

# Liang-Yin Chu

## 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.

225  
papers

9,159  
citations

50  
h-index

88  
g-index

248  
ext. papers

10,515  
ext. citations

7.6  
avg, IF

6.16  
L-index

#	Paper	IF	Citations
225	Interfaces coupling deformation mechanisms of liquid-liquid-liquid three-phase flow in a confined microchannel. <i>Chemical Engineering Journal</i> , <b>2022</b> , 434, 134769	14.7	0
224	A novel porous polyimide membrane with ultrahigh chemical stability for application in vanadium redox flow battery. <i>Chemical Engineering Journal</i> , <b>2022</b> , 428, 131203	14.7	9
223	A novel chemosensor for sensitive and facile detection of strontium ions based on ion-imprinted hydrogels modified with guanosine derivatives. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 421, 126801	12.8	3
222	Pseudo Polyampholytes with Sensitively Ion-Responsive Conformational Transition Based on Positively Charged Host-Guest Complexes.. <i>Macromolecular Rapid Communications</i> , <b>2022</b> , e2200127	4.8	0
221	Highly ion-selective sulfonated polyimide membranes with covalent self-crosslinking and branching structures for vanadium redox flow battery. <i>Chemical Engineering Journal</i> , <b>2022</b> , 437, 135414	14.7	2
220	Advanced membranes with responsive two-dimensional nanochannels <b>2021</b> , 1, 100012		1
219	Functional Capsules Encapsulating Molecular-Recognizable Nanogels for Facile Removal of Organic Micro-Pollutants from Water. <i>Engineering</i> , <b>2021</b> , 7, 636-636	9.7	3
218	Magnetically Assembled Photonic Crystal Gels with Wide Thermochromic Range and High Sensitivity. <i>Macromolecular Rapid Communications</i> , <b>2021</b> , 42, e2100200	4.8	3
217	Injectable Temperature/Glucose Dual-Responsive Hydrogels for Controlled Release of Insulin. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 8147-8158	3.9	3
216	Facile Fabrication of Photocatalyst-Immobilized Gel Beads with Interconnected Macropores for the Efficient Removal of Pollutants in Water. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 8762-8775 <sup>3</sup>	3.9	3
215	A novel double branched sulfonated polyimide membrane with ultra-high proton selectivity for vanadium redox flow battery. <i>Journal of Membrane Science</i> , <b>2021</b> , 628, 119259	9.6	14
214	Novel Multifunctional Stimuli-Responsive Nanoparticles for Synergetic Chemo-Photothermal Therapy of Tumors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 28802-28817	9.5	14
213	Smart microfluidic analogue of Wheatstone-bridge for real-time continuous detection with ultrasensitivity and wide dynamic range. <i>Chemical Engineering Journal</i> , <b>2021</b> , 407, 127138	14.7	7
212	Functional microparticles from multiscale regulation of multiphase emulsions for mass-transfer intensification. <i>Chemical Engineering Science</i> , <b>2021</b> , 231, 116242	4.4	3
211	Exploring the structural transition mechanisms of a pair of poly(N-isopropylacrylamide) chains in aqueous solution through coarse-grained molecular simulations coupled with metadynamics. <i>Molecular Simulation</i> , <b>2021</b> , 47, 480-489	2	0
210	Novel highly efficient branched polyfluoro sulfonated polyimide membranes for application in vanadium redox flow battery. <i>Journal of Power Sources</i> , <b>2021</b> , 485, 229354	8.9	14
209	Visual detection of trace lead(II) using a forward osmosis-driven device loaded with ion-responsive nanogels. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 404, 124157	12.8	3

208	Designable Micro-/Nano-Structured Smart Polymeric Materials.. <i>Advanced Materials</i> , <b>2021</b> , e2107877	24	5
207	Microfluidic Fabrication of Structure-Controlled Chitosan Microcapsules via Interfacial Cross-Linking of Droplet Templates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 57514-57525	9.5	10
206	Controllable microfluidic fabrication of microstructured functional materials. <i>Biomicrofluidics</i> , <b>2020</b> , 14, 061501	3.2	4
205	Smart Hydrogel Grating Immunosensors for Highly Selective and Sensitive Detection of Human-IgG. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 10469-10475	3.9	7
204	Antifouling membranes with bi-continuous porous structures and high fluxes prepared by vapor-induced phase separation. <i>Journal of Membrane Science</i> , <b>2020</b> , 611, 118256	9.6	11
203	Hybrid Graphene Oxide/Laponite Layered Membranes with Stable Two-Dimensional Nanochannels for Efficient Separations in Aqueous Environments. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 12441-12450	3.9	4
202	Magnetic hierarchical porous SiO microparticles from droplet microfluidics for water decontamination. <i>Soft Matter</i> , <b>2020</b> , 16, 2581-2593	3.6	7
201	First Exploration on a Poly(vinyl chloride) Ultrafiltration Membrane Prepared by Using the Sustainable Green Solvent PolarClean. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 91-101	8.3	18
200	Novel composite membranes for simultaneous catalytic degradation of organic contaminants and adsorption of heavy metal ions. <i>Separation and Purification Technology</i> , <b>2020</b> , 237, 116364	8.3	20
199	Simple and Continuous Fabrication of Self-Propelled Micromotors with Photocatalytic Metal-Organic Frameworks for Enhanced Synergistic Environmental Remediation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 35120-35131	9.5	29
198	A Novel Strategy to Fabricate Cation-Cross-linked Graphene Oxide Membrane with High Aqueous Stability and High Separation Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 56269-56280	8.5	14
197	Capsule membranes encapsulated with smart nanogels for facile detection of trace lead(II) ions in water. <i>Journal of Membrane Science</i> , <b>2020</b> , 613, 118523	9.6	8
196	Mesoscale regulation of droplet templates to tailor microparticle structures and functions. <i>Particuology</i> , <b>2020</b> , 48, 74-87	2.8	5
195	βCyclodextrin-modified graphene oxide membranes with large adsorption capacity and high flux for efficient removal of bisphenol A from water. <i>Journal of Membrane Science</i> , <b>2020</b> , 595, 117510	9.6	33
194	Smart Hydrogel Gratings for Sensitive, Facile, and Rapid Detection of Ethanol Concentration. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 17833-17841	3.9	10
193	An exploration of aptamer internalization mechanisms and their applications in drug delivery. <i>Expert Opinion on Drug Delivery</i> , <b>2019</b> , 16, 207-218	8	22
192	Transparent thermo-responsive poly(N-isopropylacrylamide)-l-poly(ethylene glycol)acrylamide conetwork hydrogels with rapid deswelling response. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 9507-9515	3.6	10
191	Acyclic Janus-AT Nucleoside Host Channels Precisely Lock Water into Single-File Wires with Local Rotational Flexibility. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 9601-9610	16.4	2

190	Nanocomposite Hydrogels with Optic-Sonic Transparency and Hydroacoustic-Sensitive Conductivity for Potential Antiscouting Sonar. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 20386-20393	9.5	9
189	Preparation and Characterization of Novel Low-Temperature/pH Dual-Responsive Poly(N-isopropylacrylamide-co-1H-benzimidazolyl-ethyl acrylate) Copolymers. <i>Macromolecular Chemistry and Physics</i> , <b>2019</b> , 220, 1900123	2.6	1
188	Effects of hydrophilicity of blended submicrogels on the microstructure and performance of thermo-responsive membranes. <i>Journal of Membrane Science</i> , <b>2019</b> , 584, 202-215	9.6	8
187	Membrane-based separation technologies: from polymeric materials to novel process: an outlook from China. <i>Reviews in Chemical Engineering</i> , <b>2019</b> , 36, 67-105	5	15
186	Fabrication and flow characteristics of monodisperse bullet-shaped microparticles with controllable structures. <i>Chemical Engineering Journal</i> , <b>2019</b> , 370, 925-937	14.7	18
185	Dual-responsive microcarriers with sphere-in-capsule structures for co-encapsulation and sequential release. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2019</b> , 98, 63-69	5.3	5
184	A novel membrane with ion-recognizable copolymers in graphene-based nanochannels for facilitated transport of potassium ions. <i>Journal of Membrane Science</i> , <b>2019</b> , 591, 117345	9.6	10
183	Chitosan microcapsule membranes with nanoscale thickness for controlled release of drugs. <i>Journal of Membrane Science</i> , <b>2019</b> , 590, 117275	9.6	25
182	Designable Polymeric Microparticles from Droplet Microfluidics for Controlled Drug Release. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1800687	6.8	41
181	Controllable Fabrication of Functional Microhelices with Droplet Microfluidics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 46241-46250	9.5	9
180	Composite bilayer films with organic compound-triggered bending properties. <i>Chinese Journal of Chemical Engineering</i> , <b>2019</b> , 27, 2587-2595	3.2	2
179	A novel smart membrane with ion-recognizable nanogels as gates on interconnected pores for simple and rapid detection of trace lead(II) ions in water. <i>Journal of Membrane Science</i> , <b>2019</b> , 575, 28-37	9.6	20
178	Bubble-Propelled Hierarchical Porous Micromotors from Evolved Double Emulsions. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 1590-1600	3.9	17
177	A Novel Thermo-responsive Catalytic Membrane with Multiscale Pores Prepared via Vapor-Induced Phase Separation. <i>Small</i> , <b>2018</b> , 14, e1703650	11	17
176	A Simple Device Based on Smart Hollow Microgels for Facile Detection of Trace Lead(II) Ions. <i>ChemPhysChem</i> , <b>2018</b> , 19, 2025-2036	3.2	6
175	Graphene-based membranes with uniform 2D nanochannels for precise sieving of mono-/multi-valent metal ions. <i>Journal of Membrane Science</i> , <b>2018</b> , 550, 208-218	9.6	65
174	Dual pH-responsive smart gating membranes. <i>Journal of Membrane Science</i> , <b>2018</b> , 555, 20-29	9.6	27
173	Facile Fabrication of Bubble-Propelled Micromotors Carrying Nanocatalysts for Water Remediation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 4562-4570	3.9	21

172	Trojan-Horse-Like Stimuli-Responsive Microcapsules. <i>Advanced Science</i> , <b>2018</b> , 5, 1700960	13.6	57
171	Effect of Oxidized-Group-Supported Lamellar Distance on Stability of Graphene-Based Membranes in Aqueous Solutions. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 9439-9447	3.9	17
170	Smart hydrogels: Network design and emerging applications. <i>Canadian Journal of Chemical Engineering</i> , <b>2018</b> , 96, 2100-2114	2.3	16
169	Preparation of high strength poly(vinylidene fluoride) porous membranes with cellular structure via vapor-induced phase separation. <i>Journal of Membrane Science</i> , <b>2018</b> , 549, 151-164	9.6	43
168	Nanostructured Thermoresponsive Surfaces Engineered via Stable Immobilization of Smart Nanogels with Assistance of Polydopamine. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 44092-44107	8.5	14
167	Novel Membrane Detector Based on Smart Nanogels for Ultrasensitive Detection of Trace Threat Substances. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 36425-36434	9.5	18
166	Ultrasensitive diffraction gratings based on smart hydrogels for highly selective and rapid detection of trace heavy metal ions. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 11356-11367	7.1	26
165	Microfluidic fabrication of core-shell composite phase change microfibers with enhanced thermal conductive property. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 15769-15783	4.3	10
164	Nanocomposite smart hydrogels with improved responsiveness and mechanical properties: A mini review. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2018</b> , 56, 1306-1313	2.6	36
163	Controllable Microfluidic Fabrication of Magnetic Hybrid Microswimmers with Hollow Helical Structures. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 9430-9438	3.9	19
162	Monodisperse Na <sub>2</sub> SO <sub>4</sub> ·10H <sub>2</sub> O Microparticles against Supercooling and Phase Separation during Phase Change for Efficient Energy Storage. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 3297-3308	3.9	22
161	Microfluidic Fabrication of Monodisperse Hydrogel Microparticles <b>2017</b> , 55-77		
160	Reduced Graphene Oxide-Containing Smart Hydrogels with Excellent Electro-Response and Mechanical Properties for Soft Actuators. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 15758-15767	9.5	154
159	Facile Fabrication of Composite Membranes with Dual Thermo- and pH-Responsive Characteristics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 14409-14421	9.5	30
158	Microfluidic Fabrication of Controllable Multicompartmental Microparticles <b>2017</b> , 211-221		
157	Microfluidic Fabrication of Microvalve-in-a-Chip <b>2017</b> , 267-293		
156	Summary and Perspective <b>2017</b> , 295-298		
155	Microfluidic Fabrication of Monodisperse Hollow Microcapsules <b>2017</b> , 123-160		

154	Microfluidic Fabrication of Monodisperse CoreShell Microcapsules <b>2017</b> , 161-185		
153	Microfluidic Fabrication of Monodisperse HoleShell Microparticles <b>2017</b> , 187-209		
152	Microfluidic Fabrication of Membrane-in-a-Chip with Self-Regulated Permeability <b>2017</b> , 253-266		2
151	Microfluidic Fabrication of Functional Microfibers with Controllable Internals <b>2017</b> , 223-251		
150	Shear-Induced Generation of Controllable Multiple Emulsions in Microfluidic Devices <b>2017</b> , 11-34		
149	Wetting-Induced Generation of Controllable Multiple Emulsions in Microfluidic Devices <b>2017</b> , 35-53		
148	Microfluidic Fabrication of Uniform Hierarchical Porous Microparticles <b>2017</b> , 105-121		
147	Microfluidic Fabrication of Monodisperse Porous Microparticles <b>2017</b> , 79-104		
146	Polymersomes with Rapid K-Triggered Drug-Release Behaviors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 19258-19268	9.5	19
145	K-Responsive Block Copolymer Micelles for Targeted Intracellular Drug Delivery. <i>Macromolecular Bioscience</i> , <b>2017</b> , 17, 1700143	5.5	8
144	Novel Biocompatible Thermoresponsive Poly(N-vinyl Caprolactam)/Clay Nanocomposite Hydrogels with Macroporous Structure and Improved Mechanical Characteristics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 21979-21990	9.5	41
143	Controllable fabrication of polyethersulfone hollow fiber membranes with a facile double co-axial microfluidic device. <i>Journal of Membrane Science</i> , <b>2017</b> , 526, 9-17	9.6	11
142	Novel Smart Microreactors Equipped with Responsive Catalytic Nanoparticles on Microchannels. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 33137-33148	9.5	14
141	Controllable Microfluidic Fabrication of Microstructured Materials from Nonspherical Particles to Helices. <i>Macromolecular Rapid Communications</i> , <b>2017</b> , 38, 1700429	4.8	14
140	PVDF blended PVDF-g-PMAA pH-responsive membrane: Effect of additives and solvents on membrane properties and performance. <i>Journal of Membrane Science</i> , <b>2017</b> , 541, 558-566	9.6	28
139	A Novel Poly(N-Isopropylacrylamide-co-acryloylamidobenzo-12-crown-4) Microgel with Rapid Stimuli-Responsiveness for Molecule-Specific Adsorption of $\beta$ -Cyclodextrin. <i>Macromolecular Chemistry and Physics</i> , <b>2017</b> , 218, 1700216	2.6	5
138	Graphene-based membranes for molecular and ionic separations in aqueous environments. <i>Chinese Journal of Chemical Engineering</i> , <b>2017</b> , 25, 1598-1605	3.2	27
137	Gamma-Cyclodextrin-Recognition-Responsive Characteristics of Poly(N-isopropylacrylamide)-Based Hydrogels with Benzo-12-crown-4 Units as Signal Receptors. <i>Macromolecular Chemistry and Physics</i> , <b>2017</b> , 218, 1600386	2.6	4

136	Facile immobilization of Ag nanoparticles on microchannel walls in microreactors for catalytic applications. <i>Chemical Engineering Journal</i> , <b>2017</b> , 309, 691-699	14.7	43
135	Ion-recognizable hydrogels for efficient removal of cesium ions from aqueous environment. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 323, 632-640	12.8	65
134	Red-blood-cell-shaped chitosan microparticles prepared by electrospraying. <i>Particuology</i> , <b>2017</b> , 30, 151-157	15.7	25
133	Stimuli-Responsive Capsule Membranes for Controlled Release in Pharmaceutical Applications. <i>Current Pharmaceutical Design</i> , <b>2017</b> , 23, 295-301	3.3	6
132	Controllable microfluidic strategies for fabricating microparticles using emulsions as templates. <i>Particuology</i> , <b>2016</b> , 24, 18-31	2.8	43
131	Effects of fabrication conditions on the microstructures and performances of smart gating membranes with in situ assembled nanogels as gates. <i>Journal of Membrane Science</i> , <b>2016</b> , 519, 32-44	9.6	30
130	Microfluidic generation of hollow Ca-alginate microfibers. <i>Lab on A Chip</i> , <b>2016</b> , 16, 2673-81	7.2	41
129	Diffusional permeability characteristics of positively K <sup>+</sup> -responsive membranes caused by spontaneously changing membrane pore size and surface wettability. <i>Journal of Membrane Science</i> , <b>2016</b> , 497, 328-338	9.6	16
128	A novel synthetic microfiber with controllable size for cell encapsulation and culture. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 2455-2465	7.3	14
127	Controllable Multicompartmental Capsules with Distinct Cores and Shells for Synergistic Release. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 8743-54	9.5	37
126	Ultrasensitive microchip based on smart microgel for real-time online detection of trace threat analytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 2023-8	11.5	34
125	Stimuli-responsive smart gating membranes. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 460-75	58.5	236
124	Ethanol-Responsive Poly(Vinylidene Difluoride) Membranes with Nanogels as Functional Gates. <i>Chemical Engineering and Technology</i> , <b>2016</b> , 39, 841-848	2	4
123	Graphene Oxide Membranes with Strong Stability in Aqueous Solutions and Controllable Lamellar Spacing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 15557-66	9.5	107
122	Online monitoring of ethanol concentration using a responsive microfluidic membrane device. <i>Analytical Methods</i> , <b>2016</b> , 8, 4028-4036	3.2	6
121	Core-Shell Chitosan Microcapsules for Programmed Sequential Drug Release. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 10524-34	9.5	86
120	Fabrication of a thermo-responsive membrane with cross-linked smart gates via a "grafting-to" method. <i>RSC Advances</i> , <b>2016</b> , 6, 45428-45433	3.7	12
119	The microfluidic synthesis of composite hollow microfibers for K <sup>+</sup> -responsive controlled release based on a host-guest system. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 3925-3935	7.3	16

118	Spontaneous transfer of droplets across microfluidic laminar interfaces. <i>Lab on A Chip</i> , <b>2016</b> , 16, 4326-4332		10
117	On-chip thermo-triggered coalescence of controllable Pickering emulsion droplet pairs. <i>RSC Advances</i> , <b>2016</b> , 6, 64182-64192	3.7	21
116	Smart Hydrogels with Inhomogeneous Structures Assembled Using Nanoclay-Cross-Linked Hydrogel Subunits as Building Blocks. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 21721-30	9.5	82
115	Insights into the effects of 2:1 "sandwich-type" crown-ether/metal-ion complexes in responsive host-guest systems. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 1696-705	3.4	41
114	'Smart' nanoparticles as drug delivery systems for applications in tumor therapy. <i>Expert Opinion on Drug Delivery</i> , <b>2015</b> , 12, 1943-53	8	27
113	Microfluidic Fabrication of Bio-Inspired Microfibers with Controllable Magnetic Spindle-Knots for 3D Assembly and Water Collection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 17471-81	9.5	76
112	Monodisperse erythrocyte-sized and acid-soluble chitosan microspheres prepared via electrospraying. <i>RSC Advances</i> , <b>2015</b> , 5, 34243-34250	3.7	21
111	Uniform Microparticles with Controllable Highly Interconnected Hierarchical Porous Structures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 13758-67	9.5	43
110	Poly(N-isopropylacrylamide)-Clay Nanocomposite Hydrogels with Responsive Bending Property as Temperature-Controlled Manipulators. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 2980-2991	15.6	251
109	Self-Assembling Monomeric Nucleoside Molecular Nanoparticles Loaded with 5-FU Enhancing Therapeutic Efficacy against Oral Cancer. <i>ACS Nano</i> , <b>2015</b> , 9, 9638-51	16.7	36
108	Near-Infrared Light-Responsive Poly(N-isopropylacrylamide)/Graphene Oxide Nanocomposite Hydrogels with Ultrahigh Tensibility. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 27289-98	9.5	148
107	Fabrication of glass-based microfluidic devices with dry film photoresists as pattern transfer masks for wet etching. <i>RSC Advances</i> , <b>2015</b> , 5, 5638-5646	3.7	42
106	pH-responsive controlled release characteristics of solutes with different molecular weights diffusing across membranes of Ca-alginate/protamine/silica hybrid capsules. <i>Journal of Membrane Science</i> , <b>2015</b> , 474, 233-243	9.6	22
105	Smart gating membranes with in situ self-assembled responsive nanogels as functional gates. <i>Scientific Reports</i> , <b>2015</b> , 5, 14708	4.9	34
104	Microfluidic-based fabrication, characterization and magnetic functionalization of microparticles with novel internal anisotropic structure. <i>Scientific Reports</i> , <b>2015</b> , 5, 13060	4.9	18
103	Hydrogel Walkers with Electro-Driven Motility for Cargo Transport. <i>Scientific Reports</i> , <b>2015</b> , 5, 13622	4.9	81
102	Microfluidic fabrication and thermal characteristics of core-shell phase change microfibers with high paraffin content. <i>Applied Thermal Engineering</i> , <b>2015</b> , 87, 471-480	5.8	19
101	Fabrication of nanofibers with phase-change core and hydrophobic shell, via coaxial electrospinning using nontoxic solvent. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 5729-5738	4.3	37



100	Smart Hydrogels: Poly(N-isopropylacrylamide)-Clay Nanocomposite Hydrogels with Responsive Bending Property as Temperature-Controlled Manipulators (Adv. Funct. Mater. 20/2015). <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 3104-3104	15.6	5
99	Plug-n-play microfluidic systems from flexible assembly of glass-based flow-control modules. <i>Lab on A Chip</i> , <b>2015</b> , 15, 1869-78	7.2	31
98	Monodisperse hybrid microcapsules with an ultrathin shell of submicron thickness for rapid enzyme reactions. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 796-803	7.3	15
97	Microfluidic fabrication of chitosan microfibers with controllable internals from tubular to peapod-like structures. <i>RSC Advances</i> , <b>2015</b> , 5, 928-936	3.7	46
96	A novel, smart microsphere with K(+)-induced shrinking and aggregating properties based on a responsive host-guest system. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 19405-15	9.5	16
95	A facile and controllable method to encapsulate phase change materials with non-toxic and biocompatible chemicals. <i>Applied Thermal Engineering</i> , <b>2014</b> , 70, 817-826	5.8	21
94	Smart microcapsules for direction-specific burst release of hydrophobic drugs. <i>RSC Advances</i> , <b>2014</b> , 4, 46568-46575	3.7	19
93	Visual detection of lead(II) using a simple device based on P(NIPAM-co-B18C6Am) hydrogel. <i>RSC Advances</i> , <b>2014</b> , 4, 26030-26037	3.7	11
92	A simple strategy for in situ fabrication of a smart hydrogel microvalve within microchannels for thermostatic control. <i>Lab on A Chip</i> , <b>2014</b> , 14, 2626-34	7.2	23
91	Monodisperse and fast-responsive poly(N-isopropylacrylamide) microgels with open-celled porous structure. <i>Langmuir</i> , <b>2014</b> , 30, 1455-64	4	40
90	Wetting-induced coalescence of nanoliter drops as microreactors in microfluidics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 3817-21	9.5	19
89	Complex self-assembly of pyrimido[4,5-d]pyrimidine nucleoside supramolecular structures. <i>Nature Communications</i> , <b>2014</b> , 5, 3108	17.4	39
88	Beta-cyclodextrin-based molecular-recognizable smart microcapsules for controlled release. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 6862-6871	4.3	10
87	Functional polymeric microparticles engineered from controllable microfluidic emulsions. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 373-84	24.3	186
86	Novel intestinal-targeted Ca-alginate-based carrier for pH-responsive protection and release of lactic acid bacteria. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 5962-70	9.5	59
85	Multi-Stimuli-Responsive Microcapsules for Adjustable Controlled-Release. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 3312-3323	15.6	115
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83	A novel smart microsphere with magnetic core and ion-recognizable shell for Pb <sup>2+</sup> adsorption and separation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 9530-42	9.5	56

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75	A novel surgery-like strategy for droplet coalescence in microchannels. <i>Lab on A Chip</i> , <b>2013</b> , 13, 3653-7	7.2	29
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71	Wetting-induced formation of controllable monodisperse multiple emulsions in microfluidics. <i>Lab on A Chip</i> , <b>2013</b> , 13, 4047-52	7.2	58
70	Gating membranes for water treatment: detection and removal of trace Pb <sup>2+</sup> ions based on molecular recognition and polymer phase transition. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 9659	13	59
69	Bio-inspired mini-eggs with pH-responsive membrane for enzyme immobilization. <i>Journal of Membrane Science</i> , <b>2013</b> , 429, 313-322	9.6	24
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