Vronique Schmitt

List of Publications by Citations

90 papers	4,023 citations	36 h-index	62 g-index
94 ext. papers	4,405 ext. citations	4.9 avg, IF	5.46 L-index

#	Paper	IF	Citations
90	Soft microgels as Pickering emulsion stabilisers: role of particle deformability. *Soft Matter*, **2011**, 7, 7689	3.6	256
89	Solid-stabilized emulsions. *Current Opinion in Colloid and Interface Science*, **2008**, 13, 217-227	7.6	244
88	Materials based on solid-stabilized emulsions. *Journal of Colloid and Interface Science*, **2004**, 275, 659-64	9.3	219
87	Thermoreversible gels as magneto-optical switches. *Angewandte Chemie - International Edition*, **2004**, 43, 3283-6	16.4	158
86	Flow Behavior and Shear Induced Transition near an Isotropic/Nematic Transition in Equilibrium Polymers. *Langmuir*, **1994**, 10, 955-961	4	140
85	On the possible role of surface elasticity in emulsion stability. *Langmuir*, **2009**, 25, 5565-73	4	130
84	Pickering emulsions with stimulable particles: from highly- to weakly-covered interfaces. *Physical Chemistry Chemical Physics*, **2007**, 9, 6455-62	3.6	127
83	Production of large quantities of "Janus" nanoparticles using wax-in-water emulsions. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2009**, 332, 57-62	5.1	123
82	Rheological and Shearing Conditions for the Preparation of Monodisperse Emulsions. *Langmuir*, **2000**, 16, 422-429	4	111
81	Pickering emulsions: what are the main parameters determining the emulsion type and interfacial properties?. *Langmuir*, **2014**, 30, 9313-26	4	109
80	Shear-induced phase separation of complex fluids: The role of flow-concentration coupling. *Physical Review E*, **1995**, 52, 4009-4015	2.4	105
79	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
78	Adsorption of microgels at an oil-water interface: correlation between packing and 2D elasticity. *Soft Matter*, **2014**, 10, 6963-74	3.6	97
77	Monodisperse fragmentation in emulsions: Mechanisms and kinetics. *Europhysics Letters*, **2003**, 61, 708-714	2.4	94
76	Surface compaction versus stretching in Pickering emulsions stabilised by microgels. *Current Opinion in Colloid and Interface Science*, **2013**, 18, 532-541	7.6	92
75	Structured emulsions. *Current Opinion in Colloid and Interface Science*, **2007**, 12, 206-212	7.6	92
74	Shear Rupturing of Complex Fluids: Application to the Preparation of Quasi-Monodisperse Water-in-Oil-in-Water Double Emulsions. *Langmuir*, **2001**, 17, 5184-5188	4	92

73	Origin and control of adhesion between emulsion drops stabilized by thermally sensitive soft colloidal particles. *Langmuir*, **2012**, 28, 3744-55	4	89
72	Pickering emulsion stabilized by catalytic polyoxometalate nanoparticles: a new effective medium for oxidation reactions. *Chemistry - A European Journal*, **2012**, 18, 14352-8	4.8	88
71	Impact of pNIPAM microgel size on its ability to stabilize Pickering emulsions. *Langmuir*, **2014**, 30, 1768-77	4	84
70	Interfacial properties in solid-stabilized emulsions. *European Physical Journal B*, **2005**, 44, 381-393	1.2	83
69	Tailored Silica Macrocellular Foams: Combining Limited Coalescence-Based Pickering Emulsion and Sol□el Process. *Advanced Functional Materials*, **2012**, 22, 2642-2654	15.6	79
68	A New Method To Prepare Monodisperse Pickering Emulsions. *Langmuir*, **2002**, 18, 2515-2518	4	78
67	From shear thickening to shear-induced jamming. *Physical Review E*, **2002**, 66, 060401	2.4	71
66	Water-in-oil emulsions stabilized by water-dispersible poly(N-isopropylacrylamide) microgels: understanding anti-Finkle behavior. *Langmuir*, **2011**, 27, 14096-107	4	70
65	Structure of Salt-Free Wormlike Micelles: Signature by SANS at Rest and under Shear. *Europhysics Letters*, **1995**, 30, 31-36	1.6	64
64	Particle-stabilized emulsions comprised of solid droplets. *Langmuir*, **2005**, 21, 4316-23	4	59
63	Colloidal particles as liquid dispersion stabilizer: Pickering emulsions and materials thereof. *Comptes Rendus Physique*, **2014**, 15, 761-774	1.4	54
62	Organization of Microgels at the Air-Water Interface under Compression: Role of Electrostatics and Cross-Linking Density. *Langmuir*, **2017**, 33, 7968-7981	4	51
61	Rheology of Emulsions Stabilized by Solid Interfaces. *Langmuir*, **2003**, 19, 598-604	4	49
60	Synthesis of surfactant-free micro- and nanolatexes from Pickering emulsions stabilized by acetylated cellulose nanocrystals. *Polymer Chemistry*, **2017**, 8, 6064-6072	4.9	44
59	Thermally induced gelling of oil-in-water emulsions comprising partially crystallized droplets: the impact of interfacial crystals. *Langmuir*, **2008**, 24, 13364-75	4	42
58	Formulation and mechanical properties of emulsion-based model polymer foams. *European Physical Journal E*, **2012**, 35, 9708	1.5	40
57	Impact of electrostatics on the adsorption of microgels at the interface of Pickering emulsions. *Langmuir*, **2014**, 30, 14745-56	4	39
56	Thermostimulable wax@SiO2 core-shell particles. *Langmuir*, **2010**, 26, 1734-42	4	36

55	Emulsion Science. *Springer Tracts in Modern Physics*, **2002**,	0.1	36
54	Elastic behavior of multi-scale, open-cell foams. *Composites Part B: Engineering*, **2013**, 44, 172-183	10	35
53	Rheological Behavior of Fluorinated Highly Concentrated Reverse Emulsions with Temperature. *Journal of Colloid and Interface Science*, **1999**, 218, 522-528	9.3	35
52	Gelling of oil-in-water emulsions comprising crystallized droplets. *Langmuir*, **2007**, 23, 4792-9	4	34
51	Triple hierarchical micromesomacroporous carbonaceous foams bearing highly monodisperse macroporosity. *Carbon*, **2015**, 91, 311-320	10.4	29
50	Shear-induced instabilities in oil-in-water emulsions comprising partially crystallized droplets. *Langmuir*, **2010**, 26, 16782-90	4	27
49	Convenient Synthesis of Hybrid Polymer Materials by AGET-ATRP Polymerization of Pickering Emulsions Stabilized by Cellulose Nanocrystals Grafted with Reactive Moieties. *Biomacromolecules*, **2019**, 20, 490-501	6.9	25
48	Determination of Formulation Conditions Allowing Double Emulsions Stabilized by PGPR and Sodium Caseinate to Be Used as Capsules. *Langmuir*, **2018**, 34, 2823-2833	4	20
47	Self-assembled polyoxometalates nanoparticles as pickering emulsion stabilizers. *Journal of Physical Chemistry B*, **2015**, 119, 6326-37	3.4	19
46	Colloidal tectonics for tandem synergistic Pickering interfacial catalysis: oxidative cleavage of cyclohexene oxide into adipic acid. *Chemical Science*, **2019**, 10, 501-507	9.4	17
45	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
44	Rheological behaviour of worm-like micelles: Effect of electrostatic interactions. *Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics*, **1994**, 16, 1401-1410		16
43	Soft matter, sol–gel process and external magnetic field to design macrocellular silica scaffolds. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2005**, 263, 341-346	5.1	15
42	Rheology and Small-Angle Neutron Scattering as Tools for Evaluating Emulsification. Application to Reverse Highly Concentrated Fluorinated Emulsions. *Langmuir*, **1998**, 14, 6030-6036	4	15
41	Encapsulation of lipophilic fragrance by polymerization of the intermediate aqueous phase of an oil-in-water-in-oil (O/W/O) double emulsion. *Polymer Chemistry*, **2019**, 10, 4154-4162	4.9	14
40	Formulation of concentrated oil-in-water-in-oil double emulsions for fragrance encapsulation. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 592, 124564	5.1	14
39	First Macro-Mesocellular Silica SBA-15-Si(HIPE) Monoliths: Conditions for Obtaining Self-Standing Materials. *Chemistry of Materials*, **2018**, 30, 864-873	9.6	14
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	Thermo-Responsive Multi-Cargo Core Shell Particles. *Particle and Particle Systems Characterization*, **2013**, 30, 62-66	3.1	13
36	Measurement of the coalescence frequency in surfactant-stabilized concentrated emulsions. *Europhysics Letters*, **2004**, 67, 662-668	1.6	13
35	Understanding the Stability and Lifetime of Emulsions. *Journal of Dispersion Science and Technology* , **2002**, 23, 175-186	1.5	13
34	New Insights into the Formulation and Polymerization of Pickering Emulsions Stabilized by Natural Organic Particles. *Macromolecules*, **2021**, 54, 4945-4970	5.5	13
33	Bitumen emulsions formulation and destabilisation process relationship: influence of salts addition. *Road Materials and Pavement Design*, **2015**, 16, 330-348	2.6	12
32	Thermo-Stimulable Wax@Water@SiO2 Multicore-Shell Capsules. *Particle and Particle Systems Characterization*, **2013**, 30, 185-192	3.1	12
31	Slow dynamics and intermittent quakes in soft glassy systems. *Soft Matter*, **2013**, 9, 11129	3.6	10
30	Porous materials with tunable mechanical properties. *Journal of Porous Materials*, **2014**, 21, 903-912	2.4	10
29	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
28	Triggering the Mechanical Release of Mineralized Pickering Emulsion-Based Capsules. *Langmuir*, **2016**, 32, 3880-9	4	10
27	Water fluxes and encapsulation efficiency in double emulsions: impact of emulsification and osmotic pressure unbalance. *Soft Matter*, **2016**, 12, 3412-24	3.6	10
26	Investigation of mixed ionic/nonionic building blocks for the dual templating of macro-mesoporous silica. *Journal of Colloid and Interface Science*, **2019**, 533, 385-400	9.3	7
25	Confinement of dilute solutions of living polymers. *Journal De Physique II*, **1993**, 3, 891-902		7
24	S.A.N.S. Spectra and Elastic Plateau Modulus in a Charged Wormlike Micelles Solution: Effect of Salt. *Journal De Physique II*, **1995**, 5, 193-197		7
23	Cross-linking of double oil-in-water-in-oil emulsions: A new way for fragrance encapsulation with tunable sustained release. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 607, 125448	5.1	6
22	From Compartmentalization of Bacteria within Inorganic Macrocellular Beads to the Assembly of Microbial Consortia. *Advanced Biology*, **2018**, 2, 1700233	3.5	5
21	Dextran-Based Nanoparticles to Formulate pH-Responsive Pickering Emulsions: A Fully Degradable Vector at a Day Scale. *Biomacromolecules*, **2020**, 21, 5358-5368	6.9	5
20	Coalescence in concentrated emulsions: theoretical predictions and comparison with experimental bottle test behaviour. *Soft Matter*, **2020**, 16, 10301-10309	3.6	5

19	Effect of a Surfactant Mixture on Coalescence Occurring in Concentrated Emulsions: The Hole Nucleation Theory Revisited. *Langmuir*, **2021**, 37, 8726-8737	4	5
18	Bitumen@SiO2 core-shell particles green synthesis towards flowable powdered bitumen and their binder applications. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 570, 531-543	5.1	4
17	Development of dispersible and flowable powdered bitumen. *Journal of Cleaner Production*, **2017**, 141, 940-946	10.3	4
16	Green Hydrophilic Capsules from Cellulose Nanocrystal-Stabilized Pickering Emulsion Polymerization: Morphology Control and Spongelike Behavior. *Biomacromolecules*, **2021**, 22, 3497-3509	6.9	4
15	Sol□gel process and complex fluids: sculpting porous matter at various lengths scales towards the Si(HIPE), Si(PHIPE), and SBA-15-Si(HIPE) series. *Journal of Sol-Gel Science and Technology*, **2019**, 90, 95-104	2.3	4
14	Particles with tunable wettability for solid-stabilized emulsions. *Journal of Dispersion Science and Technology*, **2019**, 40, 219-230	1.5	4
13	Importance of thermal gradient in the bitumen bees genesis. *Journal of Materials Science*, **2015**, 50, 6586-6600	4.5	3
12	Bitumen Emulsion Destabilization Kinetics: Importance of the Crystallized Wax Content. *Langmuir*, **2017**, 33, 9740-9749	4	3
11	Thermomagnetically Responsive □Fe2O3@Wax@SiO2 Sub-Micrometer Capsules. *Particle and Particle Systems Characterization*, **2017**, 34, 1700063	3.1	3
10	Integrative chemistry: Positioning chemical reactors within the geometric space as a tool for the design of advanced functional materials. *Comptes Rendus Chimie*, **2016**, 19, 216-230	2.7	2
9	Outstanding Stability of Poorly-protected Pickering Emulsions **2010**, 13-18		2
8	Elaboration of double emulsion-based polymeric capsules for fragrance. *Colloid and Polymer Science*, **2021**, 299, 179-191	2.4	2
7	Scalability of transport parameters with pore sizes in isodense disordered media. *Europhysics Letters*, **2014**, 107, 64003	1.6	1
6	Pickering emulsions stabilized by biodegradable dextran-based nanoparticles featuring enzyme responsiveness and co-encapsulation of actives.. *Carbohydrate Polymers*, **2022**, 284, 119146	10.3	1
5	Elaboration of capsules from Pickering double emulsion polymerization stabilized solely by cellulose nanocrystals.. *Carbohydrate Polymers*, **2022**, 279, 118997	10.3	1
4	Spatio-temporal control over destabilization of Pickering emulsions stabilized by light-sensitive dextran-based nanoparticles. *Carbohydrate Polymers*, **2021**, 269, 118261	10.3	1
3	(Hydroxypropyl)methyl cellulose-chitosan film as a matrix for lipase immobilization: Operational and morphological study. *Molecular Catalysis*, **2022**, 522, 112252	3.3	0
2	Compressibility and Elasticity of Concentrated Emulsions **2007**, 126-142		

List of Publications

1 Breaking of Emulsions with Chemical Additives: Using Surrogate Fluids to Develop a Novel Theoretical Framework and Its Application to Water-in-Crude Oil Emulsions. *ACS Omega*, **2021**, 6, 27976-27983 39