve autonomous self-powering for vigilant health and IoT applications. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1407, 012001	0.3	4
150	Functional Liquid Metal Nanoparticles Produced by Liquid-Based Nebulization. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1800420	6.8	53
149	Light-Induced Buckles Localized by Polymeric Inks Printed on Bilayer Films. <i>Small</i> , <b>2018</b> , 14, e1704460	11	4
148	Liquid metals: fundamentals and applications in chemistry. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 4073-4111	18.5	432
147	Soft electrodes combining hydrogel and liquid metal. <i>Soft Matter</i> , <b>2018</b> , 14, 3296-3303	3.6	65
146	Silicones for Stretchable and Durable Soft Devices: Beyond Sylgard-184. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 11261-11268	9.5	83
145	Liquid-Metal-Filled 3-D Antenna Array Structure With an Integrated Feeding Network. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 739-742	3.8	13
144	Patterned Liquid Metal Contacts for Printed Carbon Nanotube Transistors. <i>ACS Nano</i> , <b>2018</b> , 12, 5482-5488	8.7	49
143	3D Printed Coaxial Transmission Line Using Low Loss Dielectric and Liquid Metal Conductor <b>2018</b> ,		7
142	Mechanochromic Stretchable Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 29918-29924	9.5	54
141	Reversibly Reconfigurable Liquid Metal Patch Antenna Using A Superhydrophobic Spray-Coating <b>2018</b> ,		4
140	Sonication-enabled rapid production of stable liquid metal nanoparticles grafted with poly(1-octadecene-alt-maleic anhydride) in aqueous solutions. <i>Nanoscale</i> , <b>2018</b> , 10, 19871-19878	7.7	58
139	Patterning and Reversible Actuation of Liquid Gallium Alloys by Preventing Adhesion on Rough Surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 44686-44695	9.5	47
138	Superhydrophobic/oleophobic coatings based on a catalyst driven thiol-epoxy-acrylate ternary system. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46710	2.9	0
137	Electrically reconfigurable terahertz signal processing devices using liquid metal components. <i>Nature Communications</i> , <b>2018</b> , 9, 4202	17.4	22
136	In vitro electrochemical assessment of electrodes for neurostimulation in roach biobots. <i>PLoS ONE</i> , <b>2018</b> , 13, e0203880	3.7	3
135	Shape memory polymers for self-folding via compression of thermoplastic sheets. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46889	2.9	2

134	A Compound Frequency- and Polarization- Reconfigurable Crossed Dipole Using Multidirectional Spreading of Liquid Metal. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 79-82	3.8	35
133	Electrowetting-actuated liquid metal for RF applications. <i>Journal of Micromechanics and Microengineering</i> , <b>2017</b> , 27, 025010	2	38
132	Hydrogel-enabled osmotic pumping for microfluidics: towards wearable human-device interfaces. <i>Lab on A Chip</i> , <b>2017</b> , 17, 710-716	7.2	38
131	Wafer-scale two-dimensional semiconductors from printed oxide skin of liquid metals. <i>Nature Communications</i> , <b>2017</b> , 8, 14482	17.4	172
130	Controllable curvature from planar polymer sheets in response to light. <i>Soft Matter</i> , <b>2017</b> , 13, 2299-2308	9.6	34
129	Shape-transformable liquid metal nanoparticles in aqueous solution. <i>Chemical Science</i> , <b>2017</b> , 8, 3832-3837	7.4	104
128	Sequential self-folding of polymer sheets. <i>Science Advances</i> , <b>2017</b> , 3, e1602417	14.3	183
127	Electrowetting without external voltage using paint-on electrodes. <i>Lab on A Chip</i> , <b>2017</b> , 17, 1069-1075	7.2	12
126	Liquid metal enabled microfluidics. <i>Lab on A Chip</i> , <b>2017</b> , 17, 974-993	7.2	241
125	Stretchable and Soft Electronics using Liquid Metals. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606425	24	818
124	Flexible thermoelectric generator using bulk legs and liquid metal interconnects for wearable electronics. <i>Applied Energy</i> , <b>2017</b> , 202, 736-745	10.7	177
123	A fully coupled thermo-viscoelastic finite element model for self-folding shape memory polymer sheets. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2017</b> , 55, 1207-1219	2.6	15
122	Sensors: Stretchable Capacitive Sensors of Torsion, Strain, and Touch Using Double Helix Liquid Metal Fibers (Adv. Funct. Mater. 20/2017). <i>Advanced Functional Materials</i> , <b>2017</b> , 27,	15.6	2
121	Stretchable Capacitive Sensors of Torsion, Strain, and Touch Using Double Helix Liquid Metal Fibers. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1605630	15.6	171
120	Enhanced Endosomal Escape by Light-Fueled Liquid-Metal Transformer. <i>Nano Letters</i> , <b>2017</b> , 17, 2138-2145	15.5	109
119	Oxidation-Mediated Fingering in Liquid Metals. <i>Physical Review Letters</i> , <b>2017</b> , 119, 174502	7.4	41
118	Field-Controlled Electrical Switch with Liquid Metal. <i>Advanced Science</i> , <b>2017</b> , 4, 1700169	13.6	80
117	Vacuum-filling of liquid metals for 3D printed RF antennas. <i>Additive Manufacturing</i> , <b>2017</b> , 18, 221-227	6.1	29

116	Vacuum filling of complex microchannels with liquid metal. <i>Lab on A Chip</i> , <b>2017</b> , 17, 3043-3050	7.2	107
115	Stretchable bioelectronics: Current and future. <i>MRS Bulletin</i> , <b>2017</b> , 42, 960-967	3.2	10
114	Effects of thermo-mechanical behavior and hinge geometry on folding response of shape memory polymer sheets. <i>Journal of Applied Physics</i> , <b>2017</b> , 122, 195103	2.5	9
113	Surface modification of PET film via a large area atmospheric pressure plasma: An optical analysis of the plasma and surface characterization of the polymer film. <i>Surface and Coatings Technology</i> , <b>2017</b> , 309, 371-381	4.4	37
112	Rapid prototyping of low loss 3D printed waveguides for millimeter-wave applications <b>2017</b> ,		9
111	Using liquid metal alloy (EGaIn) to electrochemically enhance SS stimulation electrodes for biobotic applications. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2016</b> , 2016, 2141-2144	0.9	1
110	Localized Instabilities of Liquid Metal Films via In-Plane Recapillarity. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1600546	4.6	18
109	A Method to Manipulate Surface Tension of a Liquid Metal via Surface Oxidation and Reduction. <i>Journal of Visualized Experiments</i> , <b>2016</b> , e53567	1.6	4
108	Recent applications of liquid metals featuring nanoscale surface oxides <b>2016</b> ,		1
107	Liquid-Metal Microdroplets Formed Dynamically with Electrical Control of Size and Rate. <i>Advanced Materials</i> , <b>2016</b> , 28, 604-9	24	87
106	Self-Folding of Thick Polymer Sheets Using Gradients of Heat. <i>Journal of Mechanisms and Robotics</i> , <b>2016</b> , 8,	2.2	16
105	3D printing of liquid metals as fugitive inks for fabrication of 3D microfluidic channels. <i>Lab on A Chip</i> , <b>2016</b> , 16, 1812-20	7.2	145
104	Hydrogel composites: Shaped after print. <i>Nature Materials</i> , <b>2016</b> , 15, 379-80	27	15
103	Selective and directional actuation of elastomer films using chained magnetic nanoparticles. <i>Nanoscale</i> , <b>2016</b> , 8, 1309-13	7.7	48
102	2D or not 2D? Shape-programming polymer sheets. <i>Progress in Polymer Science</i> , <b>2016</b> , 52, 79-106	29.6	242
101	Ionoprinted Multi-Responsive Hydrogel Actuators. <i>Micromachines</i> , <b>2016</b> , 7,	3.3	36
100	Bending of Responsive Hydrogel Sheets Guided by Field-Assembled Microparticle Endoskeleton Structures. <i>Small</i> , <b>2016</b> , 12, 2283-90	11	49
99	Liquid gallium and the eutectic gallium indium (EGaIn) alloy: Dielectric functions from 1.24 to 3.1 eV by electrochemical reduction of surface oxides. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 091905	3.4	33

98	Amidation of Polyesters Is Slow in Nonaqueous Solvents: Efficient Amidation of Poly(ethylene terephthalate) with 3-Aminopropyltriethoxysilane in Water for Generating Multifunctional Surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 35641-35649	9.5	18
97	Liquid metal actuation by electrical control of interfacial tension. <i>Applied Physics Reviews</i> , <b>2016</b> , 3, 031103	7.3	90
96	A simple electroless plating solution for 3D printed microwave components <b>2016</b> ,		19
95	Liquid Metals for Soft and Stretchable Electronics. <i>Microsystems and Nanosystems</i> , <b>2016</b> , 3-30	0.4	11
94	Patterning via self-organization and self-folding: Beyond conventional lithography. <i>MRS Bulletin</i> , <b>2016</b> , 41, 93-96	3.2	11
93	Drawing liquid metal wires at room temperature. <i>Extreme Mechanics Letters</i> , <b>2016</b> , 7, 55-63	3.9	23
92	Recapillarity: Electrochemically Controlled Capillary Withdrawal of a Liquid Metal Alloy from Microchannels. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 671-678	15.6	84
91	Liquid metals as ultra-stretchable, soft, and shape reconfigurable conductors <b>2015</b> ,		6
90	Steering liquid metal flow in microchannels using low voltages. <i>Lab on A Chip</i> , <b>2015</b> , 15, 3905-11	7.2	55
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