ValÃ©rie Ravaine

List of Publications by Year
in descending order

46 papers	2,536 citations	236612 25 h-index	264894 42 g-index
46 all docs	46 docs citations	46 times ranked	2656 citing authors

#	Article	IF	Citations
1	Soft microgels as Pickering emulsion stabilisers: role of particle deformability. Soft Matter, 2011, 7, 7689.	1.2	315
2	Chemically controlled closed-loop insulin delivery. Journal of Controlled Release, 2008, 132, 2-11.	4.8	233
3	Monodispersed Glucose-Responsive Microgels Operating at Physiological Salinity. Biomacromolecules, 2006, 7, 3356-3363.	2.6	167
4	Glucose-responsive microgels with a coreâ€“shell structure. Journal of Colloid and Interface Science, 2008, 327, 316-323.	5.0	136
5	Adsorption of microgels at an oilâ€“water interface: correlation between packing and 2D elasticity. Soft Matter, 2014, 10, 6963-6974.	1.2	123
6	Pickering Emulsions Stabilized by Soft Microgels: Influence of the Emulsification Process on Particle Interfacial Organization and Emulsion Properties. Langmuir, 2013, 29, 12367-12374.	1.6	118
7	Dissymmetric Carbon Nanotubes by Bipolar Electrochemistry. Nano Letters, 2008, 8, 500-504.	4.5	116
8	Surface compaction versus stretching in Pickering emulsions stabilised by microgels. Current Opinion in Colloid and Interface Science, 2013, 18, 532-541.	3.4	105
9	Impact of pNIPAM Microgel Size on Its Ability To Stabilize Pickering Emulsions. Langmuir, 2014, 30, 1768-1777.	1.6	100
10	Origin and Control of Adhesion between Emulsion Drops Stabilized by Thermally Sensitive Soft Colloidal Particles. Langmuir, 2012, 28, 3744-3755.	1.6	94
11	Water-in-Oil Emulsions Stabilized by Water-Dispersible Poly(<i>N</i>-isopropylacrylamide) Microgels: Understanding Anti-Finkle Behavior. Langmuir, 2011, 27, 14096-14107.	1.6	91
12	Multiresponsive Hybrid Microgels and Hollow Capsules with a Layered Structure. Langmuir, 2009, 25, 4659-4667.	1.6	79
13	Designed Glucose-Responsive Microgels with Selective Shrinking Behavior. Langmuir, 2011, 27, 12693-12701.	1.6	77
14	Organization of Microgels at the Airâ€“Water Interface under Compression: Role of Electrostatics and Cross-Linking Density. Langmuir, 2017, 33, 7968-7981.	1.6	75
15	Enhanced Electrogenerated Chemiluminescence in Thermoresponsive Microgels. Journal of the American Chemical Society, 2013, 135, 5517-5520.	6.6	74
16	Readily Prepared Dynamic Hydrogels by Combining Phenyl Boronic Acidâ€•and Maltoseâ€Modified Anionic Polysaccharides at Neutral pH. Macromolecular Rapid Communications, 2014, 35, 2089-2095.	2.0	72
17	Electric fields for generating unconventional motion of small objects. Current Opinion in Colloid and Interface Science, 2016, 21, 57-64.	3.4	53
18	Photochemical crosslinking of hyaluronic acid confined in nanoemulsions: towards nanogels with a controlled structure. Journal of Materials Chemistry B, 2013, 1, 3369.	2.9	46

#	Article	IF	Citations
19	Impact of Electrostatics on the Adsorption of Microgels at the Interface of Pickering Emulsions. Langmuir, 2014, 30, 14745-14756.	1.6	45
20	Redoxâ€•and pHâ€Responsive Nanogels Based on Thiolated Poly(aspartic acid). Macromolecular Materials and Engineering, 2016, 301, 260-266.	1.7	35
21	Wireless Synthesis and Activation of Electrochemiluminescent Thermoresponsive Janus Objects Using Bipolar Electrochemistry. Langmuir, 2016, 32, 12995-13002.	1.6	29
22	Tuning Electrochemiluminescence in Multistimuli Responsive Hydrogel Films. Journal of Physical Chemistry Letters, 2018, 9, 340-345.	2.1	29
23	Kinetics of spontaneous microgels adsorption and stabilization of emulsions produced using microfluidics. Journal of Colloid and Interface Science, 2019, 548, 1-11.	5.0	29
24	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.	5.0	27
25	Sugar-responsive Pickering emulsions mediated by switching hydrophobicity in microgels. Journal of Colloid and Interface Science, 2020, 561, 481-493.	5.0	26
26	Wall slip across the jamming transition of soft thermoresponsive particles. Physical Review E, 2015, 92, 060301.	0.8	23
27	Differential Photoluminescent and Electrochemiluminescent Behavior for Resonance Energy Transfer Processes in Thermoresponsive Microgels. Journal of Physical Chemistry B, 2015, 119, 12954-12961.	1.2	21
28	Thermo-induced inversion of water-in-water emulsion stability by bis-hydrophilic microgels. Journal of Colloid and Interface Science, 2022, 608, 1191-1201.	5.0	21
29	Poly(aspartic acid) hydrogels showing reversible volume change upon redox stimulus. European Polymer Journal, 2018, 105, 459-468.	2.6	20
30	Two-Dimensional Electrochemiluminescence: Light Emission Confined at the Oilâ€"Water Interface in Emulsions Stabilized by Luminophore-Grafted Microgels. Langmuir, 2017, 33, 7231-7238.	1.6	16
31	Self-coacervation of ampholyte polymer chains as an efficient encapsulation strategy. Journal of Colloid and Interface Science, 2019, 548, 275-283.	5.0	16
32	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.	5.0	16
33	Thiol-ene clickable hyaluronans: From macro-to nanogels. Journal of Colloid and Interface Science, 2014, 419, 52-55.	5.0	14
34	Antagonistic effects leading to turn-on electrochemiluminescence in thermoresponsive hydrogel films. Physical Chemistry Chemical Physics, 2016, 18, 32697-32702.	1.3	14
35	Modulation of Wetting Gradients by Tuning the Interplay between Surface Structuration and Anisotropic Molecular Layers with Bipolar Electrochemistry. ChemPhysChem, 2017, 18, 2637-2642.	1.0	13
36	Oscillatory Lightâ€Emitting Biopolymer Based Janus Microswimmers. Advanced Materials Interfaces, 2020, 7, 1902094.	1.9	13

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37	Multicomponent macroporous materials with a controlled architecture. Journal of Materials Chemistry, 2009, 19, 409-414.	6.7	12
38	Dynamic Covalent Chemistry Enables Reconfigurable Allâ€Polysaccharide Nanogels. Macromolecular Rapid Communications, 2020, 41, e2000213.	2.0	12
39	Remotein vivoimaging of human skin corneocytes by means of an optical fiber bundle. Review of Scientific Instruments, 2007, 78, 053709.	0.6	11
40	Asymmetric Modification of Carbon Nanotube Arrays with Thermoresponsive Hydrogel for Controlled Delivery. ACS Applied Materials & Interfaces, 2020, 12, 23378-23387.	4.0	10
41	Full verification of the liquid exclusion-adsorption chromatography theory using monolithic capillary columns. Journal of Chromatography A, 2005, 1074, 89-98.	1.8	6
42	Wetting of Liquid Droplets on Living Cells. Journal of Colloid and Interface Science, 2002, 255, 270-273.	5.0	4
43	Single-Crystalline Gold Nanoplates from a Commercial Gold Plating Solution. Journal of Nanoscience and Nanotechnology, 2009, 9, 2045-2050.	0.9	0
44	Modulation of Wetting Gradients by Tuning the Interplay between Surface Structuration and Anisotropic Molecular Layers with Bipolar Electrochemistry. ChemPhysChem, 2017, 18, 2557-2557.	1.0	0
45	Janus Microswimmers: Oscillatory Lightâ€Emitting Biopolymer Based Janus Microswimmers (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Ov	1.9	0
46	Electrochemiluminescence in Thermo-Responsive Hydrogel Films with Tunable Thickness. Journal of Analysis and Testing, 2020, 4, 107-113.	2.5	0