

Jan Vermant

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

194
papers

10,746
citations

53
h-index

97
g-index

213
ext. papers

11,918
ext. citations

5.7
avg, IF

6.55
L-index

#	Paper	IF	Citations
194	Variations in human saliva viscoelasticity affect aerosolization propensity.. <i>Soft Matter</i> , 2022 ,	3.6	1
193	Tying the Knot—Enhanced Recycling through Ultrafast Entangling across Ultrahigh Molecular Weight Polyethylene Interfaces. <i>Macromolecules</i> , 2021 , 54, 9452-9460	5.5	2
192	One-step creation of hierarchical fractal structures. <i>Polymer Engineering and Science</i> , 2021 , 61, 1257-1262.	2.3	0
191	Computational interfacial rheology. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2021 , 290, 104507	2.7	12
190	Drag on a spherical particle at the air-liquid interface: Interplay between compressibility, Marangoni flow, and surface viscosities. <i>Physics of Fluids</i> , 2021 , 33, 062103	4.4	3
189	Thin liquid films: Where hydrodynamics, capillarity, surface stresses and intermolecular forces meet. <i>Current Opinion in Colloid and Interface Science</i> , 2021 , 53, 101441	7.6	14
188	Active Particles to Interrogate Bilayer Mechanics. <i>Chimia</i> , 2021 , 75, 104	1.3	0
187	Thin film drainage dynamics of wheat and rye dough liquors and oat batter liquor. <i>Food Hydrocolloids</i> , 2021 , 116, 106624	10.6	2
186	Dynamic stabilisation during the drainage of thin film polymer solutions. <i>Soft Matter</i> , 2021 , 17, 4790-4803.	3.6	5
185	Light-switchable propulsion of active particles with reversible interactions. <i>Nature Communications</i> , 2020 , 11, 2628	17.4	25
184	The role of lipids in determining the air-water interfacial properties of wheat, rye, and oat dough liquor constituents. <i>Food Chemistry</i> , 2020 , 319, 126565	8.5	10
183	The role of non-starch polysaccharides in determining the air-water interfacial properties of wheat, rye, and oat dough liquor constituents. <i>Food Hydrocolloids</i> , 2020 , 105, 105771	10.6	15
182	Viscoelastic cluster densification in sheared colloidal gels. <i>Soft Matter</i> , 2020 , 16, 2437-2447	3.6	7
181	Operating windows for oscillatory interfacial shear rheology. <i>Journal of Rheology</i> , 2020 , 64, 141-160	4.1	25
180	Bulk rheometry at high frequencies: a review of experimental approaches. <i>Rheologica Acta</i> , 2020 , 59, 1-22	2.3	13
179	Breakup of Thin Liquid Films: From Stochastic to Deterministic. <i>Physical Review Letters</i> , 2020 , 125, 158001.	7.4	12
178	Active particles induce large shape deformations in giant lipid vesicles. <i>Nature</i> , 2020 , 586, 52-56	50.4	33

177	Assessing the Interfacial Activity of Insoluble Asphaltene Layers: Interfacial Rheology versus Interfacial Tension. <i>Langmuir</i> , 2020 , 36, 14942-14959	4	11
176	Mimicking coalescence using a pressure-controlled dynamic thin film balance. <i>Soft Matter</i> , 2020 , 16, 9410-9422	10	10
175	Surface viscoelasticity in model polymer multilayers: From planar interfaces to rising bubbles. <i>Journal of Rheology</i> , 2019 , 63, 815-828	4.1	8
174	Designing and transforming yield-stress fluids. <i>Current Opinion in Solid State and Materials Science</i> , 2019 , 23, 100758	12	32
173	Effects of particle stiffness on the extensional rheology of model rod-like nanoparticle suspensions. <i>Soft Matter</i> , 2019 , 15, 833-841	3.6	12
172	Controlling the lifetime of antibubbles. <i>Advances in Colloid and Interface Science</i> , 2019 , 270, 73-86	14.3	15
171	Stress Contributions in Colloidal Suspensions: The Smooth, the Rough, and the Hairy. <i>Physical Review Letters</i> , 2019 , 122, 218001	7.4	9
170	Rough geometries with viscoelastic Boger fluids: Predicting the apparent wall slip with a porous medium approach. <i>Journal of Rheology</i> , 2019 , 63, 569-582	4.1	12
169	Orthogonal superposition rheometry of model colloidal glasses with short-ranged attractions. <i>Journal of Rheology</i> , 2019 , 63, 533-546	4.1	9
168	Flow dynamics of concentrated starlike micelles: A superposition rheometry investigation into relaxation mechanisms. <i>Journal of Rheology</i> , 2019 , 63, 641-653	4.1	6
167	Molecularly Designed Interfacial Viscoelasticity by Dendronized Polymers: From Flexible Macromolecules to Colloidal Objects. <i>ACS Nano</i> , 2019 , 13, 14217-14229	16.7	5
166	Ultrafast imaging of soft materials during shear flow 2019 , 31, 229-240		4
165	Self-assembly of ellipsoidal particles at fluid-fluid interfaces with an empirical pair potential. <i>Journal of Colloid and Interface Science</i> , 2019 , 534, 205-214	9.3	11
164	Electrically Conductive Thin Films Derived from Bulk Graphite and Liquid-Liquid Interface Assembly. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1801570	4.6	10
163	Interfacial Fourier transform shear rheometry of complex fluid interfaces. <i>Rheologica Acta</i> , 2019 , 58, 29-45	2.3	7
162	Interfacial rheology of model particles at liquid interfaces and its relation to (bicontinuous) Pickering emulsions. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 023002	1.8	23
161	Emulsions Stabilized by Chitosan-Modified Silica Nanoparticles: pH Control of Structure-Property Relations. <i>Langmuir</i> , 2018 , 34, 6147-6160	4	37
160	Toward Realistic Large-Area Cell Membrane Mimics: Excluding Oil, Controlling Composition, and Including Ion Channels. <i>Langmuir</i> , 2018 , 34, 5880-5888	4	10

159	Rheo-optical Analysis of Functionalized Graphene Suspensions. <i>Langmuir</i> , 2018 , 34, 7844-7851	4	8
158	Orientation dynamics of dilute functionalized graphene suspensions in oscillatory flow. <i>Physical Review Fluids</i> , 2018 , 3,	2.8	9
157	Designer liquid-liquid interfaces made from transient double emulsions. <i>Nature Communications</i> , 2018 , 9, 4763	17.4	14
156	Tensiometry and rheology of complex interfaces. <i>Current Opinion in Colloid and Interface Science</i> , 2018 , 37, 136-150	7.6	70
155	Adsorption of Ellipsoidal Particles at Liquid-Liquid Interfaces. <i>Langmuir</i> , 2017 , 33, 2689-2697	4	23
154	Interfacial Rheology of Sterically Stabilized Colloids at Liquid Interfaces and Its Effect on the Stability of Pickering Emulsions. <i>Langmuir</i> , 2017 , 33, 4107-4118	4	38
153	Quantifying the dispersion quality of partially aggregated colloidal dispersions by high frequency rheology. <i>Soft Matter</i> , 2017 , 13, 7897-7906	3.6	16
152	Superposition rheology and anisotropy in rheological properties of sheared colloidal gels. <i>Journal of Rheology</i> , 2017 , 61, 1035-1048	4.1	29
151	Arresting dissolution by interfacial rheology design. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 10373-10378	11.5	48
150	Characterization and modelling of Langmuir interfaces with finite elasticity. <i>Soft Matter</i> , 2017 , 13, 5977-5990	3.9	36
149	From drop-shape analysis to stress-fitting elastometry. <i>Advances in Colloid and Interface Science</i> , 2017 , 247, 33-51	14.3	42
148	A versatile subphase exchange cell for interfacial shear rheology. <i>Rheologica Acta</i> , 2017 , 56, 1-10	2.3	9
147	Fibrin structural and diffusional analysis suggests that fibers are permeable to solute transport. <i>Acta Biomaterialia</i> , 2017 , 47, 25-39	10.8	14
146	Simple Optical Imaging of Nanoscale Features in Free-Standing Films. <i>ACS Omega</i> , 2016 , 1, 363-370	3.9	15
145	From near hard spheres to colloidal surfboards. <i>Faraday Discussions</i> , 2016 , 191, 325-349	3.6	13
144	Limiting coalescence by interfacial rheology: over-compressed polyglycerol ester layers. <i>Rheologica Acta</i> , 2016 , 55, 537-546	2.3	10
143	Semifluorinated Alkanes at the Air-Water Interface: Tailoring Structure and Rheology at the Molecular Scale. <i>Langmuir</i> , 2016 , 32, 3139-51	4	13
142	Sorption and Interfacial Rheology Study of Model Asphaltene Compounds. <i>Langmuir</i> , 2016 , 32, 2900-11	4	47

141	Nanoscale Study of Polymer Dynamics. <i>ACS Nano</i> , 2016 , 10, 1434-41	16.7	25
140	Acoustic trapping of active matter. <i>Nature Communications</i> , 2016 , 7, 10694	17.4	121
139	Simple microfluidic stagnation point flow geometries. <i>Biomicrofluidics</i> , 2016 , 10, 043506	3.2	6
138	Interfacial properties of highly soluble crayfish protein derivatives. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 499, 10-17	5.1	10
137	Millimeter-area, free standing, phospholipid bilayers. <i>Soft Matter</i> , 2016 , 12, 4324-31	3.6	34
136	Predicting the apparent wall slip when using roughened geometries: A porous medium approach. <i>Journal of Rheology</i> , 2015 , 59, 1131-1149	4.1	29
135	Langmuir monolayer characterization via polymer microtensiometers. <i>Sensors and Actuators A: Physical</i> , 2015 , 229, 110-117	3.9	4
134	Surfactant-induced rigidity of interfaces: a unified approach to free and dip-coated films. <i>Soft Matter</i> , 2015 , 11, 2758-70	3.6	36
133	Soft-Glassy Rheology of Asphaltenes at Liquid Interfaces. <i>Journal of Dispersion Science and Technology</i> , 2015 , 36, 1444-1451	1.5	32
132	Lung surfactants and different contributions to thin film stability. <i>Soft Matter</i> , 2015 , 11, 8048-57	3.6	66
131	Droplets Drying on Surfaces 2015 , 251-280		3
130	Convective Cage Release in Model Colloidal Glasses. <i>Physical Review Letters</i> , 2015 , 115, 218301	7.4	26
129	Fabrication of planar colloidal clusters with template-assisted interfacial assembly. <i>Langmuir</i> , 2015 , 31, 1632-40	4	19
128	The Role of Biosurfactants in Bacterial Systems 2015 , 189-204		3
127	String formation in sheared suspensions in rheologically complex media: The essential role of shear thinning. <i>Journal of Rheology</i> , 2014 , 58, 237-254	4.1	27
126	Separating viscoelastic and compressibility contributions in pressure-area isotherm measurements. <i>Advances in Colloid and Interface Science</i> , 2014 , 206, 428-36	14.3	43
125	Thermocapillary fingering in surfactant-laden water droplets. <i>Langmuir</i> , 2014 , 30, 13338-44	4	16
124	Interfacial shear rheology of DPPC under physiologically relevant conditions. <i>Soft Matter</i> , 2014 , 10, 175-86	3.6	58

123	Contact angles of microellipsoids at fluid interfaces. <i>Langmuir</i> , 2014 , 30, 4289-300	4	48
122	Weak electrolyte dependence in the repulsion of colloids at an oil-water interface. <i>Langmuir</i> , 2014 , 30, 2670-5	4	31
121	Micro and macrorheology at fluid-fluid interfaces. <i>Soft Matter</i> , 2014 , 10, 7023-33	3.6	45
120	A simple route towards graphene oxide frameworks. <i>Materials Horizons</i> , 2014 , 1, 139-145	14.4	51
119	Shear-stress-induced conformational changes of von Willebrand factor in a water-glycerol mixture observed with single molecule microscopy. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 5660-9	3.4	29
118	A Polymer Microdevice for Tensiometry of Insoluble Components. <i>Procedia Engineering</i> , 2014 , 87, 80-83		3
117	Field-induced assembly of colloidal ellipsoids into well-defined microtubules. <i>Nature Communications</i> , 2014 , 5, 5516	17.4	71
116	Role of Ambient Composition on the Formation and Shape of Watermarks on a Bare Silicon Substrate. <i>ECS Journal of Solid State Science and Technology</i> , 2014 , 3, N3081-N3086	2	4
115	X-ray scattering in the vorticity direction and rheometry from confined fluids. <i>Review of Scientific Instruments</i> , 2014 , 85, 065108	1.7	7
114	Superposition rheometry of a wormlike micellar fluid. <i>Rheologica Acta</i> , 2013 , 52, 727-740	2.3	34
113	A fixture for interfacial dilatational rheometry using a rotational rheometer. <i>European Physical Journal: Special Topics</i> , 2013 , 222, 83-97	2.3	17
112	Rough nanoparticles at the oil-water interfaces: their structure, rheology and applications. <i>Soft Matter</i> , 2013 , 9, 10791	3.6	38
111	Elongated polystyrene spheres as resonant building blocks in anisotropic colloidal crystals. <i>Soft Matter</i> , 2013 , 9, 9129	3.6	19
110	Interfacial properties of crayfish protein isolate/chitosan mixed films. <i>Food Hydrocolloids</i> , 2013 , 32, 395-401		7
109	Hydrodynamic interactions between two equally sized spheres in viscoelastic fluids in shear flow. <i>Langmuir</i> , 2013 , 29, 5701-13	4	28
108	Auto-production of biosurfactants reverses the coffee ring effect in a bacterial system. <i>Nature Communications</i> , 2013 , 4, 1757	17.4	172
107	Interfacial behaviour of crayfish protein isolate. <i>Food Hydrocolloids</i> , 2013 , 30, 470-476	10.6	13
106	Versatile ferrofluids based on polyethylene glycol coated iron oxide nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 1919-1925	2.8	59

105	Migration of a sphere suspended in viscoelastic liquids in Couette flow: experiments and simulations. <i>Rheologica Acta</i> , 2012 , 51, 215-234	2.3	19
104	Interfacial rheology and structure of tiled graphene oxide sheets. <i>Langmuir</i> , 2012 , 28, 7990-8000	4	86
103	Surface tension gradient control of bacterial swarming in colonies of <i>Pseudomonas aeruginosa</i> . <i>Soft Matter</i> , 2012 , 8, 70-76	3.6	39
102	Letter to the editor regarding the article by Wittmaack. <i>Chemical Research in Toxicology</i> , 2012 , 25, 4-6; author reply 7-10	4	3
101	Extensional rheometry at interfaces: Analysis of the Cambridge Interfacial Tensiometer. <i>Journal of Rheology</i> , 2012 , 56, 1225	4.1	13
100	Probing structure in colloidal gels of thermoreversible rodlike virus particles: Rheology and scattering. <i>Journal of Rheology</i> , 2012 , 56, 1153-1174	4.1	33
99	Dispensing of rheologically complex fluids: The map of misery. <i>AIChE Journal</i> , 2012 , 58, 3242-3255	3.6	89
98	Complex fluid-fluid interfaces: rheology and structure. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2012 , 3, 519-43	8.9	202
97	Modeling and data analysis of a multimode resonator sensor loaded with viscous and viscoelastic fluids 2012 ,		2
96	Viscoelasticity Sensor with Resonance Tuning and Low-Cost Interface. <i>Procedia Engineering</i> , 2011 , 25, 623-626		5
95	Effect of thermally reduced graphene sheets on the phase behavior, morphology, and electrical conductivity in poly[(β -methyl styrene)-co-(acrylonitrile)]/poly(methyl-methacrylate) blends. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 3172-80	9.5	63
94	Flow dichroism as a reliable method to measure the hydrodynamic aspect ratio of gold nanoparticles. <i>ACS Nano</i> , 2011 , 5, 4935-44	16.7	29
93	Comparison between 2-hydroxypropyl- β -cyclodextrin and 2-hydroxypropyl- β -cyclodextrin for inclusion complex formation with danazol. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2011 , 71, 137-147		5
92	Assessment of the Dispersion Quality in Polymer Nanocomposites by Rheological Methods. <i>Macromolecular Materials and Engineering</i> , 2011 , 296, 331-340	3.9	57
91	Flow-induced structure in colloidal gels: direct visualization of model 2D suspensions. <i>Soft Matter</i> , 2011 , 7, 7717	3.6	43
90	Electric field controlled capillary traps at water/oil interfaces. <i>Soft Matter</i> , 2011 , 7, 10597	3.6	9
89	Study of the flow field in the magnetic rod interfacial stress rheometer. <i>Langmuir</i> , 2011 , 27, 9345-58	4	56
88	Synthesis and directed self-assembly of patterned anisometric polymeric particles. <i>Journal of the American Chemical Society</i> , 2011 , 133, 392-5	16.4	102

87	The conflict between in vitro release studies in human biorelevant media and the in vivo exposure in rats of the lipophilic compound fenofibrate. <i>International Journal of Pharmaceutics</i> , 2011 , 414, 118-24	6.5	49
86	Effect of viscoelasticity on the rotation of a sphere in shear flow. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2011 , 166, 363-372	2.7	53
85	Solubility increases associated with crystalline drug nanoparticles: methodologies and significance. <i>Molecular Pharmaceutics</i> , 2010 , 7, 1858-70	5.6	89
84	Growth of itraconazole nanofibers in supersaturated simulated intestinal fluid. <i>Molecular Pharmaceutics</i> , 2010 , 7, 905-13	5.6	17
83	Investigation of Nanoparticles Occurring in the Colloidal Silicalite-1 Zeolite Crystallization Process Using Dissolution Experiments. <i>Chemistry of Materials</i> , 2010 , 22, 3619-3629	9.6	21
82	Directed self-assembly of spheres into a two-dimensional colloidal crystal by viscoelastic stresses. <i>Langmuir</i> , 2010 , 26, 3016-9	4	32
81	Directed self-assembly of nanoparticles. <i>ACS Nano</i> , 2010 , 4, 3591-605	16.7	1713
80	Finite ion-size effects dominate the interaction between charged colloidal particles at an oil-water interface. <i>Physical Review Letters</i> , 2010 , 105, 048303	7.4	113
79	Phase separation as a tool to control dispersion of multiwall carbon nanotubes in polymeric blends. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 800-7	9.5	86
78	Efficiently suppressing coalescence in polymer blends using nanoparticles: role of interfacial rheology. <i>Soft Matter</i> , 2010 , 6, 3353	3.6	126
77	Heterogeneity of the electrostatic repulsion between colloids at the oil/water interface. <i>Soft Matter</i> , 2010 , 6, 5327	3.6	85
76	Interfacial layers of stimuli-responsive poly-(N-isopropylacrylamide-co-methacrylic acid) (PNIPAM-co-MAA) microgels characterized by interfacial rheology and compression isotherms. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 14573-8	3.6	104
75	A double wall-ring geometry for interfacial shear rheometry. <i>Rheologica Acta</i> , 2010 , 49, 131-144	2.3	218
74	The effect of particle size and migration on the formation of flow-induced structures in viscoelastic suspensions. <i>Rheologica Acta</i> , 2010 , 49, 993-1001	2.3	52
73	Investigation of the mechanism of colloidal silicalite-1 crystallization by using DLS, SAXS, and ²⁹ Si NMR spectroscopy. <i>Chemistry - A European Journal</i> , 2010 , 16, 2764-74	4.8	55
72	Shear wave sensors for viscoelastic properties. <i>Procedia Engineering</i> , 2010 , 5, 1316-1319		2
71	Formulate-ability of ten compounds with different physicochemical profiles in SMEDDS. <i>European Journal of Pharmaceutical Sciences</i> , 2009 , 38, 479-88	5.1	51
70	A screening study of surface stabilization during the production of drug nanocrystals. <i>Journal of Pharmaceutical Sciences</i> , 2009 , 98, 2091-103	3.9	163

69	Ordered mesoporous silica material SBA-15: a broad-spectrum formulation platform for poorly soluble drugs. <i>Journal of Pharmaceutical Sciences</i> , 2009 , 98, 2648-58	3.9	212
68	Natural suspended particle fragmentation in magnetic scale prevention device. <i>Chemical Engineering Science</i> , 2009 , 64, 1904-1906	4.4	16
67	Reversible gelation of rod-like viruses grafted with thermoresponsive polymers. <i>Langmuir</i> , 2009 , 25, 2437-42	4	44
66	Exploiting particle shape in solid stabilized emulsions. <i>Soft Matter</i> , 2009 , 5, 1717	3.6	316
65	Self-assembly and rheology of ellipsoidal particles at interfaces. <i>Langmuir</i> , 2009 , 25, 2718-28	4	260
64	Rotation of a sphere in a viscoelastic liquid subjected to shear flow. Part II. Experimental results. <i>Journal of Rheology</i> , 2009 , 53, 459-480	4.1	44
63	Anisotropy of nonaqueous layered silicate suspensions subjected to shear flow. <i>Journal of Rheology</i> , 2009 , 53, 517-538	4.1	22
62	Direct visualization of yielding in model two-dimensional colloidal gels subjected to shear flow. <i>Journal of Rheology</i> , 2009 , 53, 1437-1460	4.1	64
61	Viscosity sensing in heated alkaline zeolite synthesis media. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 2854-7	3.6	19
60	Magnetic field assisted nanoparticle dispersion. <i>Chemical Communications</i> , 2009 , 47-9	5.8	19
59	High-throughput study of phenytoin solid dispersions: formulation using an automated solvent casting method, dissolution testing, and scaling-up. <i>ACS Combinatorial Science</i> , 2008 , 10, 637-43		21
58	Flow-induced conformational changes in gelatin structure and colloidal stabilization. <i>Langmuir</i> , 2008 , 24, 9636-41	4	20
57	Direct measurements of the effects of salt and surfactant on interaction forces between colloidal particles at water-oil interfaces. <i>Langmuir</i> , 2008 , 24, 1686-94	4	164
56	Analysis of the magnetic rod interfacial stress rheometer. <i>Journal of Rheology</i> , 2008 , 52, 261-285	4.1	122
55	Rotation of a sphere in a viscoelastic liquid subjected to shear flow. Part I: Simulation results. <i>Journal of Rheology</i> , 2008 , 52, 1331-1346	4.1	68
54	Living on a surface: swarming and biofilm formation. <i>Trends in Microbiology</i> , 2008 , 16, 496-506	12.4	320
53	Microcrystalline cellulose, a useful alternative for sucrose as a matrix former during freeze-drying of drug nanosuspensions - a case study with itraconazole. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008 , 70, 590-6	5.7	73
52	Solidification of Emulsified Polymer Solutions via Phase Inversion (SEPI): A Generic Way To Prepare Polymers with Controlled Porosity. <i>Chemistry of Materials</i> , 2008 , 20, 3457-3465	9.6	22

51	Characterization of nanoparticles in diluted clear solutions for Silicalite-1 zeolite synthesis using liquid ^{29}Si NMR, SAXS and DLS. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 5574-83	3.6	48
50	Particle-stabilized polymer blends. <i>Rheologica Acta</i> , 2008 , 47, 835-839	2.3	46
49	Flow-induced orientation of non-spherical particles: Effect of aspect ratio and medium rheology. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2008 , 155, 39-50	2.7	92
48	Interfacial rheology of stable and weakly aggregated two-dimensional suspensions. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 6463-75	3.6	105
47	Combined NMR, SAXS, and DLS Study of Concentrated Clear Solutions Used in Silicalite-1 Zeolite Synthesis. <i>Chemistry of Materials</i> , 2007 , 19, 3448-3454	9.6	73
46	Quantifying dispersion of layered nanocomposites via melt rheology. <i>Journal of Rheology</i> , 2007 , 51, 429-450	4.5	210
45	Director Orientation of Nematic Side-Chain Liquid Crystalline Polymers Under Shear Flow: Comparison of a Flow-Aligning and a Non-Flow-Aligning Polysiloxane. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 2161-2172	2.6	11
44	Influence of surfactant addition sequence on the suspension properties and electrophoretic deposition behaviour of alumina and zirconia. <i>Journal of the European Ceramic Society</i> , 2006 , 26, 933-939 ⁶		26
43	Quorum signal molecules as biosurfactants affecting swarming in <i>Rhizobium etli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 14965-70	11.5	119
42	Flow Alignment of Prolate Particles on a Rotating Disk Electrode. <i>Journal of the Electrochemical Society</i> , 2006 , 153, C660	3.9	4
41	Packing, flipping, and buckling transitions in compressed monolayers of ellipsoidal latex particles. <i>Langmuir</i> , 2006 , 22, 6605-12	4	142
40	Control over colloidal aggregation in monolayers of latex particles at the oil-water interface. <i>Langmuir</i> , 2006 , 22, 4936-45	4	140
39	A novel method to prepare porous membranes/polymers with easy control over porosity and increased compaction resistance. <i>Desalination</i> , 2006 , 199, 34-36	10.3	
38	Transport mechanisms of dissolved organic compounds in aqueous solution during nanofiltration. <i>Journal of Membrane Science</i> , 2006 , 279, 311-319	9.6	78
37	Flow-induced structure in colloidal suspensions. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, R187-R2168	168	246
36	Multi length scale analysis of the microstructure in sticky sphere dispersions during shear flow. <i>Langmuir</i> , 2005 , 21, 11017-25	4	52
35	Flow behavior of colloidal rodlike viruses in the nematic phase. <i>Langmuir</i> , 2005 , 21, 8048-57	4	60
34	Deviations from the Stress-Optical Rule in Telechelic Associative Polymer Solutions. <i>Macromolecules</i> , 2005 , 38, 1911-1918	5.5	22

33	Shear thickening in filled Boger fluids. <i>Journal of Rheology</i> , 2005 , 49, 551-567	4.1	44
32	Influence of ammonium salt of poly-methacrylic acid and butylamine addition on the viscosity and electrophoretic deposition behavior of ethanol-based powder suspensions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005 , 267, 74-78	5.1	10
31	Design and synthesis of hierarchical materials from ordered zeolitic building units. <i>Chemistry - A European Journal</i> , 2005 , 11, 4306-13	4.8	93
30	Unexpected microgravity effect during the self-organization of silicalite-1 nanoslabs. <i>Microgravity Science and Technology</i> , 2005 , 16, 74-78	1.6	
29	Rheoptical study of the early stages of flow enhanced crystallization in isotactic polypropylene. <i>Rheologica Acta</i> , 2004 , 43, 210-222	2.3	35
28	Coalescence suppression in model immiscible polymer blends by nano-sized colloidal particles. <i>Rheologica Acta</i> , 2004 , 43, 529-538	2.3	140
27	Effect of the viscoelasticity of the suspending fluid on structure formation in suspensions. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2004 , 117, 183-192	2.7	104
26	Dynamic transitions and oscillatory melting of a two-dimensional crystal subjected to shear flow. <i>Journal of Rheology</i> , 2004 , 48, 159-173	4.1	32
25	How to obtain the elongational viscosity of dilute polymer solutions?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003 , 319, 125-133	3.3	40
24	Flow-Induced Anisotropy and Reversible Aggregation in Two-Dimensional Suspensions. <i>Langmuir</i> , 2003 , 19, 9134-9141	4	80
23	Structure and dynamics of particle monolayers at a liquid-liquid interface subjected to shear flow. <i>Faraday Discussions</i> , 2003 , 123, 145-56; discussion 173-92, 419-21	3.6	54
22	Prediction and observation of sustained oscillations in a sheared liquid crystalline polymer. <i>Physical Review Letters</i> , 2003 , 90, 098304	7.4	30
21	Structure and rheology during shear-induced crystallization of a latex suspension. <i>Physical Review E</i> , 2002 , 66, 022401	2.4	46
20	Structure and Dynamics of Particle Monolayers at a Liquid-Liquid Interface Subjected to Extensional Flow. <i>Langmuir</i> , 2002 , 18, 4372-4375	4	58
19	Rheology and Structure of Suspensions in Liquid Crystalline Hydroxypropylcellulose Solutions. <i>Langmuir</i> , 2002 , 18, 5695-5703	4	11
18	Large-scale structures in sheared colloidal dispersions. <i>Current Opinion in Colloid and Interface Science</i> , 2001 , 6, 489-495	7.6	55
17	Rheoptical determination of aspect ratio and polydispersity of nonspherical particles. <i>AIChE Journal</i> , 2001 , 47, 790-798	3.6	34
16	Determining Relaxation Modes in Flowing Associative Polymers Using Superposition Flows. <i>Macromolecules</i> , 2001 , 34, 1376-1383	5.5	48

15	Comparison of Measurement Techniques for Evaluating the Pressure Dependence of the Viscosity. <i>Applied Rheology</i> , 2001 , 11, 26-37	1.2	57
14	Flow-Induced Anisotropy in Mixtures of Associative Polymers and Latex Particles. <i>Journal of Colloid and Interface Science</i> , 2000 , 224, 179-187	9.3	30
13	Rheology of sterically stabilized dispersions and latices. <i>Progress in Organic Coatings</i> , 2000 , 40, 111-117	4.8	38
12	Orthogonal and parallel superposition measurements on lyotropic liquid crystalline polymers. <i>Rheologica Acta</i> , 2000 , 39, 26-37	2.3	21
11	Effects of particles on the steady state and transient rheology of lyotropic hydroxypropylcellulose solutions. <i>Journal of Rheology</i> , 2000 , 44, 1417-1432	4.1	9
10	An evaluation of the Larson-Doi model for liquid crystalline polymers using recoil. <i>Rheologica Acta</i> , 1999 , 38, 537-547	2.3	6
9	Large-Scale Bundle Ordering in Sterically Stabilized Latices. <i>Journal of Colloid and Interface Science</i> , 1999 , 211, 221-229	9.3	28
8	Effect of fillers on the steady state rheological behaviour of liquid crystalline polymers. <i>Rheologica Acta</i> , 1998 , 37, 463-469	2.3	14
7	Orthogonal versus parallel superposition measurements. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1998 , 79, 173-189	2.7	75
6	Anisotropy and Orientation of the Microstructure in Viscous Emulsions during Shear Flow. <i>Langmuir</i> , 1998 , 14, 1612-1617	4	58
5	Parallel Versus Orthogonal Superposition Rheometry 1998 , 503-504		
4	Orthogonal superposition measurements using a rheometer equipped with a force rebalanced transducer. <i>Review of Scientific Instruments</i> , 1997 , 68, 4090-4096	1.7	43
3	Experimental Evidence for the Existence of a Wagging Regime in Polymeric Liquid Crystals. <i>Macromolecules</i> , 1997 , 30, 1323-1328	5.5	42
2	A comparison between texture and rheological behaviour of lyotropic liquid crystalline polymers during flow. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1994 , 53, 1-23	2.7	38
1	Band formation upon cessation of flow in liquid-crystalline polymers. <i>Journal of Rheology</i> , 1994 , 38, 1571-1589	4.1	30