Srinivasa R Raghavan

List of Publications by Year in Descending Order

182 papers	11,610 citations	61 h-index	103 g-index
189 ext. papers	12,648 ext. citations	6.6 avg, IF	6.43 L-index

#	Paper	IF	Citations
182	Transformation of Lipid Vesicles into Micelles by Adding Nonionic Surfactants: Elucidating the Structural Pathway and the Intermediate Structures.. *Journal of Physical Chemistry B*, **2022**, 126, 2208-2216	3.4	3
181	Hydrophobically modified chitosan biopolymer connects halloysite nanotubes at the oil-water interface as complementary pair for stabilizing oil droplets.. *Journal of Colloid and Interface Science*, **2022**, 620, 135-143	9.3	1
180	Foams with Enhanced Rheology for Stopping Bleeding. *ACS Applied Materials & Interfaces*, **2021**, 13, 13958-13967	9.5	2
179	Single-Step Synthesis of Alginate Microgels Enveloped with a Covalent Polymeric Shell: A Simple Way to Protect Encapsulated Cells. *ACS Applied Materials & Interfaces*, **2021**, 13, 18432-18442	9.5	6
178	Phase-Selective Gelation of the Water Phase in an Oil-Water Mixture: An Approach Based on Oil-Activated Nanoparticle Assembly in Water. *Langmuir*, **2021**, 37, 8107-8114	4	0
177	Spontaneous Formation of Stable Vesicles and Vesicle Gels in Polar Organic Solvents. *Langmuir*, **2021**, 37, 7955-7965	4	2
176	Using Microemulsion Phase Behavior as a Predictive Model for Lecithin-Tween 80 Marine Oil Dispersant Effectiveness. *Langmuir*, **2021**, 37, 8115-8128	4	1
175	Reversible electroadhesion of hydrogels to animal tissues for suture-less repair of cuts or tears. *Nature Communications*, **2021**, 12, 4419	17.4	12
174	Surface-modified nanoerythrosomes for potential optical imaging diagnostics. *Journal of Colloid and Interface Science*, **2021**, 582, 246-253	9.3	4
173	Rheological Properties of Cartilage Glycosaminoglycans and Proteoglycans. *Macromolecules*, **2021**, 54, 2316-2324	5.5	0
172	A Simple Way to Synthesize a Protective "Skin" around Any Hydrogel. *ACS Applied Materials & Interfaces*, **2021**, 13, 37645-37654	9.5	1
171	Capsules with Concentric Biopolymer-Nylon Shells Imaged by Cryo-FIB/SEM. *Microscopy and Microanalysis*, **2021**, 27, 542-544	0.5	
170	Multilayer tubes that constrict, dilate, and curl in response to stimuli. *Soft Matter*, **2021**, 17, 4180-4190	3.6	1
169	Light-Triggered Rheological Changes in a System of Cationic Wormlike Micelles Formulated with a Photoacid Generator. *Langmuir*, **2020**, 36, 13408-13414	4	3
168	Liposomes Entrapped in Biopolymer Hydrogels Can Spontaneously Release into the External Solution. *Langmuir*, **2020**, 36, 7268-7276	4	3
167	The Unusual Rheology of Wormlike Micelles in Glycerol: Comparable Timescales for Chain Reptation and Segmental Relaxation. *Langmuir*, **2020**, 36, 6370-6377	4	8
166	How Do Amphiphilic Biopolymers Gel Blood? An Investigation Using Optical Microscopy. *Langmuir*, **2020**, 36, 8357-8366	4	3

165	Water-in-salt polymer electrolyte for Li-ion batteries. *Energy and Environmental Science*, **2020**, 13, 2878-2887	33.4	29
164	Wormlike Micelles of a Cationic Surfactant in Polar Organic Solvents: Extending Surfactant Self-Assembly to New Systems and Subzero Temperatures. *Langmuir*, **2019**, 35, 12782-12791	4	18
163	Rapid Electroformation of Biopolymer Gels in Prescribed Shapes and Patterns: A Simpler Alternative to 3-D Printing. *ACS Applied Materials & Interfaces*, **2019**, 11, 37103-37111	9.5	6
162	Freestanding organogels by molecular velcro of unsaturated amphiphiles. *Soft Matter*, **2019**, 15, 6263-6268	3.8	2
161	Expanding Hydrophobically Modified Chitosan Foam for Internal Surgical Hemostasis: Safety Evaluation in a Murine Model. *Journal of Surgical Research*, **2019**, 239, 269-277	2.5	10
160	Responsive capsules that enable hermetic encapsulation of contents and their thermally triggered burst-release. *Materials Horizons*, **2019**, 6, 1238-1243	14.4	10
159	Biofilm Formation by Hydrocarbon-Degrading Marine Bacteria and Its Effects on Oil Dispersion. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 14490-14499	8.3	23
158	Catalyst-Loaded Capsules that Spontaneously Inflate and Violently Eject their Core. *Langmuir*, **2019**, 35, 13718-13726	4	2
157	Programming the Shape Transformation of a Composite Hydrogel Sheet via Erasable and Rewritable Nanoparticle Patterns. *ACS Applied Materials & Interfaces*, **2019**, 11, 42654-42660	9.5	11
156	High-Fluorinated Electrolytes for Li-S Batteries. *Advanced Energy Materials*, **2019**, 9, 1803774	21.8	144
155	Does the Solvent in a Dispersant Impact the Efficiency of Crude-Oil Dispersion?. *Langmuir*, **2019**, 35, 16630-16639	4	39
154	A shape-shifting composite hydrogel sheet with spatially patterned plasmonic nanoparticles. *Journal of Materials Chemistry B*, **2019**, 7, 1679-1683	7.3	9
153	Cation-induced folding of alginate-bearing bilayer gels: an unusual example of spontaneous folding along the long axis. *Soft Matter*, **2018**, 14, 2735-2743	3.6	6
152	Microstructural characteristics of surfactant assembly into a gel-like mesophase for application as an oil spill dispersant. *Journal of Colloid and Interface Science*, **2018**, 524, 279-288	9.3	10
151	Extrusion-Based 3D Printing of Hierarchically Porous Advanced Battery Electrodes. *Advanced Materials*, **2018**, 30, e1705651	24	164
150	Shape-Changing Tubular Hydrogels. *Gels*, **2018**, 4,	4.2	4
149	Liposomes: Clinical Applications and Potential for Image-Guided Drug Delivery. *Molecules*, **2018**, 23,	4.8	125
148	Incorporating LsrK AI-2 quorum quenching capability in a functionalized biopolymer capsule. *Biotechnology and Bioengineering*, **2018**, 115, 278-289	4.9	11

147	Nature-Inspired Hydrogels with Soft and Stiff Zones that Exhibit a 100-Fold Difference in Elastic Modulus. *ACS Applied Materials & Interfaces*, **2018**, 10, 34664-34673	9.5	16
146	Amphiphilic Polypeptoids Serve as the Connective Glue to Transform Liposomes into Multilamellar Structures with Closely Spaced Bilayers. *Langmuir*, **2017**, 33, 2780-2789	4	13
145	Clustering of Cyclodextrin-Functionalized Microbeads by an Amphiphilic Biopolymer: Real-Time Observation of Structures Resembling Blood Clots. *ACS Applied Materials & Interfaces*, **2017**, 9, 37238-37245	9.5	1
144	Wormlike micelles versus water-soluble polymers as rheology-modifiers: similarities and differences. *Physical Chemistry Chemical Physics*, **2017**, 19, 24458-24466	3.6	33
143	A new design for an artificial cell: polymer microcapsules with addressable inner compartments that can harbor biomolecules, colloids or microbial species. *Chemical Science*, **2017**, 8, 6893-6903	9.4	37
142	Onion-like multilayered polymer capsules synthesized by a bioinspired inside-out technique. *Nature Communications*, **2017**, 8, 193	17.4	35
141	Hydrophobically modified chitosan gauze: a novel topical hemostat. *Journal of Surgical Research*, **2017**, 207, 45-52	2.5	16
140	Smart Hydrogel-Based Valves Inspired by the Stomata in Plants. *ACS Applied Materials & Interfaces*, **2016**, 8, 18430-8	9.5	38
139	Enzyme-Triggered Folding of Hydrogels: Toward a Mimic of the Venus Flytrap. *ACS Applied Materials & Interfaces*, **2016**, 8, 19066-74	9.5	45
138	"Killer" Microcapsules That Can Selectively Destroy Target Microparticles in Their Vicinity. *ACS Applied Materials & Interfaces*, **2016**, 8, 29688-29695	9.5	9
137	Catalytic Propulsion and Magnetic Steering of Soft, Patchy Microcapsules: Ability to Pick-Up and Drop-Off Microscale Cargo. *ACS Applied Materials & Interfaces*, **2016**, 8, 15676-83	9.5	40
136	Light-Directed Self-Assembly of Robust Alginate Gels at Precise Locations in Microfluidic Channels. *ACS Applied Materials & Interfaces*, **2016**, 8, 17529-38	9.5	17
135	Colloidal Properties of Nanoerythrosomes Derived from Bovine Red Blood Cells. *Langmuir*, **2016**, 32, 171-9	4	23
134	Chitosan-Alginate Microcapsules Provide Gastric Protection and Intestinal Release of ICAM-1-Targeting Nanocarriers, Enabling GI Targeting In Vivo. *Advanced Functional Materials*, **2016**, 26, 3382-3393	15.6	76
133	Determination of efficacy of a novel alginate dressing in a lethal arterial injury model in swine. *Injury*, **2016**, 47, 2105-2109	2.5	19
132	G4-quartet□M(+) borate hydrogels. *Journal of the American Chemical Society*, **2015**, 137, 5819-27	16.4	100
131	Capture and Direct Amplification of DNA on Chitosan Microparticles in a Single PCR-Optimal Solution. *Analytical Chemistry*, **2015**, 87, 11022-9	7.8	23
130	Hydrophobically-modified chitosan foam: description and hemostatic efficacy. *Journal of Surgical Research*, **2015**, 193, 316-23	2.5	32

129	Gelation of Oil upon Contact with Water: A Bioinspired Scheme for the Self-Repair of Oil Leaks from Underwater Tubes. *Langmuir*, **2015**, 31, 5259-64	4	11
128	Sprayable Foams Based on an Amphiphilic Biopolymer for Control of Hemorrhage Without Compression. *ACS Biomaterials Science and Engineering*, **2015**, 1, 440-447	5.5	33
127	Efficient dispersion of crude oil by blends of food-grade surfactants: Toward greener oil-spill treatments. *Marine Pollution Bulletin*, **2015**, 101, 92-97	6.7	27
126	Microfluidic generation of uniform water droplets using gas as the continuous phase. *Journal of Colloid and Interface Science*, **2015**, 448, 275-9	9.3	18
125	Assessment of surfactants for efficient droplet PCR in mineral oil using the pendant drop technique. *Colloids and Surfaces B: Biointerfaces*, **2015**, 126, 489-95	6	7
124	Liposomal nanoprobes that combine anti-EGFR antibodies and MRI contrast agents: synthesis and in vitro characterization. *RSC Advances*, **2014**, 4, 33756	3.7	1
123	Hybrid hydrogel sheets that undergo pre-programmed shape transformations. *Soft Matter*, **2014**, 10, 8157-62	3.6	55
122	Reversible gelation of cells using self-assembling hydrophobically-modified biopolymers: towards self-assembly of tissue. *Biomaterials Science*, **2014**, 2, 1016-1023	7.4	20
121	Mixtures of lecithin and bile salt can form highly viscous wormlike micellar solutions in water. *Langmuir*, **2014**, 30, 10221-30	4	41
120	Nanodiamond gels in nonpolar media: Colloidal and rheological properties. *Journal of Rheology*, **2014**, 58, 1599-1614	4.1	35
119	An effective dispersant for oil spills based on food-grade amphiphiles. *Langmuir*, **2014**, 30, 9285-94	4	88
118	Superabsorbent Hydrogels That Are Robust and Highly Stretchable. *Macromolecules*, **2014**, 47, 4445-4452	5.5	150
117	Photo-activated ionic gelation of alginate hydrogel: real-time rheological monitoring of the two-step crosslinking mechanism. *Soft Matter*, **2014**, 10, 4990-5002	3.6	35
116	Insights into organogelation and its kinetics from Hansen solubility parameters. Toward a priori predictions of molecular gelation. *Soft Matter*, **2014**, 10, 2632-40	3.6	91
115	Self-Assembling Gels of a Hydrophobically Modified Biopolymer. *Materials Research Society Symposia Proceedings*, **2014**, 1622, 69-78		
114	Tyrosinase-mediated grafting and crosslinking of natural phenols confers functional properties to chitosan. *Biochemical Engineering Journal*, **2014**, 89, 21-27	4.2	39
113	Capturing rare cells from blood using a packed bed of custom-synthesized chitosan microparticles. *Journal of Materials Chemistry B*, **2013**, 1, 4313-4319	7.3	13
112	Attachment of a hydrophobically modified biopolymer at the oil-water interface in the treatment of oil spills. *ACS Applied Materials & Interfaces*, **2013**, 5, 3572-80	9.5	91

111	A simple route to fluids with photo-switchable viscosities based on a reversible transition between vesicles and wormlike micelles. *Soft Matter*, **2013**, 9, 5025	3.6	62
110	Microfluidic assembly of Janus-like dimer capsules. *Langmuir*, **2013**, 29, 13624-9	4	15
109	Reverse self-assembly of lipid onions induced by gadolinium and calcium ions. *Soft Matter*, **2013**, 9, 200-207	3.6	24
108	Light-induced transformation of vesicles to micelles and vesicle-gels to sols. *Soft Matter*, **2013**, 9, 11576	3.6	33
107	Pyrenyl-linker-glucono gelators. Correlations of gel properties with gelator structures and characterization of solvent effects. *Langmuir*, **2013**, 29, 793-805	4	98
106	Accessing biology's toolbox for the mesoscale biofabrication of soft matter. *Soft Matter*, **2013**, 9, 6019	3.6	30
105	How do liquid mixtures solubilize insoluble gelators? Self-assembly properties of pyrenyl-linker-glucono gelators in tetrahydrofuran-water mixtures. *Journal of the American Chemical Society*, **2013**, 135, 8989-99	16.4	135
104	Self-destructing "mothership" capsules for timed release of encapsulated contents. *Langmuir*, **2013**, 29, 7993-8	4	27
103	Gelation of vesicles and nanoparticles using water-soluble hydrophobically modified chitosan. *Langmuir*, **2013**, 29, 15302-8	4	25
102	Synergistic gelation of silica nanoparticles and a sorbitol-based molecular gelator to yield highly-conductive free-standing gel electrolytes. *ACS Applied Materials & Interfaces*, **2013**, 5, 262-7	9.5	42
101	Photoreversible micellar solution as a smart drag-reducing fluid for use in district heating/cooling systems. *Langmuir*, **2013**, 29, 102-9	4	35
100	Encapsulated fusion protein confers "sense and respond" activity to chitosan-alginate capsules to manipulate bacterial quorum sensing. *Biotechnology and Bioengineering*, **2013**, 110, 552-62	4.9	35
99	The conundrum of gel formation by molecular nanofibers, wormlike micelles, and filamentous proteins: gelation without cross-links?. *Soft Matter*, **2012**, 8, 8539	3.6	129
98	A New Approach for Creating Polymer Hydrogels with Regions of Distinct Chemical, Mechanical, and Optical Properties. *Macromolecules*, **2012**, 45, 5712-5717	5.5	27
97	Shedding light on helical microtubules: real-time observations of microtubule self-assembly by light microscopy. *Journal of the American Chemical Society*, **2012**, 134, 14375-81	16.4	29
96	Glucose oxidase-mediated gelation: a simple test to detect glucose in food products. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 8963-7	5.7	27
95	Microfluidic synthesis of macroporous polymer immunobeads. *Polymer*, **2012**, 53, 5469-5475	3.9	14
94	A new method for centrifugal separation of blood components: Creating a rigid barrier between density-stratified layers using a UV-curable thixotropic gel. *Journal of Materials Chemistry*, **2012**, 22, 2378-2382	11	

93	Structural analysis of flexible liposome formulations: new insights into the skin-penetrating ability of soft nanostructures. *Soft Matter*, **2012**, 8, 10226	3.6	42
92	Biopolymer-connected liposome networks as injectable biomaterials capable of sustained local drug delivery. *Biomacromolecules*, **2012**, 13, 3388-94	6.9	49
91	Microfluidic synthesis of monodisperse PDMS microbeads as discrete oxygen sensors. *Soft Matter*, **2012**, 8, 923-926	3.6	54
90	Biofabricating Multifunctional Soft Matter with Enzymes and Stimuli-Responsive Materials. *Advanced Functional Materials*, **2012**, 22, 3004-3012	15.6	50
89	Gel sculpture: moldable, load-bearing and self-healing non-polymeric supramolecular gel derived from a simple organic salt. *Chemistry - A European Journal*, **2012**, 18, 8057-63	4.8	67
88	Determination of efficacy of novel modified chitosan sponge dressing in a lethal arterial injury model in swine. *Journal of Trauma*, **2012**, 72, 899-907		24
87	Nanoparticle-crosslinked hydrogels as a class of efficient materials for separation and ion exchange. *Soft Matter*, **2011**, 7, 8192	3.6	49
86	Unraveling the mechanism of nanotube formation by chiral self-assembly of amphiphiles. *Journal of the American Chemical Society*, **2011**, 133, 2511-7	16.4	214
85	Light-activated ionic gelation of common biopolymers. *Langmuir*, **2011**, 27, 12591-6	4	56
84	Light-responsive threadlike micelles as drag reducing fluids with enhanced heat-transfer capabilities. *Langmuir*, **2011**, 27, 5806-13	4	83
83	Supramolecular synthons in designing low molecular mass gelling agents: L-amino acid methyl ester cinnamate salts and their anti-solvent-induced instant gelation. *Chemistry - an Asian Journal*, **2011**, 6, 1038-47	4.5	45
82	A new approach to in-situ "micromanufacturing": microfluidic fabrication of magnetic and fluorescent chains using chitosan microparticles as building blocks. *Small*, **2011**, 7, 2470-6	11	18
81	Microfluidics: A New Approach to In-Situ "Micromanufacturing"—Microfluidic Fabrication of Magnetic and Fluorescent Chains Using Chitosan Microparticles as Building Blocks (Small 17/2011). *Small*, **2011**, 7, 2469-2469	11	23
80	Carbon microspheres as network nodes in a novel biocompatible gel. *Soft Matter*, **2011**, 7, 4170	3.6	16
79	Vesicle capture on patterned surfaces coated with amphiphilic biopolymers. *Soft Matter*, **2011**, 7, 1219-1226	3.6	12
78	Reversible photorheological fluids based on spiropyran-doped reverse micelles. *Journal of the American Chemical Society*, **2011**, 133, 8461-3	16.4	99
77	Regulating oxygen levels in a microfluidic device. *Analytical Chemistry*, **2011**, 83, 8821-4	7.8	60
76	Biopolymer capsules bearing polydiacetylenic vesicles as colorimetric sensors of pH and temperature. *Soft Matter*, **2011**, 7, 3273	3.6	48

75	A self-assembling hydrophobically modified chitosan capable of reversible hemostatic action. *Biomaterials*, **2011**, 32, 3351-7	15.6	156
74	Microfluidic directed self-assembly of liposome-hydrogel hybrid nanoparticles. *Langmuir*, **2010**, 26, 11584-8	4	79
73	Thermothickening in solutions of telechelic associating polymers and cyclodextrins. *Langmuir*, **2010**, 26, 56-62	4	19
72	Manipulating quantum dots to nanometer precision by control of flow. *Nano Letters*, **2010**, 10, 2525-30	11.5	37
71	Thermogelling aqueous fluids containing low concentrations of Pluronic F127 and laponite nanoparticles. *Langmuir*, **2010**, 26, 8015-20	4	56
70	Nonaqueous photorheological fluids based on light-responsive reverse wormlike micelles. *Langmuir*, **2010**, 26, 5405-11	4	74
69	Application of PET deprotection for orthogonal photocontrol of aqueous solution viscosity. *Chemical Communications*, **2010**, 46, 8983-5	5.8	14
68	Making a frothy shampoo or beer. *Physics Today*, **2010**, 63, 62-63	0.9	8
67	Can simple salts influence self-assembly in oil? Multivalent cations as efficient gelators of lecithin organosols. *Langmuir*, **2010**, 26, 13831-8	4	50
66	Sugar-Derived Phase-Selective Molecular Gelators as Model Solidifiers for Oil Spills. *Angewandte Chemie*, **2010**, 122, 7861-7864	3.6	68
65	Titelbild: Sugar-Derived Phase-Selective Molecular Gelators as Model Solidifiers for Oil Spills (Angew. Chem. 42/2010). *Angewandte Chemie*, **2010**, 122, 7761-7761	3.6	2
64	Sugar-derived phase-selective molecular gelators as model solidifiers for oil spills. *Angewandte Chemie - International Edition*, **2010**, 49, 7695-8	16.4	293
63	Cover Picture: Sugar-Derived Phase-Selective Molecular Gelators as Model Solidifiers for Oil Spills (Angew. Chem. Int. Ed. 42/2010). *Angewandte Chemie - International Edition*, **2010**, 49, 7597-7597	16.4	2
62	Persistence of birefringence in sheared solutions of wormlike micelles. *Langmuir*, **2009**, 25, 167-72	4	33
61	A noninvasive thin film sensor for monitoring oxygen tension during in vitro cell culture. *Analytical Chemistry*, **2009**, 81, 9239-46	7.8	66
60	Nanostructured polymers prepared using a self-assembled nanofibrillar scaffold as a reverse template. *Journal of Physical Chemistry B*, **2009**, 113, 8026-30	3.4	17
59	pH-responsive jello: gelatin gels containing fatty acid vesicles. *Langmuir*, **2009**, 25, 8519-25	4	42
58	A simple method to improve the clarity and rheological properties of polymer/clay nanocomposites by using fractionated clay particles. *ACS Applied Materials & Interfaces*, **2009**, 1, 130-5	9.5	23

57	Combinatorial library of primaryalkylammonium dicarboxylate gelators: a supramolecular synthon approach. *Langmuir*, **2009**, 25, 8742-50	4	39
56	Polymerizable vesicles based on a single-tailed fatty acid surfactant: a simple route to robust nanocontainers. *Langmuir*, **2009**, 25, 1566-71	4	33
55	Distinct character of surfactant gels: a smooth progression from micelles to fibrillar networks. *Langmuir*, **2009**, 25, 8382-5	4	64
54	Origins of the viscosity peak in wormlike micellar solutions. 1. Mixed catanionic surfactants. A cryo-transmission electron microscopy study. *Langmuir*, **2009**, 25, 10483-9	4	119
53	Photogelling colloidal dispersions based on light-activated assembly of nanoparticles. *Journal of the American Chemical Society*, **2009**, 131, 7135-41	16.4	66
52	Photogelling fluids based on light-activated growth of zwitterionic wormlike micelles. *Soft Matter*, **2009**, 5, 797-803	3.6	80
51	Self-assembled organogels obtained by adding minute concentrations of a bile salt to AOT reverse micelles. *Soft Matter*, **2008**, 4, 1086-1093	3.6	40
50	A facile route for creating "reverse" vesicles: insights into "reverse" self-assembly in organic liquids. *Journal of the American Chemical Society*, **2008**, 130, 8813-7	16.4	77
49	Influence of binary surfactant mixtures on the rheology of associative polymer solutions. *Langmuir*, **2008**, 24, 7797-802	4	26
48	Strain-stiffening response in transient networks formed by reverse wormlike micelles. *Langmuir*, **2008**, 24, 8405-8	4	30
47	Liposome-templated supramolecular assembly of responsive alginate nanogels. *Langmuir*, **2008**, 24, 4092-6	4	54
46	Conductivity enhancement of carbon nanotube and nanofiber-based polymer nanocomposites by melt annealing. *Polymer*, **2008**, 49, 4846-4851	3.9	138
45	Chitosan: a soft interconnect for hierarchical assembly of nano-scale components. *Soft Matter*, **2007**, 3, 521-527	3.6	104
44	Reversible vesicle restraint in response to spatiotemporally controlled electrical signals: a bridge between electrical and chemical signaling modes. *Langmuir*, **2007**, 23, 286-91	4	17
43	A simple class of photorheological fluids: surfactant solutions with viscosity tunable by light. *Journal of the American Chemical Society*, **2007**, 129, 1553-9	16.4	192
42	Surfactant vesicles for high-efficiency capture and separation of charged organic solutes. *Langmuir*, **2007**, 23, 8965-71	4	50
41	Effects of aspect ratio of MWNT on the flammability properties of polymer nanocomposites. *Polymer*, **2007**, 48, 6086-6096	3.9	153
40	Wormlike micelles of a C22-tailed zwitterionic betaine surfactant: from viscoelastic solutions to elastic gels. *Langmuir*, **2007**, 23, 12849-56	4	215

39	Quantitative characterization of the formation of an interpenetrating phase composite in polystyrene from the percolation of multiwalled carbon nanotubes. *Nanotechnology*, **2007**, 18, 505705	3.4	31
38	Contrasting effects of temperature on the rheology of normal and reverse wormlike micelles. *Langmuir*, **2007**, 23, 372-6	4	87
37	Electrical and Rheological Percolation in Polystyrene/MWCNT Nanocomposites. *Macromolecules*, **2007**, 40, 7400-7406	5.5	251
36	Influence of polymer viscoelasticity on the residence distributions of extruders. *AICHE Journal*, **2006**, 52, 1451-1459	3.6	15
35	Transition from unilamellar to bilamellar vesicles induced by an amphiphilic biopolymer. *Physical Review Letters*, **2006**, 96, 048102	7.4	35
34	Distinct kinetic pathways generate organogel networks with contrasting fractality and thixotropic properties. *Journal of the American Chemical Society*, **2006**, 128, 15341-52	16.4	193
33	Self-assembly of surfactant vesicles that transform into viscoelastic wormlike micelles upon heating. *Journal of the American Chemical Society*, **2006**, 128, 6669-75	16.4	344
32	Bioinspired vesicle restraint and mobilization using a biopolymer scaffold. *Langmuir*, **2006**, 22, 2951-5	4	13
31	Highly efficient capture and long-term encapsulation of dye by catanionic surfactant vesicles. *Langmuir*, **2006**, 22, 6461-4	4	46
30	A new reverse wormlike micellar system: mixtures of bile salt and lecithin in organic liquids. *Journal of the American Chemical Society*, **2006**, 128, 5751-6	16.4	129
29	Gel Formation: Phase Diagrams Using Tabletop Rheology and Calorimetry **2006**, 241-252		37
28	Salt effects on the phase behavior, structure, and rheology of chromonic liquid crystals. *Journal of Physical Chemistry B*, **2005**, 109, 19126-33	3.4	76
27	Anionic wormlike micellar fluids that display cloud points: rheology and phase behavior. *Journal of Physical Chemistry B*, **2005**, 109, 8599-604	3.4	116
26	Viscosity increase with temperature in cationic surfactant solutions due to the growth of wormlike micelles. *Langmuir*, **2005**, 21, 10998-1004	4	129
25	Vesicle--biopolymer gels: networks of surfactant vesicles connected by associating biopolymers. *Langmuir*, **2005**, 21, 26-33	4	128
24	Kinetics of 5alpha-cholestan-3beta-yl N-(2-naphthyl)carbamate/n-alkane organogel formation and its influence on the fibrillar networks. *Journal of the American Chemical Society*, **2005**, 127, 4336-44	16.4	238
23	Flame retardant mechanism of polyamide 6–clay nanocomposites. *Polymer*, **2004**, 45, 881-891	3.9	396
22	Shear-induced phase separation in solutions of wormlike micelles. *Langmuir*, **2004**, 20, 3564-73	4	82

21	Enzymatic grafting of peptides from casein hydrolysate to chitosan. Potential for value-added byproducts from food-processing wastes. *Journal of Agricultural and Food Chemistry*, **2004**, 52, 788-93	5.7	71
20	Network Formation in Mixed Surfactant Systems. *Microscopy and Microanalysis*, **2004**, 10, 434-435	0.5	
19	Silica Hollow Spheres by Templating of Catanionic Vesicles. *Langmuir*, **2003**, 19, 1069-1074	4	253
18	Microstructural Changes in SDS Micelles Induced by Hydrotropic Salt. *Langmuir*, **2002**, 18, 2543-2548	4	245
17	Wormlike Micelles Formed by Synergistic Self-Assembly in Mixtures of Anionic and Cationic Surfactants. *Langmuir*, **2002**, 18, 3797-3803	4	310
16	Cloud-Point Phenomena in Wormlike Micellar Systems Containing Cationic Surfactant and Salt. *Langmuir*, **2002**, 18, 1056-1064	4	175
15	Highly Viscoelastic Wormlike Micellar Solutions Formed by Cationic Surfactants with Long Unsaturated Tails. *Langmuir*, **2001**, 17, 300-306	4	388
14	Effect of Colloidal Fillers on the Cross-Linking of a UV-Curable Polymer:Gel Point Rheology and the WinterChambon Criterion. *Macromolecules*, **2001**, 34, 4526-4533	5.5	71
13	Thermoreversible gelation in aqueous dispersions of colloidal particles bearing grafted poly(ethylene oxide) chains. *Journal of Rheology*, **2001**, 45, 913-927	4.1	32
12	Colloidal Interactions between Particles with Tethered Nonpolar Chains Dispersed in Polar Media: Direct Correlation between Dynamic Rheology and Interaction Parameters. *Langmuir*, **2000**, 16, 1066-1077	4	120
11	Rheology of Silica Dispersions in Organic Liquids: New Evidence for Solvation Forces Dictated by Hydrogen Bonding. *Langmuir*, **2000**, 16, 7920-7930	4	332
10	Microstructure and Dynamics of Wormlike Micellar Solutions Formed by Mixing Cationic and Anionic Surfactants. *Journal of Physical Chemistry B*, **2000**, 104, 11035-11044	3.4	236
9	Associative polymers bearing n-alkyl hydrophobes: Rheological evidence for microgel-like behavior. *Journal of Rheology*, **1999**, 43, 1175-1194	4.1	73
8	Enhanced Miscibility of Low-Molecular-Weight Polystyrene/Polyisoprene Blends in Supercritical CO2. *Journal of Physical Chemistry B*, **1999**, 103, 5472-5476	3.4	32
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