Vesselin N Paunov

List of Publications by Year in Descending Order

165 papers	7,970 citations	46 h-index	85 g-index
173 ext. papers	8,743 ext. citations	6.9 avg, IF	6.2 L-index

#	Paper	IF	Citations
165	Biofilm-Infected Human Clusteroid Three-Dimensional Coculture Platform to Replace Animal Models in Testing Antimicrobial Nanotechnologies. *ACS Applied Materials & Interfaces*, **2021**, 13, 22182-22194	9.5	6
164	Sustained In Vitro and In Vivo Delivery of Metformin from Plant Pollen-Derived Composite Microcapsules. *Pharmaceutics*, **2021**, 13,	6.4	2
163	Smart active antibiotic nanocarriers with protease surface functionality can overcome biofilms of resistant bacteria. *Materials Chemistry Frontiers*, **2021**, 5, 961-972	7.8	11
162	Superenhanced Removal of Fungal Biofilms by Protease-Functionalized Amphotericin B Nanocarriers. *Advanced NanoBiomed Research*, **2021**, 1, 2000027	0	6
161	Enhanced clearing of biofilms on a 3D urothelial cell model using lysozyme-functionalized fluconazole-loaded shellac nanoparticles. *Biomaterials Science*, **2021**, 9, 6927-6939	7.4	1
160	Advanced Alcalase-Coated Clindamycin-Loaded Carbopol Nanogels for Removal of Persistent Bacterial Biofilms. *ACS Applied Nano Materials*, **2021**, 4, 1187-1201	5.6	7
159	Enhanced Antimould Action of Surface Modified Copper Oxide Nanoparticles with Phenylboronic Acid Surface Functionality. *Biomimetics*, **2021**, 6,	3.7	2
158	Enhanced Antimicrobial Action of Chlorhexidine Loaded in Shellac Nanoparticles with Cationic Surface Functionality. *Pharmaceutics*, **2021**, 13,	6.4	2
157	Antibody-free bioimprint aided sandwich ELISA technique for cell recognition and rapid screening for bacteria. *Nano Select*, **2020**, 1, 673-688	3.1	
156	Advanced biomedical applications based on emerging 3D cell culturing platforms. *Journal of Materials Chemistry B*, **2020**, 8, 10487-10501	7.3	11
155	Scalable Formation of Concentrated Monodisperse Lignin Nanoparticles by Recirculation-Enhanced Flash Nanoprecipitation. *Particle and Particle Systems Characterization*, **2020**, 37, 2000122	3.1	9
154	Silver Nanoparticles in Zebrafish () Embryos: Uptake, Growth and Molecular Responses. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	13
153	Removal of Human Leukemic Cells from Peripheral Blood Mononuclear Cells by Cell Recognition Chromatography with Size Matched Particle Imprints.. *ACS Applied Bio Materials*, **2020**, 3, 789-800	4.1	1
152	High-throughput fabrication of hepatic cell clusteroids with enhanced growth and functionality for tissue engineering applications. *Materials Advances*, **2020**, 1, 3022-3032	3.3	4
151	Surface-Modified Zinc Oxide Nanoparticles for Antialgal and Antiyeast Applications. *ACS Applied Nano Materials*, **2020**, 3, 440-451	5.6	27
150	Targeted removal of blood cancer cells from mixed cell populations by cell recognition with matching particle imprints. *Materials Chemistry Frontiers*, **2020**, 4, 197-205	7.8	2
149	Bioimprint Mediated Label-Free Isolation of Pancreatic Tumor Cells from a Healthy Peripheral Blood Cell Population. *Advanced Biology*, **2020**, 4, e2000054	3.5	

148	Toxicity of polyelectrolyte-functionalized titania nanoparticles in zebrafish (Danio rerio) embryos. *SN Applied Sciences*, **2020**, 2, 1	1.8	2
147	Dual-functionalised shellac nanocarriers give a super-boost of the antimicrobial action of berberine. *Nanoscale Advances*, **2019**, 1, 858-872	5.1	16
146	Breathing new life into old antibiotics: overcoming antibacterial resistance by antibiotic-loaded nanogel carriers with cationic surface functionality. *Nanoscale*, **2019**, 11, 10472-10485	7.7	28
145	Self-grafting copper oxide nanoparticles show a strong enhancement of their anti-algal and anti-yeast action. *Nanoscale Advances*, **2019**, 1, 2323-2336	5.1	16
144	Bioimprint aided cell recognition and depletion of human leukemic HL60 cells from peripheral blood. *Journal of Materials Chemistry B*, **2019**, 7, 3497-3504	7.3	5
143	Boosting the antimicrobial action of vancomycin formulated in shellac nanoparticles of dual-surface functionality. *Journal of Materials Chemistry B*, **2019**, 7, 3119-3133	7.3	14
142	Hierarchically structured composites and porous materials from soft templates: fabrication and applications. *Journal of Materials Chemistry A*, **2019**, 7, 8030-8049	13	40
141	Strongly Enhanced Antibacterial Action of Copper Oxide Nanoparticles with Boronic Acid Surface Functionality. *ACS Applied Materials & Interfaces*, **2019**, 11, 12232-12243	9.5	40
140	Two-Step Numerical Approach To Predict Ferrofluid Droplet Generation and Manipulation inside Multilaminar Flow Chambers. *Journal of Physical Chemistry C*, **2019**, 123, 10065-10080	3.8	8
139	Controlling the Antimicrobial Action of Surface Modified Magnesium Hydroxide Nanoparticles. *Biomimetics*, **2019**, 4,	3.7	31
138	Fabrication of Human Keratinocyte Cell Clusters for Skin Graft Applications by Templating Water-in-Water Pickering Emulsions. *Biomimetics*, **2019**, 4,	3.7	11
137	"Ghost" Silica Nanoparticles of "Host"-Inherited Antibacterial Action. *ACS Applied Materials & Interfaces*, **2019**, 11, 38519-38530	9.5	13
136	Enhanced Clearing of Wound-Related Pathogenic Bacterial Biofilms Using Protease-Functionalized Antibiotic Nanocarriers. *ACS Applied Materials & Interfaces*, **2019**, 11, 43902-43919	9.5	29
135	Smart soaps: stimulus responsive soap–hydrogel bead composites for controlled dissolution and release of actives. *Materials Chemistry Frontiers*, **2018**, 2, 402-409	7.8	4
134	Hierarchically porous composites fabricated by hydrogel templating and viscous trapping techniques. *Materials and Design*, **2018**, 137, 384-393	8.1	5
133	Capillary Structured Suspensions from In Situ Hydrophobized Calcium Carbonate Particles Suspended in a Polar Liquid Media. *Langmuir*, **2018**, 34, 442-452	4	8
132	Microcapsules as assay compartments formed through layer-by-layer deposition. *Analytical Methods*, **2018**, 10, 5335-5340	3.2	5
131	Amplified antimicrobial action of chlorhexidine encapsulated in PDAC-functionalized acrylate copolymer nanogel carriers. *Materials Chemistry Frontiers*, **2018**, 2, 2032-2044	7.8	19

130	Colloid particle formulations for antimicrobial applications. *Advances in Colloid and Interface Science* , **2017**, 249, 134-148	14.3	53
129	On-chip polyelectrolyte coating onto magnetic droplets - towards continuous flow assembly of drug delivery capsules. *Lab on A Chip*, **2017**, 17, 3785-3795	7.2	29
128	Enhanced antimicrobial effect of berberine in nanogel carriers with cationic surface functionality. *Journal of Materials Chemistry B*, **2017**, 5, 7885-7897	7.3	35
127	An ultra melt-resistant hydrogel from food grade carbohydrates. *RSC Advances*, **2017**, 7, 45535-45544	3.7	10
126	High throughput fabrication of cell spheroids by templating water-in-water Pickering emulsions. *Materials Horizons*, **2017**, 4, 1196-1200	14.4	14
125	Sound transmission loss of hierarchically porous composites produced by hydrogel templating and viscous trapping techniques. *Materials Chemistry Frontiers*, **2017**, 1, 2627-2637	7.8	4
124	Cancer bioimprinting and cell shape recognition for diagnosis and targeted treatment. *Chemical Society Reviews*, **2017**, 46, 5110-5127	58.5	25
123	Thermally Responsive Capillary Suspensions. *ACS Applied Materials & Interfaces*, **2017**, 9, 44152-44160	8.5	12
122	Structuring and calorie control of bakery products by templating batter with ultra melt-resistant food-grade hydrogel beads. *Food and Function*, **2017**, 8, 2967-2973	6.1	3
121	Preparation and attachment of liquid-infused porous supra-particles to liquid interfaces. *Soft Matter*, **2016**, 12, 8375-8387	3.6	5
120	Attachment of composite porous supra-particles to air-water and oil-water interfaces: theory and experiment. *Physical Chemistry Chemical Physics*, **2016**, 18, 26495-26508	3.6	7
119	Synthesis and Characterization of Biodegradable Lignin Nanoparticles with Tunable Surface Properties. *Langmuir*, **2016**, 32, 6468-77	4	166
118	Fabrication of living soft matter by symbiotic growth of unicellular microorganisms. *Journal of Materials Chemistry B*, **2016**, 4, 3685-3694	7.3	23
117	Sound absorption of porous cement composites: effects of the porosity and the pore size. *Journal of Materials Science*, **2015**, 50, 3495-3503	4.3	15
116	An environmentally benign antimicrobial nanoparticle based on a silver-infused lignin core. *Nature Nanotechnology*, **2015**, 10, 817-23	28.7	373
115	Artificial leaf device for hydrogen generation from immobilised C. reinhardtii microalgae. *Journal of Materials Chemistry A*, **2015**, 3, 20698-20707	13	24
114	Nanotoxicity of polyelectrolyte-functionalized titania nanoparticles towards microalgae and yeast: role of the particle concentration, size and surface charge. *RSC Advances*, **2015**, 5, 37044-37059	3.7	30
113	Cell shape recognition by colloidal cell imprints: energy of the cell-imprint interaction. *Physical Review E*, **2015**, 92, 032730	2.4	9

112	Fabrication of salt-hydrogel marbles and hollow-shell microcapsules by an aerosol gelation technique. *Journal of Materials Chemistry B*, **2015**, 3, 82-89	7.3	12
111	Adsorption of shape-anisotropic and porous particles at the air–water and the decane–water interface studied by the gel trapping technique. *RSC Advances*, **2014**, 4, 2205-2213	3.7	29
110	Adsorption of carboxylic modified latex particles at liquid interfaces studied by the gel trapping technique. *Soft Matter*, **2014**, 10, 6433-41	3.6	11
109	Fabrication of viable cyborg cells with cyclodextrin functionality. *Biomaterials Science*, **2014**, 2, 212-219	7.4	13
108	Colloidal and Nanocellulose-Stabilized Emulsions. *Materials and Energy*, **2014**, 185-196		2
107	Self-assembly of cyclodextrin–oil inclusion complexes at the oil–water interface: a route to surfactant-free emulsions. *Journal of Materials Chemistry A*, **2013**, 1, 10836	13	35
106	Shape recognition of microbial cells by colloidal cell imprints. *Nanoscale*, **2013**, 5, 8560-8	7.7	39
105	Dielectrophoretic fabrication of electrically anisotropic hydrogels with bio-functionalised silver nanowires. *Journal of Materials Chemistry B*, **2013**, 1, 5798-5805	7.3	6
104	Cyclodextrin stabilised emulsions and cyclodextrinosomes. *Physical Chemistry Chemical Physics*, **2013**, 15, 17903-14	3.6	83
103	Microfluidic device for the rapid coating of magnetic cells with polyelectrolytes. *Materials Letters*, **2013**, 95, 182-185	3.3	24
102	Fabrication of albumin-micropatterned surfaces by colloidal microcontact printing technique. *RSC Advances*, **2013**, 3, 10420	3.7	3
101	Photothermal colloid antibodies for shape-selective recognition and killing of microorganisms. *Journal of the American Chemical Society*, **2013**, 135, 5282-5	16.4	89
100	Fabrication of novel cyclodextrin-polyallylamine hydrochloride co-polymeric microcapsules by templating oil-in-water emulsions. *Soft Matter*, **2013**, 9, 4780	3.6	16
99	Sound absorption properties of porous composites fabricated by a hydrogel templating technique. *Journal of Materials Research*, **2013**, 28, 2409-2414	2.5	7
98	Nanoporous cyclodextrin-based co-polymeric microspheres for encapsulation of active components. *Journal of Materials Chemistry B*, **2013**, 1, 3588-3598	7.3	6
97	Scaffold free fabrication of linear multicellular assemblies by dielectrophoretic hydrogel trapping technique. *Biomaterials Science*, **2013**, 1, 996-1002	7.4	2
96	Formation and Structure of Calcium Carbonate Thin Films and Nanofibers Precipitated in the Presence of Poly(Allylamine Hydrochloride) and Magnesium Ions. *Chemistry of Materials*, **2013**, 25, 4994-5003	9.6	31
95	Triggered release kinetics of living cells from composite microcapsules. *Physical Chemistry Chemical Physics*, **2013**, 15, 2337-44	3.6	5

94	Triggered Cell Release from Shellac-Cells Composite Microcapsules. *Materials Research Society Symposia Proceedings*, **2013**, 1498, 177-182		
93	Sporopollenin microcapsules for microencapsulation of living cells. *Materials Research Society Symposia Proceedings*, **2013**, 1499, 1		2
92	Nanoantibiotic Particles for Shape and Size Recognition of Pathogens. *Materials Research Society Symposia Proceedings*, **2013**, 1498, 127-132		7
91	Fabrication of novel lightweight composites by a hydrogel templating technique. *Materials Research Bulletin*, **2012**, 47, 980-986	5.1	22
90	Adsorption of sterically stabilized latex particles at liquid surfaces: effects of steric stabilizer surface coverage, particle size, and chain length on particle wettability. *Langmuir*, **2012**, 28, 7291-8	4	34
89	Fabrication of environmentally biodegradable lignin nanoparticles. *ChemPhysChem*, **2012**, 13, 4235-43	3.2	246
88	Triggered cell release from shellac□ell composite microcapsules. *Soft Matter*, **2012**, 8, 5069	3.6	30
87	Cyborg cells: functionalisation of living cells with polymers and nanomaterials. *Chemical Society Reviews*, **2012**, 41, 4189-206	58.5	208
86	Encapsulation of living cells into sporopollenin microcapsules. *Journal of Materials Chemistry*, **2011**, 21, 18018		46
85	Functionalization of whole-cell bacterial reporters with magnetic nanoparticle. *Microbial Biotechnology*, **2011**, 4, 89-97	6.3	69
84	Functional artificial free-standing yeast biofilms. *Colloids and Surfaces B: Biointerfaces*, **2011**, 88, 656-63	6	16
83	Microscreening toxicity system based on living magnetic yeast and gradient chips. *Analytical and Bioanalytical Chemistry*, **2011**, 400, 1009-13	4.4	49
82	Directed assembly of yeast cells into living yeastosomes by microbubble templating. *Soft Matter*, **2010**, 6, 3494	3.6	40
81	Novel anisotropic materials from functionalised colloidal cellulose and cellulose derivatives. *Journal of Materials Chemistry*, **2010**, 20, 10058		62
80	Particle stabilised emulsions studied by WETSEM technique. *Soft Matter*, **2010**, 6, 2613	3.6	8
79	Live celloidosome structures based on the assembly of individual cells by colloid interactions. *Physical Chemistry Chemical Physics*, **2010**, 12, 11912-22	3.6	25
78	A direct technique for preparation of magnetically functionalised living yeast cells. *Soft Matter*, **2010**, 6, 391-397	3.6	79
77	Measuring the three-phase contact angle of nanoparticles at fluid interfaces. *Physical Chemistry Chemical Physics*, **2010**, 12, 328-31	3.6	75

76	Interfacing living unicellular algae cells with biocompatible polyelectrolyte-stabilised magnetic nanoparticles. *Macromolecular Bioscience*, **2010**, 10, 1257-64	5.5	58
75	Rapid and direct magnetization of GFP-reporter yeast for micro-screening systems. *Biosensors and Bioelectronics*, **2010**, 25, 1816-9	11.8	40
74	Strained arrays of colloidal nanoparticles: conductance and magnetoresistance enhancement. *Nanotechnology*, **2009**, 20, 425607	3.4	8
73	Novel multifunctional micro-ampoules for structuring and encapsulation. *ChemPhysChem*, **2009**, 10, 2599-602	3.2	11
72	UV polymerisation of surfactants adsorbed at the nematic liquid crystal-water interface produces an optical response. *ChemPhysChem*, **2009**, 10, 3046-53	3.2	33
71	Fabrication of functional anisotropic food-grade micro-rods with micro-particle inclusions with potential application for enhanced stability of food foams. *Soft Matter*, **2009**, 5, 1019	3.6	55
70	Fabrication of novel anisotropic magnetic microparticles. *Journal of Materials Chemistry*, **2009**, 19, 3475		62
69	Fabrication of living cellosomes of rod-like and rhombohedral morphologies based on magnetically responsive templates. *Chemical Communications*, **2009**, 2511-3	5.8	37
68	Long-term stabilization of foams and emulsions with in-situ formed microparticles from hydrophobic cellulose. *Langmuir*, **2008**, 24, 9245-53	4	160
67	Fabrication of electrically anisotropic agarose gels by dielectrophoretic assembly and encapsulation of silver nanowires. *Journal of Materials Chemistry*, **2008**, 18, 2082		6
66	Scalable fabrication of anisotropic micro-rods from food-grade materials using an in shear flow dispersion/solvent attrition technique. *Journal of Materials Chemistry*, **2008**, 18, 4074		47
65	Fabrication of Novel Magnetic Janus Microparticles. *Materials Research Society Symposia Proceedings*, **2008**, 1135, 20801		
64	Anisotropic nano-papier mache microcapsules. *Soft Matter*, **2007**, 3, 188-190	3.6	37
63	Inkjet printed water sensitive transparent films from natural gum-carbon nanotube composites. *Soft Matter*, **2007**, 3, 840-843	3.6	58
62	Fabrication of magnetically-functionalized lens- and donut-shaped microparticles by a surface-formation technique. *Physical Chemistry Chemical Physics*, **2007**, 9, 6300-3	3.6	11
61	A novel gel deformation technique for fabrication of ellipsoidal and discoidal polymeric microparticles. *Chemical Communications*, **2007**, 628-30	5.8	20
60	Sporopollenin micro-reactors for in-situ preparation, encapsulation and targeted delivery of active components. *Journal of Materials Chemistry*, **2007**, 17, 609		70
59	Emulsions stabilised by food colloid particles: role of particle adsorption and wettability at the liquid interface. *Journal of Colloid and Interface Science*, **2007**, 312, 381-9	9.3	96

58	Remotely powered self-propelling particles and micropumps based on miniature diodes. *Nature Materials*, **2007**, 6, 235-40	27	234
57	Formation of polymer microrods in shear flow by emulsification--solvent attrition mechanism. *Langmuir*, **2006**, 22, 765-74	4	45
56	Adsorption and hybridisation of DNA-surfactants at fluid surfaces and lipid bilayers. *Journal of Materials Chemistry*, **2005**, 15, 394		18
55	Assembling carbon nanotubosomes using an emulsion-inversion technique. *Chemical Communications*, **2005**, 1726-8	5.8	34
54	Fabrication of carbon nanotube-based microcapsules by a colloid templating technique. *Nanotechnology*, **2005**, 16, 1522-1525	3.4	24
53	Fabrication of Novel Types of Colloidosome Microcapsules for Drug Delivery Applications. *Materials Research Society Symposia Proceedings*, **2004**, 845, 140		1
52	Properties and Applications of Novel DNA-Based Surfactants. *Materials Research Society Symposia Proceedings*, **2004**, 845, 270		
51	Supraparticles and Janus Particles Fabricated by Replication of Particle Monolayers at Liquid Surfaces Using a Gel Trapping Technique. *Advanced Materials*, **2004**, 16, 788-791	24	248
50	Scalable Synthesis of a New Class of Polymer Microrods by a Liquid Liquid Dispersion Technique. *Advanced Materials*, **2004**, 16, 1653-1657	24	91
49	Formation of giant colloidosomes by transfer of pendant water drops coated with latex particles through an oil water interface. *Physical Chemistry Chemical Physics*, **2004**, 6, 4223-4225	3.6	20
48	Preparation of aqueous gel beads coated by lipid bilayers. *Chemical Communications*, **2004**, 2378-9	5.8	14
47	Fabrication of novel colloidosome microcapsules with gelled aqueous cores. *Journal of Materials Chemistry*, **2004**, 14, 3351		109
46	Fabrication of microlens arrays by gel trapping of self-assembled particle monolayers at the decane water interface. *Journal of Materials Chemistry*, **2004**, 14, 3300-3302		43
45	A new class of interfacial tension isotherms for nonionic surfactants based on local self-consistent mean field theory: classical isotherms revisited. *Physical Chemistry Chemical Physics*, **2004**, 6, 596	3.6	13
44	Foam superstabilization by polymer microrods. *Langmuir*, **2004**, 20, 10371-4	4	331
43	Contact angles of colloid silica and gold particles at air-water and oil-water interfaces determined with the gel trapping technique. *Langmuir*, **2004**, 20, 9594-9	4	61
42	Fabrication of "hairy" colloidosomes with shells of polymeric microrods. *Journal of the American Chemical Society*, **2004**, 126, 8092-3	16.4	287
41	Bridging interaction between a water drop stabilised by solid particles and a planar oil/water interface. *Chemical Communications*, **2004**, 436-7	5.8	50

40	Novel Method for Determining the Three-Phase Contact Angle of Colloid Particles Adsorbed at Air–Water and Oil–Water Interfaces. *Langmuir*, **2003**, 19, 7970-7976	4	249
39	157-nm laser micromachining of N-BK7 glass and replication for microcontact printing. *Applied Physics A: Materials Science and Processing*, **2003**, 77, 391-394	2.6	86
38	Electrostatic interaction between charged colloid particles entrapped in a thin electrolyte film: confinement effects. *Colloid and Polymer Science*, **2003**, 281, 701-707	2.4	7
37	A novel technique for preparation of monodisperse giant liposomes. *Chemical Communications*, **2003**, 1732-3	5.8	38
36	A General Method for Calculating Bending Moduli and Spontaneous Curvature of Polymer Brushes in Terms of Local Density Functional Theory. *Macromolecules*, **2003**, 36, 5032-5038	5.5	8
35	Fabrication of asymmetrically coated colloid particles by microcontact printing techniques. *Journal of Materials Chemistry*, **2003**, 13, 2445		193
34	Fabrication of dipolar colloid particles by microcontact printing. *Chemical Communications*, **2003**, 2296-7	5.8	119
33	Fabrication of 2D arrays of giant liposomes on solid substrates by microcontact printing. *Physical Chemistry Chemical Physics*, **2003**, 5, 4918	3.6	32
32	Microcontact printing of DNA-surfactant arrays on solid substrates. *Journal of Materials Chemistry*, **2003**, 13, 3044		58
31	Novel surface tension isotherm for surfactants based on local density functional theory. *Physical Review Letters*, **2003**, 91, 086102	7.4	7
30	Adsorption of Charged Colloid Particles to Charged Liquid Surfaces. *Langmuir*, **2002**, 18, 6946-6955	4	88
29	Measurement of long-range repulsive forces between charged particles at an oil-water interface. *Physical Review Letters*, **2002**, 88, 246102	7.4	245
28	Drag Forces on a Stationary Particle in Flowing Two-Dimensional Ordered Particle Monolayers: Simulation and Measurement Using Optical Tweezers. *Langmuir*, **2002**, 18, 9587-9593	4	9
27	A Model for Hydration Interactions between Apoferritin Molecules in Solution. *Journal of Colloid and Interface Science*, **2001**, 240, 640-643	9.3	23
26	Critical Size and Surfactant Coverage of Styrene Miniemulsion Droplets Stabilized by Ionic Surfactants. *Langmuir*, **2001**, 17, 4126-4128	4	16
25	Compression and Structure of Monolayers of Charged Latex Particles at Air/Water and Octane/Water Interfaces. *Langmuir*, **2000**, 16, 1969-1979	4	358
24	A Simple Molecular Model for the Spontaneous Curvature and the Bending Constants of Nonionic Surfactant Monolayers at the Oil/Water Interface. *Langmuir*, **2000**, 16, 8917-8925	4	16
23	Equilibrium and Dynamic Adsorption of C12E5at the Air–Water Surface Investigated Using Ellipsometry and Tensiometry. *Langmuir*, **2000**, 16, 8926-8931	4	22

22	Size-dependent lens angles for small oil lenses on water. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **1999**, 146, 95-111	5.1	49
21	Capillary condensation of vapours between two solid surfaces: effects of line tension and surface forces. *Physical Chemistry Chemical Physics*, **1999**, 1, 155-163	3.6	15
20	Analytical Expression for the Electrostatic Disjoining Pressure Taking into Account the Excluded Volume of the Hydrated Ions between Charged Interfaces in Electrolyte. *Langmuir*, **1999**, 15, 2015-2021	4	29
19	Theoretical considerations of chemical reactions in micro-reactors operating under electroosmotic and electrophoretic control. *Analyst, The*, **1999**, 124, 1273-1282	5	73
18	Stability of evaporating two-layered liquid film in the presence of surfactant□ The equations of lubrication approximation. *Chemical Engineering Science*, **1998**, 53, 2809-2822	4.4	65
17	Stability of evaporating two-layered liquid film in the presence of surfactant□. Linear analysis. *Chemical Engineering Science*, **1998**, 53, 2823-2837	4.4	44
16	Stability of evaporating two-layered liquid film in the presence of surfactant□I. Non-linear stability analysis. *Chemical Engineering Science*, **1998**, 53, 2839-2857	4.4	41
15	On the Analogy between Lateral Capillary Interactions and Electrostatic Interactions in Colloid Systems. *Langmuir*, **1998**, 14, 5088-5097	4	14
14	Motion of the Front between Thick and Thin Film: Hydrodynamic Theory and Experiment with Vertical Foam Films. *Langmuir*, **1997**, 13, 1400-1407	4	19
13	Torsion Balance for Measurement of Capillary Immersion Forces. *Langmuir*, **1996**, 12, 641-651	4	43
12	The Hydration Repulsion between Charged Surfaces as an Interplay of Volume Exclusion and Dielectric Saturation Effects. *Journal of Colloid and Interface Science*, **1996**, 182, 239-248	9.3	76
11	Stresses in lipid membranes and interactions between inclusions. *Journal of the Chemical Society, Faraday Transactions*, **1995**, 91, 3415		47
10	Formation of two-dimensional colloid crystals in liquid films under the action of capillary forces. *Journal of Physics Condensed Matter*, **1994**, 6, A395-A402	1.8	61
9	Capillary Image Forces. *Journal of Colloid and Interface Science*, **1994**, 167, 47-65	9.3	45
8	Capillary Image Forces. *Journal of Colloid and Interface Science*, **1994**, 167, 66-73	9.3	37
7	Direct measurement of lateral capillary forces. *Langmuir*, **1993**, 9, 3702-3709	4	82
6	Energetical and Force Approaches to the Capillary Interactions between Particles Attached to a Liquid-Fluid Interface. *Journal of Colloid and Interface Science*, **1993**, 155, 420-437	9.3	120
5	Lateral Capillary Forces between Floating Submillimeter Particles. *Journal of Colloid and Interface Science*, **1993**, 157, 100-112	9.3	171

4	Contribution of ionic correlations to excess free energy and disjoining pressure of thin liquid films 1. Electric double layer inside the film. *Colloids and Surfaces*, **1992**, 64, 245-264		19
3	Contribution of ionic correlations to excess free energy and disjoining pressure of thin liquid films 2. Electric double layers outside the film. *Colloids and Surfaces*, **1992**, 64, 265-274		4
2	Capillary meniscus interaction between a microparticle and a wall. *Colloids and Surfaces*, **1992**, 67, 119-138		37
1	Capillary meniscus interaction between colloidal particles attached to a liquid–fluid interface. *Journal of Colloid and Interface Science*, **1992**, 151, 79-94	9.3	203