Valrie Ravaine

List of Publications by Year in Descending Order

45 papers	2,114 citations	21 h-index	45 g-index
46 ext. papers	2,342 ext. citations	5.9 avg, IF	4.86 L-index

#	Paper	IF	Citations
45	Thermo-induced inversion of water-in-water emulsion stability by bis-hydrophilic microgels. *Journal of Colloid and Interface Science*, **2021**, 608, 1191-1201	9.3	1
44	Pickering emulsions stabilized by thermoresponsive oligo(ethylene glycol)-based microgels: Effect of temperature-sensitivity on emulsion stability. *Journal of Colloid and Interface Science*, **2021**, 589, 96-109	9.3	10
43	Janus Microswimmers: Oscillatory Light-Emitting Biopolymer Based Janus Microswimmers (Adv. Mater. Interfaces 10/2020). *Advanced Materials Interfaces*, **2020**, 7, 2070056	4.6	
42	Electrochemiluminescence in Thermo-Responsive Hydrogel Films with Tunable Thickness. *Journal of Analysis and Testing*, **2020**, 4, 107-113	3.2	
41	Oscillatory Light-Emitting Biopolymer Based Janus Microswimmers. *Advanced Materials Interfaces*, **2020**, 7, 1902094	4.6	5
40	Dynamic Covalent Chemistry Enables Reconfigurable All-Polysaccharide Nanogels. *Macromolecular Rapid Communications*, **2020**, 41, e2000213	4.8	5
39	Asymmetric Modification of Carbon Nanotube Arrays with Thermoresponsive Hydrogel for Controlled Delivery. *ACS Applied Materials & Interfaces*, **2020**, 12, 23378-23387	9.5	4
38	Sugar-responsive Pickering emulsions mediated by switching hydrophobicity in microgels. *Journal of Colloid and Interface Science*, **2020**, 561, 481-493	9.3	14
37	Self-coacervation of ampholyte polymer chains as an efficient encapsulation strategy. *Journal of Colloid and Interface Science*, **2019**, 548, 275-283	9.3	10
36	Kinetics of spontaneous microgels adsorption and stabilization of emulsions produced using microfluidics. *Journal of Colloid and Interface Science*, **2019**, 548, 1-11	9.3	16
35	Sealing hyaluronic acid microgels with oppositely-charged polypeptides: A simple strategy for packaging hydrophilic drugs with on-demand release. *Journal of Colloid and Interface Science*, **2019**, 535, 16-27	9.3	11
34	Tuning Electrochemiluminescence in Multistimuli Responsive Hydrogel Films. *Journal of Physical Chemistry Letters*, **2018**, 9, 340-345	6.4	21
33	Poly(aspartic acid) hydrogels showing reversible volume change upon redox stimulus. *European Polymer Journal*, **2018**, 105, 459-468	5.2	14
32	Modulation of Wetting Gradients by Tuning the Interplay between Surface Structuration and Anisotropic Molecular Layers with Bipolar Electrochemistry. *ChemPhysChem*, **2017**, 18, 2637-2642	3.2	11
31	Organization of Microgels at the Air-Water Interface under Compression: Role of Electrostatics and Cross-Linking Density. *Langmuir*, **2017**, 33, 7968-7981	4	51
30	Two-Dimensional Electrochemiluminescence: Light Emission Confined at the Oil-Water Interface in Emulsions Stabilized by Luminophore-Grafted Microgels. *Langmuir*, **2017**, 33, 7231-7238	4	8
29	Wireless Synthesis and Activation of Electrochemiluminescent Thermoresponsive Janus Objects Using Bipolar Electrochemistry. *Langmuir*, **2016**, 32, 12995-13002	4	26

28	Redox- and pH-Responsive Nanogels Based on Thiolated Poly(aspartic acid). *Macromolecular Materials and Engineering*, **2016**, 301, 260-266	3.9	27
27	Electric fields for generating unconventional motion of small objects. *Current Opinion in Colloid and Interface Science*, **2016**, 21, 57-64	7.6	52
26	Antagonistic effects leading to turn-on electrochemiluminescence in thermoresponsive hydrogel films. *Physical Chemistry Chemical Physics*, **2016**, 18, 32697-32702	3.6	12
25	Differential Photoluminescent and Electrochemiluminescent Behavior for Resonance Energy Transfer Processes in Thermoresponsive Microgels. *Journal of Physical Chemistry B*, **2015**, 119, 12954-61	3.4	17
24	Wall slip across the jamming transition of soft thermoresponsive particles. *Physical Review E*, **2015**, 92, 060301	2.4	20
23	Impact of pNIPAM microgel size on its ability to stabilize Pickering emulsions. *Langmuir*, **2014**, 30, 1768-77	4	84
22	Readily prepared dynamic hydrogels by combining phenyl boronic acid- and maltose-modified anionic polysaccharides at neutral pH. *Macromolecular Rapid Communications*, **2014**, 35, 2089-95	4.8	58
21	Adsorption of microgels at an oil-water interface: correlation between packing and 2D elasticity. *Soft Matter*, **2014**, 10, 6963-74	3.6	97
20	Thiol-ene clickable hyaluronans: from macro-to nanogels. *Journal of Colloid and Interface Science*, **2014**, 419, 52-5	9.3	13
19	Impact of electrostatics on the adsorption of microgels at the interface of Pickering emulsions. *Langmuir*, **2014**, 30, 14745-56	4	39
18	Photochemical crosslinking of hyaluronic acid confined in nanoemulsions: towards nanogels with a controlled structure. *Journal of Materials Chemistry B*, **2013**, 1, 3369-3379	7.3	39
17	Pickering emulsions stabilized by soft microgels: influence of the emulsification process on particle interfacial organization and emulsion properties. *Langmuir*, **2013**, 29, 12367-74	4	103
16	Surface compaction versus stretching in Pickering emulsions stabilised by microgels. *Current Opinion in Colloid and Interface Science*, **2013**, 18, 532-541	7.6	92
15	Enhanced electrogenerated chemiluminescence in thermoresponsive microgels. *Journal of the American Chemical Society*, **2013**, 135, 5517-20	16.4	65
14	Origin and control of adhesion between emulsion drops stabilized by thermally sensitive soft colloidal particles. *Langmuir*, **2012**, 28, 3744-55	4	89
13	Water-in-oil emulsions stabilized by water-dispersible poly(N-isopropylacrylamide) microgels: understanding anti-Finkle behavior. *Langmuir*, **2011**, 27, 14096-107	4	70
12	Designed glucose-responsive microgels with selective shrinking behavior. *Langmuir*, **2011**, 27, 12693-701	4	70
11	Soft microgels as Pickering emulsion stabilisers: role of particle deformability. *Soft Matter*, **2011**, 7, 7689	3.6	256

10	Multiresponsive hybrid microgels and hollow capsules with a layered structure. *Langmuir*, **2009**, 25, 4659-467	4	74
9	Multicomponent macroporous materials with a controlled architecture. *Journal of Materials Chemistry*, **2009**, 19, 409-414		11
8	Single-crystalline gold nanoplates from a commercial gold plating solution. *Journal of Nanoscience and Nanotechnology*, **2009**, 9, 2045-50	1.3	
7	Chemically controlled closed-loop insulin delivery. *Journal of Controlled Release*, **2008**, 132, 2-11	11.7	210
6	Dissymmetric carbon nanotubes by bipolar electrochemistry. *Nano Letters*, **2008**, 8, 500-4	11.5	105
5	Glucose-responsive microgels with a core-shell structure. *Journal of Colloid and Interface Science*, **2008**, 327, 316-23	9.3	122
4	Remote in vivo imaging of human skin corneocytes by means of an optical fiber bundle. *Review of Scientific Instruments*, **2007**, 78, 053709	1.7	9
3	Monodispersed glucose-responsive microgels operating at physiological salinity. *Biomacromolecules*, **2006**, 7, 3356-63	6.9	163
2	Full verification of the liquid exclusion-adsorption chromatography theory using monolithic capillary columns. *Journal of Chromatography A*, **2005**, 1074, 89-98	4.5	6
1	Wetting of liquid droplets on living cells. *Journal of Colloid and Interface Science*, **2002**, 255, 270-3	9.3	4