Rui Xie

List of Publications by Year in Descending Order

155 papers	5,693 citations	43 h-index	67 g-index
167 ext. papers	6,602 ext. citations	7.6 avg, IF	5.7 L-index

#	Paper	IF	Citations
155	A novel chemosensor for sensitive and facile detection of strontium ions based on ion-imprinted hydrogels modified with guanosine derivatives. *Journal of Hazardous Materials*, **2022**, 421, 126801	12.8	3
154	Pseudo Polyampholytes with Sensitively Ion-Responsive Conformational Transition Based on Positively Charged Host-Guest Complexes.. *Macromolecular Rapid Communications*, **2022**, e2200127	4.8	0
153	Functional Capsules Encapsulating Molecular-Recognizable Nanogels for Facile Removal of Organic Micro-Pollutants from Water. *Engineering*, **2021**, 7, 636-636	9.7	3
152	Magnetically Assembled Photonic Crystal Gels with Wide Thermochromic Range and High Sensitivity. *Macromolecular Rapid Communications*, **2021**, 42, e2100200	4.8	3
151	Injectable Temperature/Glucose Dual-Responsive Hydrogels for Controlled Release of Insulin. *Industrial & Engineering Chemistry Research*, **2021**, 60, 8147-8158	3.9	3
150	Facile Fabrication of Photocatalyst-Immobilized Gel Beads with Interconnected Macropores for the Efficient Removal of Pollutants in Water. *Industrial & Engineering Chemistry Research*, **2021**, 60, 8762-8775	3.9	3
149	Novel Multifunctional Stimuli-Responsive Nanoparticles for Synergetic Chemo-Photothermal Therapy of Tumors. *ACS Applied Materials & Interfaces*, **2021**, 13, 28802-28817	9.5	14
148	Visual detection of trace lead(II) using a forward osmosis-driven device loaded with ion-responsive nanogels. *Journal of Hazardous Materials*, **2021**, 404, 124157	12.8	3
147	Designable Micro-/Nano-Structured Smart Polymeric Materials.. *Advanced Materials*, **2021**, e2107877	24	5
146	Microfluidic Fabrication of Structure-Controlled Chitosan Microcapsules via Interfacial Cross-Linking of Droplet Templates. *ACS Applied Materials & Interfaces*, **2020**, 12, 57514-57525	9.5	10
145	Smart Hydrogel Grating Immunosensors for Highly Selective and Sensitive Detection of Human-IgG. *Industrial & Engineering Chemistry Research*, **2020**, 59, 10469-10475	3.9	7
144	Antifouling membranes with bi-continuous porous structures and high fluxes prepared by vapor-induced phase separation. *Journal of Membrane Science*, **2020**, 611, 118256	9.6	11
143	Hybrid Graphene Oxide/Laponite Layered Membranes with Stable Two-Dimensional Nanochannels for Efficient Separations in Aqueous Environments. *Industrial & Engineering Chemistry Research* , **2020**, 59, 12441-12450	3.9	4
142	Simple and Continuous Fabrication of Self-Propelled Micromotors with Photocatalytic Metal-Organic Frameworks for Enhanced Synergistic Environmental Remediation. *ACS Applied Materials & Interfaces*, **2020**, 12, 35120-35131	9.5	29
141	A Novel Strategy to Fabricate Cation-Cross-linked Graphene Oxide Membrane with High Aqueous Stability and High Separation Performance. *ACS Applied Materials & Interfaces*, **2020**, 12, 56269-56280	9.5	14
140	Capsule membranes encapsulated with smart nanogels for facile detection of trace lead(II) ions in water. *Journal of Membrane Science*, **2020**, 613, 118523	9.6	8
139	Smart Hydrogel Gratings for Sensitive, Facile, and Rapid Detection of Ethanol Concentration. *Industrial & Engineering Chemistry Research*, **2019**, 58, 17833-17841	3.9	10

138	Transparent thermo-responsive poly(N-isopropylacrylamide)-l-poly(ethylene glycol)acrylamide conetwork hydrogels with rapid deswelling response. *New Journal of Chemistry*, **2019**, 43, 9507-9515	3.6	10
137	Preparation and Characterization of Novel Low-Temperature/pH Dual-Responsive Poly(N-isopropylacrylamide-co-1H-benzimidazolyl-ethyl acrylate) Copolymers. *Macromolecular Chemistry and Physics*, **2019**, 220, 1900123	2.6	1
136	Effects of hydrophilicity of blended submicrogels on the microstructure and performance of thermo-responsive membranes. *Journal of Membrane Science*, **2019**, 584, 202-215	9.6	8
135	A novel membrane with ion-recognizable copolymers in graphene-based nanochannels for facilitated transport of potassium ions. *Journal of Membrane Science*, **2019**, 591, 117345	9.6	10
134	Chitosan microcapsule membranes with nanoscale thickness for controlled release of drugs. *Journal of Membrane Science*, **2019**, 590, 117275	9.6	25
133	Designable Polymeric Microparticles from Droplet Microfluidics for Controlled Drug Release. *Advanced Materials Technologies*, **2019**, 4, 1800687	6.8	41
132	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. *Journal of Membrane Science*, **2019**, 575, 28-37	9.6	20
131	Bubble-Propelled Hierarchical Porous Micromotors from Evolved Double Emulsions. *Industrial & Engineering Chemistry Research*, **2019**, 58, 1590-1600	3.9	17
130	CO2-responsive poly(N,N-dimethylaminoethyl methacrylate) hydrogels with fast responsive rate. *Journal of the Taiwan Institute of Chemical Engineers*, **2019**, 94, 135-142	5.3	8
129	A Novel Thermoresponsive Catalytic Membrane with Multiscale Pores Prepared via Vapor-Induced Phase Separation. *Small*, **2018**, 14, e1703650	11	17
128	A Simple Device Based on Smart Hollow Microgels for Facile Detection of Trace Lead(II) Ions. *ChemPhysChem*, **2018**, 19, 2025-2036	3.2	6
127	Controllable synthesis of MnO2 nanostructures anchored on graphite foam with different morphologies for a high-performance asymmetric supercapacitor. *CrystEngComm*, **2018**, 20, 1690-1697	3.3	31
126	Graphene-based membranes with uniform 2D nanochannels for precise sieving of mono-/multi-valent metal ions. *Journal of Membrane Science*, **2018**, 550, 208-218	9.6	65
125	Dual pH-responsive smart gating membranes. *Journal of Membrane Science*, **2018**, 555, 20-29	9.6	27
124	Facile Fabrication of Bubble-Propelled Micromotors Carrying Nanocatalysts for Water Remediation. *Industrial & Engineering Chemistry Research*, **2018**, 57, 4562-4570	3.9	21
123	Trojan-Horse-Like Stimuli-Responsive Microcapsules. *Advanced Science*, **2018**, 5, 1700960	13.6	57
122	Effect of Oxidized-Group-Supported Lamellar Distance on Stability of Graphene-Based Membranes in Aqueous Solutions. *Industrial & Engineering Chemistry Research*, **2018**, 57, 9439-9447	3.9	17
121	Smart hydrogels: Network design and emerging applications. *Canadian Journal of Chemical Engineering*, **2018**, 96, 2100-2114	2.3	16

120	Preparation of high strength poly(vinylidene fluoride) porous membranes with cellular structure via vapor-induced phase separation. *Journal of Membrane Science*, **2018**, 549, 151-164	9.6	43
119	Nanostructured Thermoresponsive Surfaces Engineered via Stable Immobilization of Smart Nanogels with Assistance of Polydopamine. *ACS Applied Materials & Interfaces*, **2018**, 10, 44092-44101	8.5	14
118	Ultrasensitive diffraction gratings based on smart hydrogels for highly selective and rapid detection of trace heavy metal ions. *Journal of Materials Chemistry C*, **2018**, 6, 11356-11367	7.1	26
117	Microfluidic fabrication of core–sheath composite phase change microfibers with enhanced thermal conductive property. *Journal of Materials Science*, **2018**, 53, 15769-15783	4.3	10
116	Nanocomposite smart hydrogels with improved responsiveness and mechanical properties: A mini review. *Journal of Polymer Science, Part B: Polymer Physics*, **2018**, 56, 1306-1313	2.6	36
115	Controllable Microfluidic Fabrication of Magnetic Hybrid Microswimmers with Hollow Helical Structures. *Industrial & Engineering Chemistry Research*, **2018**, 57, 9430-9438	3.9	19
114	Monodisperse Na2SO4·10H22 Microparticles against Supercooling and Phase Separation during Phase Change for Efficient Energy Storage. *Industrial & Engineering Chemistry Research*, **2017**, 56, 3297-3308	3.9	22
113	Reduced Graphene Oxide-Containing Smart Hydrogels with Excellent Electro-Response and Mechanical Properties for Soft Actuators. *ACS Applied Materials & Interfaces*, **2017**, 9, 15758-15767	9.5	154
112	Facile Fabrication of Composite Membranes with Dual Thermo- and pH-Responsive Characteristics. *ACS Applied Materials & Interfaces*, **2017**, 9, 14409-14421	9.5	30
111	Polymersomes with Rapid K-Triggered Drug-Release Behaviors. *ACS Applied Materials & Interfaces*, **2017**, 9, 19258-19268	9.5	19
110	K -Responsive Block Copolymer Micelles for Targeted Intracellular Drug Delivery. *Macromolecular Bioscience*, **2017**, 17, 1700143	5.5	8
109	Novel Biocompatible Thermoresponsive Poly(N-vinyl Caprolactam)/Clay Nanocomposite Hydrogels with Macroporous Structure and Improved Mechanical Characteristics. *ACS Applied Materials & Interfaces*, **2017**, 9, 21979-21990	9.5	41
108	Novel Smart Microreactors Equipped with Responsive Catalytic Nanoparticles on Microchannels. *ACS Applied Materials & Interfaces*, **2017**, 9, 33137-33148	9.5	14
107	Controllable Microfluidic Fabrication of Microstructured Materials from Nonspherical Particles to Helices. *Macromolecular Rapid Communications*, **2017**, 38, 1700429	4.8	14
106	A Novel Poly(N-Isopropylacrylamide-co-acryloylamidobenzo-12-crown-4) Microgel with Rapid Stimuli-Responsiveness for Molecule-Specific Adsorption of -Cyclodextrin. *Macromolecular Chemistry and Physics*, **2017**, 218, 1700216	2.6	5
105	Gamma-Cyclodextrin-Recognition-Responsive Characteristics of Poly(N-isopropylacrylamide)-Based Hydrogels with Benzo-12-crown-4 Units as Signal Receptors. *Macromolecular Chemistry and Physics*, **2017**, 218, 1600386	2.6	4
104	Ion-recognizable hydrogels for efficient removal of cesium ions from aqueous environment. *Journal of Hazardous Materials*, **2017**, 323, 632-640	12.8	65
103	Controllable microfluidic strategies for fabricating microparticles using emulsions as templates. *Particuology*, **2016**, 24, 18-31	2.8	43

102	Effects of fabrication conditions on the microstructures and performances of smart gating membranes with in situ assembled nanogels as gates. *Journal of Membrane Science*, **2016**, 519, 32-44	9.6	30
101	Microfluidic generation of hollow Ca-alginate microfibers. *Lab on A Chip*, **2016**, 16, 2673-81	7.2	41
100	Diffusional permeability characteristics of positively K+-responsive membranes caused by spontaneously changing membrane pore size and surface wettability. *Journal of Membrane Science*, **2016**, 497, 328-338	9.6	16
99	Controllable Multicompartmental Capsules with Distinct Cores and Shells for Synergistic Release. *ACS Applied Materials & Interfaces*, **2016**, 8, 8743-54	9.5	37
98	Ultrasensitive microchip based on smart microgel for real-time online detection of trace threat analytes. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 2023-8	11.5	34
97	An easily recoverable thermo-sensitive polyelectrolyte as draw agent for forward osmosis process. *Chinese Journal of Chemical Engineering*, **2016**, 24, 86-93	3.2	14
96	Stimuli-responsive smart gating membranes. *Chemical Society Reviews*, **2016**, 45, 460-75	58.5	236
95	Ethanol-Responsive Poly(Vinylidene Difluoride) Membranes with Nanogels as Functional Gates. *Chemical Engineering and Technology*, **2016**, 39, 841-848	2	4
94	Graphene Oxide Membranes with Strong Stability in Aqueous Solutions and Controllable Lamellar Spacing. *ACS Applied Materials & Interfaces*, **2016**, 8, 15557-66	9.5	107
93	Online monitoring of ethanol concentration using a responsive microfluidic membrane device. *Analytical Methods*, **2016**, 8, 4028-4036	3.2	6
92	Core-Shell Chitosan Microcapsules for Programmed Sequential Drug Release. *ACS Applied Materials & Interfaces*, **2016**, 8, 10524-34	9.5	86
91	Fabrication of a thermo-responsive membrane with cross-linked smart gates via a "grafting-to" method. *RSC Advances*, **2016**, 6, 45428-45433	3.7	12
90	Microfluidic-based generation of functional microfibers for biomimetic complex tissue construction. *Acta Biomaterialia*, **2016**, 38, 153-62	10.8	56
89	The microfluidic synthesis of composite hollow microfibers for K-responsive controlled release based on a host-guest system. *Journal of Materials Chemistry B*, **2016**, 4, 3925-3935	7.3	16
88	Spontaneous transfer of droplets across microfluidic laminar interfaces. *Lab on A Chip*, **2016**, 16, 4326-4332	7.2	10
87	On-chip thermo-triggered coalescence of controllable Pickering emulsion droplet pairs. *RSC Advances*, **2016**, 6, 64182-64192	3.7	21
86	Smart Hydrogels with Inhomogeneous Structures Assembled Using Nanoclay-Cross-Linked Hydrogel Subunits as Building Blocks. *ACS Applied Materials & Interfaces*, **2016**, 8, 21721-30	9.5	82
85	Microfluidic Fabrication of Bio-Inspired Microfibers with Controllable Magnetic Spindle-Knots for 3D Assembly and Water Collection. *ACS Applied Materials & Interfaces*, **2015**, 7, 17471-81	9.5	76

84	Monodisperse erythrocyte-sized and acid-soluble chitosan microspheres prepared via electrospraying. *RSC Advances*, **2015**, 5, 34243-34250	3.7	21
83	Uniform Microparticles with Controllable Highly Interconnected Hierarchical Porous Structures. *ACS Applied Materials & Interfaces*, **2015**, 7, 13758-67	9.5	43
82	Near-Infrared Light-Responsive Poly(N-isopropylacrylamide)/Graphene Oxide Nanocomposite Hydrogels with Ultrahigh Tensibility. *ACS Applied Materials & Interfaces*, **2015**, 7, 27289-98	9.5	148
81	Fabrication of glass-based microfluidic devices with dry film photoresists as pattern transfer masks for wet etching. *RSC Advances*, **2015**, 5, 5638-5646	3.7	42
80	pH-responsive controlled release characteristics of solutes with different molecular weights diffusing across membranes of Ca-alginate/protamine/silica hybrid capsules. *Journal of Membrane Science*, **2015**, 474, 233-243	9.6	22
79	Smart gating membranes with in situ self-assembled responsive nanogels as functional gates. *Scientific Reports*, **2015**, 5, 14708	4.9	34
78	Hydrogel Walkers with Electro-Driven Motility for Cargo Transport. *Scientific Reports*, **2015**, 5, 13622	4.9	81
77	Enhanced H-filter based on Fåhræus-Lindqvist effect for efficient and robust dialysis without membrane. *Biomicrofluidics*, **2015**, 9, 044112	3.2	2
76	Microfluidic fabrication and thermal characteristics of core–shell phase change microfibers with high paraffin content. *Applied Thermal Engineering*, **2015**, 87, 471-480	5.8	19
75	Fabrication of nanofibers with phase-change core and hydrophobic shell, via coaxial electrospinning using nontoxic solvent. *Journal of Materials Science*, **2015**, 50, 5729-5738	4.3	37
74	Microfluidic fabrication of chitosan microfibers with controllable internals from tubular to peapod-like structures. *RSC Advances*, **2015**, 5, 928-936	3.7	46
73	A novel, smart microsphere with K(+)-induced shrinking and aggregating properties based on a responsive host-guest system. *ACS Applied Materials & Interfaces*, **2014**, 6, 19405-15	9.5	16
72	A facile and controllable method to encapsulate phase change materials with non-toxic and biocompatible chemicals. *Applied Thermal Engineering*, **2014**, 70, 817-826	5.8	21
71	Smart microcapsules for direction-specific burst release of hydrophobic drugs. *RSC Advances*, **2014**, 4, 46568-46575	3.7	19
70	Visual detection of lead(II) using a simple device based on P(NIPAM-co-B18C6Am) hydrogel. *RSC Advances*, **2014**, 4, 26030-26037	3.7	11
69	Monodisperse and fast-responsive poly(N-isopropylacrylamide) microgels with open-celled porous structure. *Langmuir*, **2014**, 30, 1455-64	4	40
68	Beta-cyclodextrin-based molecular-recognizable smart microcapsules for controlled release. *Journal of Materials Science*, **2014**, 49, 6862-6871	4.3	10
67	Novel intestinal-targeted Ca-alginate-based carrier for pH-responsive protection and release of lactic acid bacteria. *ACS Applied Materials & Interfaces*, **2014**, 6, 5962-70	9.5	59

66	Multi-Stimuli-Responsive Microcapsules for Adjustable Controlled-Release. *Advanced Functional Materials*, **2014**, 24, 3312-3323	15.6	115
65	pH-responsive poly(ether sulfone) composite membranes blended with amphiphilic polystyrene-block-poly(acrylic acid) copolymers. *Journal of Membrane Science*, **2014**, 450, 162-173	9.6	72
64	Visual detection of methanol in alcoholic beverages using alcohol-responsive poly(N-isopropylacrylamide-co-N,N-dimethylacrylamide) copolymers as indicators. *RSC Advances*, **2014**, 4, 61711-61721	3.7	8
63	Macromol. Rapid Commun. 14/2014. *Macromolecular Rapid Communications*, **2014**, 35, 1308-1308	4.8	
62	Ethanol-responsive characteristics of polyethersulfone composite membranes blended with poly(N-isopropylacrylamide) nanogels. *Journal of Applied Polymer Science*, **2014**, 131,	2.9	50
61	Drug Delivery: Multi-Stimuli-Responsive Microcapsules for Adjustable Controlled-Release (Adv. Funct. Mater. 22/2014). *Advanced Functional Materials*, **2014**, 24, 3290-3290	15.6	3
60	Multiple emulsion formation from controllable drop pairs in microfluidics. *Microfluidics and Nanofluidics*, **2014**, 17, 967-972	2.8	13
59	Alginate/protamine/silica hybrid capsules with ultrathin membranes for laccase immobilization. *AICHE Journal*, **2013**, 59, 380-389	3.6	29
58	Hydrogel-based microactuators with remote-controlled locomotion and fast Pb2+-response for micromanipulation. *ACS Applied Materials & Interfaces*, **2013**, 5, 7219-26	9.5	21
57	Halloysite Nanotube Composited Thermo-responsive Hydrogel System for Controlled-release. *Chinese Journal of Chemical Engineering*, **2013**, 21, 991-998	3.2	13
56	Gating membranes for water treatment: detection and removal of trace Pb2+ ions based on molecular recognition and polymer phase transition. *Journal of Materials Chemistry A*, **2013**, 1, 9659	13	59
55	Bio-inspired mini-eggs with pH-responsive membrane for enzyme immobilization. *Journal of Membrane Science*, **2013**, 429, 313-322	9.6	24
54	pH-responsive Ca-alginate-based capsule membranes with grafted poly(methacrylic acid) brushes for controllable enzyme reaction. *Chemical Engineering Journal*, **2013**, 232, 573-581	14.7	25
53	Microfluidic fabrication of monodisperse microcapsules for glucose-response at physiological temperature. *Soft Matter*, **2013**, 9, 4150	3.6	74
52	Hole-shell microparticles from controllably evolved double emulsions. *Angewandte Chemie - International Edition*, **2013**, 52, 8084-7	16.4	107
51	Portable diagnosis method of hyperkalemia using potassium-recognizable poly(N-isopropylacrylamide-co-benzo-15-crown-5-acrylamide) copolymers. *Analytical Chemistry*, **2013**, 85, 6477-84	7.8	26
50	Nano-structure construction of porous membranes by depositing nanoparticles for enhanced surface wettability. *Journal of Membrane Science*, **2013**, 427, 63-72	9.6	29
49	Titelbild: Hole□hell Microparticles from Controllably Evolved Double Emulsions (Angew. Chem. 31/2013). *Angewandte Chemie*, **2013**, 125, 8043-8043	3.6	

48	Hole–Shell Microparticles from Controllably Evolved Double Emulsions. *Angewandte Chemie*, **2013**, 125, 8242-8245	3.6	6
47	Functional Microcapsules with Thermo-responsive Hydrogel Shells **2013**, 135-152		
46	Preparation and Properties of Monodisperse Thermo-responsive Microgels **2013**, 25-58		
45	Thermo-responsive monodisperse core-shell microspheres with PNIPAM core and biocompatible porous ethyl cellulose shell embedded with PNIPAM gates. *Journal of Colloid and Interface Science*, **2012**, 376, 97-106	9.3	57
44	Nano-gel containing thermo-responsive microspheres with fast response rate owing to hierarchical phase-transition mechanism. *Journal of Colloid and Interface Science*, **2012**, 377, 137-44	9.3	13
43	Comprehensive effects of metal ions on responsive characteristics of P(NIPAM-co-B18C6Am). *Journal of Physical Chemistry B*, **2012**, 116, 5527-36	3.4	41
42	Conversion of alcoholic concentration variations into mechanical force via core-shell capsules. *Journal of Physical Chemistry B*, **2012**, 116, 974-9	3.4	21
41	Regulation of Critical Ethanol Response Concentrations of Ethanol-Responsive Smart Gating Membranes. *Industrial & Engineering Chemistry Research*, **2012**, 51, 9554-9563	3.9	19
40	Positively K+-Responsive Membranes with Functional Gates Driven by Host–Guest Molecular Recognition. *Advanced Functional Materials*, **2012**, 22, 4742-4750	15.6	64
39	Microfluidic Preparation of Multicompartment Microcapsules for Isolated Co-encapsulation and Controlled Release of Diverse Components. *International Journal of Nonlinear Sciences and Numerical Simulation*, **2012**, 13,	1.8	16
38	Smart Membranes: Positively K+-Responsive Membranes with Functional Gates Driven by Host–Guest Molecular Recognition (Adv. Funct. Mater. 22/2012). *Advanced Functional Materials*, **2012**, 22, 4741-4741	15.6	1
37	Simple and cheap microfluidic devices for the preparation of monodisperse emulsions. *Lab on A Chip*, **2011**, 11, 3963-9	7.2	68
36	Stimuli-responsive Membranes: Smart Tools for Controllable Mass-transfer and Separation Processes. *Chinese Journal of Chemical Engineering*, **2011**, 19, 891-903	3.2	51
35	K(+)-recognition capsules with squirting release mechanisms. *Chemical Communications*, **2011**, 47, 12283-5	5.8	49
34	Monodisperse core-shell chitosan microcapsules for pH-responsive burst release of hydrophobic drugs. *Soft Matter*, **2011**, 7, 4821	3.6	129
33	Novel calcium-alginate capsules with aqueous core and thermo-responsive membrane. *Journal of Colloid and Interface Science*, **2011**, 353, 61-8	9.3	40
32	Novel cationic pH-responsive poly(N,N-dimethylaminoethyl methacrylate) microcapsules prepared by a microfluidic technique. *Journal of Colloid and Interface Science*, **2011**, 357, 101-8	9.3	41
31	Smart thermo-triggered squirting capsules for nanoparticle delivery. *Soft Matter*, **2010**, 6, 3759	3.6	108

30	Phase transition behaviors of poly(N-isopropylacrylamide) microgels induced by tannic acid. *Journal of Colloid and Interface Science*, **2010**, 343, 168-75	9.3	15
29	Monodisperse microspheres with poly(N-isopropylacrylamide) core and poly(2-hydroxyethyl methacrylate) shell. *Journal of Colloid and Interface Science*, **2010**, 346, 361-9	9.3	19
28	Smart responsive microcapsules capable of recognizing heavy metal ions. *Journal of Colloid and Interface Science*, **2010**, 349, 512-8	9.3	43
27	Gating characteristics of thermo-responsive and molecular-recognizable membranes based on poly(N-isopropylacrylamide) and Ecyclodextrin. *Journal of Membrane Science*, **2010**, 355, 142-150	9.6	40
26	A thermo-responsive affinity membrane with nano-structured pores and grafted poly(N-isopropylacrylamide) surface layer for hydrophobic adsorption. *Journal of Membrane Science* , **2010**, 349, 258-267	9.6	52
25	A novel ion-imprinted hydrogel for recognition of potassium ions with rapid response. *Polymers for Advanced Technologies*, **2010**, 22, n/a-n/a	3.2	33
24	Biodegradable 'intelligent' materials in response to chemical stimuli for biomedical applications. *Expert Opinion on Therapeutic Patents*, **2009**, 19, 683-96	6.8	21
23	A novel thermo-induced self-bursting microcapsule with magnetic-targeting property. *ChemPhysChem*, **2009**, 10, 2405-9	3.2	59
22	Temperature-dependent molecular-recognizable membranes based on poly(N-isopropylacrylamide) and Ecyclodextrin. *Journal of Membrane Science*, **2009**, 326, 618-626	9.6	40
21	Lower critical solution temperatures of thermo-responsive poly(N-isopropylacrylamide) copolymers with racemate or single enantiomer groups. *Polymer International*, **2009**, 58, 202-208	3.3	7
20	Thermo-responsive gating membranes with controllable length and density of poly(N-isopropylacrylamide) chains grafted by ATRP method. *Journal of Membrane Science*, **2009**, 337, 310-317	9.6	88
19	Effects of surface wettability and roughness of microchannel on flow behaviors of thermo-responsive microspheres therein during the phase transition. *Journal of Colloid and Interface Science*, **2009**, 336, 162-70	9.3	15
18	Microfluidic preparation of monodisperse ethyl cellulose hollow microcapsules with non-toxic solvent. *Journal of Colloid and Interface Science*, **2009**, 336, 100-6	9.3	52
17	A microfluidic approach to fabricate monodisperse hollow or porous poly(HEMA-MMA) microspheres using single emulsions as templates. *Journal of Colloid and Interface Science*, **2009**, 336, 235-43	9.3	47
16	Dual thermo-responsive and ion-recognizable monodisperse microspheres. *Polymer*, **2009**, 50, 922-929	3.9	70
15	Rapid pH/temperature-responsive cationic hydrogels with dual stimuli-sensitive grafted side chains. *Polymer*, **2009**, 50, 2516-2525	3.9	87
14	Membranes and membrane processes for chiral resolution. *Chemical Society Reviews*, **2008**, 37, 1243-63	58.5	220
13	Poly(N-isopropylacrylamide)-based comb-type grafted hydrogel with rapid response to blood glucose concentration change at physiological temperature. *Polymers for Advanced Technologies*, **2008**, 19, 937-943	3.2	52

12	Molecular-Recognition-Induced Phase Transitions of Two Thermo-Responsive Polymers with Pendent Cyclodextrin Groups. *Macromolecular Chemistry and Physics*, **2008**, 209, 204-211	2.6	32
11	A Thermoresponsive Membrane for Chiral Resolution. *Advanced Functional Materials*, **2008**, 18, 652-663	15.6	84
10	Preparation of monodisperse poly(N-isopropylacrylamide) microspheres and microcapsules via Shirasu-porous-glass membrane emulsification. *Desalination*, **2008**, 234, 184-194	10.3	24
9	Preparation and characterization of dual stimuli-responsive microcapsules with a superparamagnetic porous membrane and thermo-responsive gates. *Journal of Membrane Science*, **2008**, 321, 324-330	9.6	65
8	Thermosensitive Affinity Behavior of Poly(N-isopropylacrylamide) Hydrogels with Cyclodextrin Moieties. *Industrial & Engineering Chemistry Research*, **2007**, 46, 1511-1518	3.9	34
7	Preparation of thermo-responsive gating membranes with controllable response temperature. *Journal of Membrane Science*, **2007**, 289, 76-85	9.6	102
6	Preparation and enantiomer separation characteristics of chitosan/cyclodextrin composite membranes. *Journal of Membrane Science*, **2007**, 297, 262-270	9.6	67
5	Characterization of microstructure of poly(N-isopropylacrylamide)-grafted polycarbonate track-etched membranes prepared by plasma-graft pore-filling polymerization. *Journal of Membrane Science*, **2005**, 258, 157-166	9.6	90
4	Preparation of submicrometer-sized monodispersed thermoresponsive core-shell hydrogel microspheres. *Langmuir*, **2004**, 20, 5247-53	4	110
3	Study of SPG membrane emulsification processes for the preparation of monodisperse core-shell microcapsules. *Journal of Colloid and Interface Science*, **2003**, 265, 187-96	9.3	73
2	Microfluidic fabrication of hydrogel microparticles with MOF-armoured multi-enzymes for cascade biocatalytic reactions. *Reaction Chemistry and Engineering*,	4.9	1
1	Hollow fiber membranes with knitted braid-like structures for process intensification via generation of Dean vortices. *Separation Science and Technology*,1-17	2.5	