

# Vesselin N Paunov

## List of Publications by Citations

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165  
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85  
g-index

173  
ext. papers

8,743  
ext. citations

6.9  
avg, IF

6.2  
L-index

#	Paper	IF	Citations
165	An environmentally benign antimicrobial nanoparticle based on a silver-infused lignin core. <i>Nature Nanotechnology</i> , <b>2015</b> , 10, 817-23	28.7	373
164	Compression and Structure of Monolayers of Charged Latex Particles at Air/Water and Octane/Water Interfaces. <i>Langmuir</i> , <b>2000</b> , 16, 1969-1979	4	358
163	Foam superstabilization by polymer microrods. <i>Langmuir</i> , <b>2004</b> , 20, 10371-4	4	331
162	Fabrication of "hairy" colloidosomes with shells of polymeric microrods. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 8092-3	16.4	287
161	Novel Method for Determining the Three-Phase Contact Angle of Colloid Particles Adsorbed at Air/Water and Oil/Water Interfaces. <i>Langmuir</i> , <b>2003</b> , 19, 7970-7976	4	249
160	Supraparticles and JanusParticles Fabricated by Replication of Particle Monolayers at Liquid Surfaces Using a Gel Trapping Technique. <i>Advanced Materials</i> , <b>2004</b> , 16, 788-791	24	248
159	Fabrication of environmentally biodegradable lignin nanoparticles. <i>ChemPhysChem</i> , <b>2012</b> , 13, 4235-43	3.2	246
158	Measurement of long-range repulsive forces between charged particles at an oil-water interface. <i>Physical Review Letters</i> , <b>2002</b> , 88, 246102	7.4	245
157	Remotely powered self-propelling particles and micropumps based on miniature diodes. <i>Nature Materials</i> , <b>2007</b> , 6, 235-40	27	234
156	Cyborg cells: functionalisation of living cells with polymers and nanomaterials. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 4189-206	58.5	208
155	Capillary meniscus interaction between colloidal particles attached to a liquidfluid interface. <i>Journal of Colloid and Interface Science</i> , <b>1992</b> , 151, 79-94	9.3	203
154	Fabrication of asymmetrically coated colloid particles by microcontact printing techniques. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 2445		193
153	Lateral Capillary Forces between Floating Submillimeter Particles. <i>Journal of Colloid and Interface Science</i> , <b>1993</b> , 157, 100-112	9.3	171
152	Synthesis and Characterization of Biodegradable Lignin Nanoparticles with Tunable Surface Properties. <i>Langmuir</i> , <b>2016</b> , 32, 6468-77	4	166
151	Long-term stabilization of foams and emulsions with in-situ formed microparticles from hydrophobic cellulose. <i>Langmuir</i> , <b>2008</b> , 24, 9245-53	4	160
150	Energetical and Force Approaches to the Capillary Interactions between Particles Attached to a Liquid-Fluid Interface. <i>Journal of Colloid and Interface Science</i> , <b>1993</b> , 155, 420-437	9.3	120
149	Fabrication of dipolar colloid particles by microcontact printing. <i>Chemical Communications</i> , <b>2003</b> , 2296-75.8		119

148	Fabrication of novel colloidosome microcapsules with gelled aqueous cores. <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 3351	109
147	Emulsions stabilised by food colloid particles: role of particle adsorption and wettability at the liquid interface. <i>Journal of Colloid and Interface Science</i> , <b>2007</b> , 312, 381-9	9.3 96
146	Scalable Synthesis of a New Class of Polymer Microrods by a Liquid-Liquid Dispersion Technique. <i>Advanced Materials</i> , <b>2004</b> , 16, 1653-1657	24 91
145	Photothermal colloid antibodies for shape-selective recognition and killing of microorganisms. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 5282-5	16.4 89
144	Adsorption of Charged Colloid Particles to Charged Liquid Surfaces. <i>Langmuir</i> , <b>2002</b> , 18, 6946-6955	4 88
143	157-nm laser micromachining of N-BK7 glass and replication for microcontact printing. <i>Applied Physics A: Materials Science and Processing</i> , <b>2003</b> , 77, 391-394	2.6 86
142	Cyclodextrin stabilised emulsions and cyclodextrinosomes. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 17903-14	3.6 83
141	Direct measurement of lateral capillary forces. <i>Langmuir</i> , <b>1993</b> , 9, 3702-3709	4 82
140	A direct technique for preparation of magnetically functionalised living yeast cells. <i>Soft Matter</i> , <b>2010</b> , 6, 391-397	3.6 79
139	The Hydration Repulsion between Charged Surfaces as an Interplay of Volume Exclusion and Dielectric Saturation Effects. <i>Journal of Colloid and Interface Science</i> , <b>1996</b> , 182, 239-248	9.3 76
138	Measuring the three-phase contact angle of nanoparticles at fluid interfaces. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 328-31	3.6 75
137	Theoretical considerations of chemical reactions in micro-reactors operating under electroosmotic and electrophoretic control. <i>Analyst, The</i> , <b>1999</b> , 124, 1273-1282	5 73
136	Sporopollenin micro-reactors for in-situ preparation, encapsulation and targeted delivery of active components. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 609	70
135	Functionalization of whole-cell bacterial reporters with magnetic nanoparticle. <i>Microbial Biotechnology</i> , <b>2011</b> , 4, 89-97	6.3 69
134	Stability of evaporating two-layered liquid film in the presence of surfactant - The equations of lubrication approximation. <i>Chemical Engineering Science</i> , <b>1998</b> , 53, 2809-2822	4.4 65
133	Novel anisotropic materials from functionalised colloidal cellulose and cellulose derivatives. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 10058	62
132	Fabrication of novel anisotropic magnetic microparticles. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 3475	62
131	Contact angles of colloid silica and gold particles at air-water and oil-water interfaces determined with the gel trapping technique. <i>Langmuir</i> , <b>2004</b> , 20, 9594-9	4 61

130	Formation of two-dimensional colloid crystals in liquid films under the action of capillary forces. <i>Journal of Physics Condensed Matter</i> , <b>1994</b> , 6, A395-A402	1.8	61
129	Interfacing living unicellular algae cells with biocompatible polyelectrolyte-stabilised magnetic nanoparticles. <i>Macromolecular Bioscience</i> , <b>2010</b> , 10, 1257-64	5.5	58
128	Inkjet printed water sensitive transparent films from natural gum-carbon nanotube composites. <i>Soft Matter</i> , <b>2007</b> , 3, 840-843	3.6	58
127	Microcontact printing of DNA-surfactant arrays on solid substrates. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 3044		58
126	Fabrication of functional anisotropic food-grade micro-rods with micro-particle inclusions with potential application for enhanced stability of food foams. <i>Soft Matter</i> , <b>2009</b> , 5, 1019	3.6	55
125	Colloid particle formulations for antimicrobial applications. <i>Advances in Colloid and Interface Science</i> , <b>2017</b> , 249, 134-148	14.3	53
124	Bridging interaction between a water drop stabilised by solid particles and a planar oil/water interface. <i>Chemical Communications</i> , <b>2004</b> , 436-7	5.8	50
123	Microscreening toxicity system based on living magnetic yeast and gradient chips. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 400, 1009-13	4.4	49
122	Size-dependent lens angles for small oil lenses on water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>1999</b> , 146, 95-111	5.1	49
121	Scalable fabrication of anisotropic micro-rods from food-grade materials using an in shear flow dispersion solvent attrition technique. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 4074		47
120	Stresses in lipid membranes and interactions between inclusions. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1995</b> , 91, 3415		47
119	Encapsulation of living cells into sporopollenin microcapsules. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 18018		46
118	Formation of polymer microrods in shear flow by emulsification-solvent attrition mechanism. <i>Langmuir</i> , <b>2006</b> , 22, 765-74	4	45
117	Capillary Image Forces. <i>Journal of Colloid and Interface Science</i> , <b>1994</b> , 167, 47-65	9.3	45
116	Stability of evaporating two-layered liquid film in the presence of surfactant. Linear analysis. <i>Chemical Engineering Science</i> , <b>1998</b> , 53, 2823-2837	4.4	44
115	Fabrication of microlens arrays by gel trapping of self-assembled particle monolayers at the decane-water interface. <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 3300-3302		43
114	Torsion Balance for Measurement of Capillary Immersion Forces. <i>Langmuir</i> , <b>1996</b> , 12, 641-651	4	43
113	Stability of evaporating two-layered liquid film in the presence of surfactant. Non-linear stability analysis. <i>Chemical Engineering Science</i> , <b>1998</b> , 53, 2839-2857	4.4	41

112	Hierarchically structured composites and porous materials from soft templates: fabrication and applications. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 8030-8049	13	40
111	Strongly Enhanced Antibacterial Action of Copper Oxide Nanoparticles with Boronic Acid Surface Functionality. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 12232-12243	9.5	40
110	Directed assembly of yeast cells into living yeastosomes by microbubble templating. <i>Soft Matter</i> , <b>2010</b> , 6, 3494	3.6	40
109	Rapid and direct magnetization of GFP-reporter yeast for micro-screening systems. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 25, 1816-9	11.8	40
108	Shape recognition of microbial cells by colloidal cell imprints. <i>Nanoscale</i> , <b>2013</b> , 5, 8560-8	7.7	39
107	A novel technique for preparation of monodisperse giant liposomes. <i>Chemical Communications</i> , <b>2003</b> , 1732-3	5.8	38
106	Fabrication of living cellosomes of rod-like and rhombohedral morphologies based on magnetically responsive templates. <i>Chemical Communications</i> , <b>2009</b> , 2511-3	5.8	37
105	Anisotropic nano-papier mache microcapsules. <i>Soft Matter</i> , <b>2007</b> , 3, 188-190	3.6	37
104	Capillary Image Forces. <i>Journal of Colloid and Interface Science</i> , <b>1994</b> , 167, 66-73	9.3	37
103	Capillary meniscus interaction between a microparticle and a wall. <i>Colloids and Surfaces</i> , <b>1992</b> , 67, 119-138		37
102	Enhanced antimicrobial effect of berberine in nanogel carriers with cationic surface functionality. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 7885-7897	7.3	35
101	Self-assembly of cyclodextrin@inclusion complexes at the oil/water interface: a route to surfactant-free emulsions. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 10836	13	35
100	Adsorption of sterically stabilized latex particles at liquid surfaces: effects of steric stabilizer surface coverage, particle size, and chain length on particle wettability. <i>Langmuir</i> , <b>2012</b> , 28, 7291-8	4	34
99	Assembling carbon nanotubosomes using an emulsion-inversion technique. <i>Chemical Communications</i> , <b>2005</b> , 1726-8	5.8	34
98	UV polymerisation of surfactants adsorbed at the nematic liquid crystal-water interface produces an optical response. <i>ChemPhysChem</i> , <b>2009</b> , 10, 3046-53	3.2	33
97	Fabrication of 2D arrays of giant liposomes on solid substrates by microcontact printing. <i>Physical Chemistry Chemical Physics</i> , <b>2003</b> , 5, 4918	3.6	32
96	Controlling the Antimicrobial Action of Surface Modified Magnesium Hydroxide Nanoparticles. <i>Biomimetics</i> , <b>2019</b> , 4,	3.7	31
95	Formation and Structure of Calcium Carbonate Thin Films and Nanofibers Precipitated in the Presence of Poly(Allylamine Hydrochloride) and Magnesium Ions. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 4994-5003	9.6	31

94	Nanotoxicity of polyelectrolyte-functionalized titania nanoparticles towards microalgae and yeast: role of the particle concentration, size and surface charge. <i>RSC Advances</i> , <b>2015</b> , 5, 37044-37059	3.7	30
93	Triggered cell release from shellac&ell composite microcapsules. <i>Soft Matter</i> , <b>2012</b> , 8, 5069	3.6	30
92	On-chip polyelectrolyte coating onto magnetic droplets - towards continuous flow assembly of drug delivery capsules. <i>Lab on A Chip</i> , <b>2017</b> , 17, 3785-3795	7.2	29
91	Adsorption of shape-anisotropic and porous particles at the air/water and the decane/water interface studied by the gel trapping technique. <i>RSC Advances</i> , <b>2014</b> , 4, 2205-2213	3.7	29
90	Analytical Expression for the Electrostatic Disjoining Pressure Taking into Account the Excluded Volume of the Hydrated Ions between Charged Interfaces in Electrolyte. <i>Langmuir</i> , <b>1999</b> , 15, 2015-2021 <sup>4</sup>		29
89	Enhanced Clearing of Wound-Related Pathogenic Bacterial Biofilms Using Protease-Functionalized Antibiotic Nanocarriers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 43902-43919	9.5	29
88	Breathing new life into old antibiotics: overcoming antibacterial resistance by antibiotic-loaded nanogel carriers with cationic surface functionality. <i>Nanoscale</i> , <b>2019</b> , 11, 10472-10485	7.7	28
87	Surface-Modified Zinc Oxide Nanoparticles for Antialgal and Antiyeast Applications. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 440-451	5.6	27
86	Cancer bioimprinting and cell shape recognition for diagnosis and targeted treatment. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 5110-5127	58.5	25
85	Live celloidosome structures based on the assembly of individual cells by colloid interactions. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 11912-22	3.6	25
84	Artificial leaf device for hydrogen generation from immobilised C. reinhardtii microalgae. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 20698-20707	13	24
83	Microfluidic device for the rapid coating of magnetic cells with polyelectrolytes. <i>Materials Letters</i> , <b>2013</b> , 95, 182-185	3.3	24
82	Fabrication of carbon nanotube-based microcapsules by a colloid templating technique. <i>Nanotechnology</i> , <b>2005</b> , 16, 1522-1525	3.4	24
81	Fabrication of living soft matter by symbiotic growth of unicellular microorganisms. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 3685-3694	7.3	23
80	A Model for Hydration Interactions between Apoferritin Molecules in Solution. <i>Journal of Colloid and Interface Science</i> , <b>2001</b> , 240, 640-643	9.3	23
79	Fabrication of novel lightweight composites by a hydrogel templating technique. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 980-986	5.1	22
78	Equilibrium and Dynamic Adsorption of C12E5at the Air/Water Surface Investigated Using Ellipsometry and Tensiometry. <i>Langmuir</i> , <b>2000</b> , 16, 8926-8931	4	22
77	A novel gel deformation technique for fabrication of ellipsoidal and discoidal polymeric microparticles. <i>Chemical Communications</i> , <b>2007</b> , 628-30	5.8	20

76	Formation of giant colloidosomes by transfer of pendant water drops coated with latex particles through an oil/water interface. <i>Physical Chemistry Chemical Physics</i> , <b>2004</b> , 6, 4223-4225	3.6	20
75	Motion of the Front between Thick and Thin Film: Hydrodynamic Theory and Experiment with Vertical Foam Films. <i>Langmuir</i> , <b>1997</b> , 13, 1400-1407	4	19
74	Contribution of ionic correlations to excess free energy and disjoining pressure of thin liquid films 1. Electric double layer inside the film. <i>Colloids and Surfaces</i> , <b>1992</b> , 64, 245-264		19
73	Amplified antimicrobial action of chlorhexidine encapsulated in PDAC-functionalized acrylate copolymer nanogel carriers. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 2032-2044	7.8	19
72	Adsorption and hybridisation of DNA-surfactants at fluid surfaces and lipid bilayers. <i>Journal of Materials Chemistry</i> , <b>2005</b> , 15, 394		18
71	Dual-functionalised shellac nanocarriers give a super-boost of the antimicrobial action of berberine. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 858-872	5.1	16
70	Self-grafting copper oxide nanoparticles show a strong enhancement of their anti-algal and anti-yeast action. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 2323-2336	5.1	16
69	Fabrication of novel cyclodextrin-polyallylamine hydrochloride co-polymeric microcapsules by templating oil-in-water emulsions. <i>Soft Matter</i> , <b>2013</b> , 9, 4780	3.6	16
68	Functional artificial free-standing yeast biofilms. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 88, 656-63	6	16
67	A Simple Molecular Model for the Spontaneous Curvature and the Bending Constants of Nonionic Surfactant Monolayers at the Oil/Water Interface <i>Langmuir</i> , <b>2000</b> , 16, 8917-8925	4	16
66	Critical Size and Surfactant Coverage of Styrene Miniemulsion Droplets Stabilized by Ionic Surfactants. <i>Langmuir</i> , <b>2001</b> , 17, 4126-4128	4	16
65	Sound absorption of porous cement composites: effects of the porosity and the pore size. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 3495-3503	4.3	15
64	Capillary condensation of vapours between two solid surfaces: effects of line tension and surface forces. <i>Physical Chemistry Chemical Physics</i> , <b>1999</b> , 1, 155-163	3.6	15
63	High throughput fabrication of cell spheroids by templating water-in-water Pickering emulsions. <i>Materials Horizons</i> , <b>2017</b> , 4, 1196-1200	14.4	14
62	Boosting the antimicrobial action of vancomycin formulated in shellac nanoparticles of dual-surface functionality. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 3119-3133	7.3	14
61	Preparation of aqueous gel beads coated by lipid bilayers. <i>Chemical Communications</i> , <b>2004</b> , 2378-9	5.8	14
60	On the Analogy between Lateral Capillary Interactions and Electrostatic Interactions in Colloid Systems. <i>Langmuir</i> , <b>1998</b> , 14, 5088-5097	4	14
59	Silver Nanoparticles in Zebrafish Embryos: Uptake, Growth and Molecular Responses. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	13

58	"Ghost" Silica Nanoparticles of "Host"-Inherited Antibacterial Action. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 38519-38530	9.5	13
57	Fabrication of viable cyborg cells with cyclodextrin functionality. <i>Biomaterials Science</i> , <b>2014</b> , 2, 212-219	7.4	13
56	A new class of interfacial tension isotherms for nonionic surfactants based on local self-consistent mean field theory: classical isotherms revisited. <i>Physical Chemistry Chemical Physics</i> , <b>2004</b> , 6, 596	3.6	13
55	Fabrication of salt-hydrogel marbles and hollow-shell microcapsules by an aerosol gelation technique. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 82-89	7.3	12
54	Thermally Responsive Capillary Suspensions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 44152-44160	6.5	12
53	Advanced biomedical applications based on emerging 3D cell culturing platforms. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 10487-10501	7.3	11
52	Fabrication of Human Keratinocyte Cell Clusters for Skin Graft Applications by Templating Water-in-Water Pickering Emulsions. <i>Biomimetics</i> , <b>2019</b> , 4,	3.7	11
51	Adsorption of carboxylic modified latex particles at liquid interfaces studied by the gel trapping technique. <i>Soft Matter</i> , <b>2014</b> , 10, 6433-41	3.6	11
50	Novel multifunctional micro-ampoules for structuring and encapsulation. <i>ChemPhysChem</i> , <b>2009</b> , 10, 2599-602	5.5	11
49	Fabrication of magnetically-functionalized lens- and donut-shaped microparticles by a surface-formation technique. <i>Physical Chemistry Chemical Physics</i> , <b>2007</b> , 9, 6300-3	3.6	11
48	Smart active antibiotic nanocarriers with protease surface functionality can overcome biofilms of resistant bacteria. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 961-972	7.8	11
47	An ultra melt-resistant hydrogel from food grade carbohydrates. <i>RSC Advances</i> , <b>2017</b> , 7, 45535-45544	3.7	10
46	Scalable Formation of Concentrated Monodisperse Lignin Nanoparticles by Recirculation-Enhanced Flash Nanoprecipitation. <i>Particle and Particle Systems Characterization</i> , <b>2020</b> , 37, 2000122	3.1	9
45	Cell shape recognition by colloidal cell imprints: energy of the cell-imprint interaction. <i>Physical Review E</i> , <b>2015</b> , 92, 032730	2.4	9
44	Drag Forces on a Stationary Particle in Flowing Two-Dimensional Ordered Particle Monolayers: Simulation and Measurement Using Optical Tweezers. <i>Langmuir</i> , <b>2002</b> , 18, 9587-9593	4	9
43	Two-Step Numerical Approach To Predict Ferrofluid Droplet Generation and Manipulation inside Multilaminar Flow Chambers. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 10065-10080	3.8	8
42	Particle stabilised emulsions studied by WETSEM technique. <i>Soft Matter</i> , <b>2010</b> , 6, 2613	3.6	8
41	Strained arrays of colloidal nanoparticles: conductance and magnetoresistance enhancement. <i>Nanotechnology</i> , <b>2009</b> , 20, 425607	3.4	8

40	A General Method for Calculating Bending Moduli and Spontaneous Curvature of Polymer Brushes in Terms of Local Density Functional Theory. <i>Macromolecules</i> , <b>2003</b> , 36, 5032-5038	5.5	8
39	Capillary Structured Suspensions from In Situ Hydrophobized Calcium Carbonate Particles Suspended in a Polar Liquid Media. <i>Langmuir</i> , <b>2018</b> , 34, 442-452	4	8
38	Attachment of composite porous supra-particles to air-water and oil-water interfaces: theory and experiment. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 26495-26508	3.6	7
37	Sound absorption properties of porous composites fabricated by a hydrogel templating technique. <i>Journal of Materials Research</i> , <b>2013</b> , 28, 2409-2414	2.5	7
36	Nanoantibiotic Particles for Shape and Size Recognition of Pathogens. <i>Materials Research Society Symposia Proceedings</i> , <b>2013</b> , 1498, 127-132		7
35	Electrostatic interaction between charged colloid particles entrapped in a thin electrolyte film: confinement effects. <i>Colloid and Polymer Science</i> , <b>2003</b> , 281, 701-707	2.4	7
34	Novel surface tension isotherm for surfactants based on local density functional theory. <i>Physical Review Letters</i> , <b>2003</b> , 91, 086102	7.4	7
33	Advanced Alcalase-Coated Clindamycin-Loaded Carbopol Nanogels for Removal of Persistent Bacterial Biofilms. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 1187-1201	5.6	7
32	Dielectrophoretic fabrication of electrically anisotropic hydrogels with bio-functionalised silver nanowires. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 5798-5805	7.3	6
31	Nanoporous cyclodextrin-based co-polymeric microspheres for encapsulation of active components. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 3588-3598	7.3	6
30	Fabrication of electrically anisotropic agarose gels by dielectrophoretic assembly and encapsulation of silver nanowires. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 2082		6
29	Biofilm-Infected Human Clusteroid Three-Dimensional Coculture Platform to Replace Animal Models in Testing Antimicrobial Nanotechnologies. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 22182-22194	9.5	6
28	Superenhanced Removal of Fungal Biofilms by Protease-Functionalized Amphotericin B Nanocarriers. <i>Advanced NanoBiomed Research</i> , <b>2021</b> , 1, 2000027	0	6
27	Bioimprint aided cell recognition and depletion of human leukemic HL60 cells from peripheral blood. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 3497-3504	7.3	5
26	Hierarchically porous composites fabricated by hydrogel templating and viscous trapping techniques. <i>Materials and Design</i> , <b>2018</b> , 137, 384-393	8.1	5
25	Preparation and attachment of liquid-infused porous supra-particles to liquid interfaces. <i>Soft Matter</i> , <b>2016</b> , 12, 8375-8387	3.6	5
24	Triggered release kinetics of living cells from composite microcapsules. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 2337-44	3.6	5
23	Microcapsules as assay compartments formed through layer-by-layer deposition. <i>Analytical Methods</i> , <b>2018</b> , 10, 5335-5340	3.2	5

22	Smart soaps: stimulus responsive soapHydrogel bead composites for controlled dissolution and release of actives. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 402-409	7.8	4
21	Sound transmission loss of hierarchically porous composites produced by hydrogel templating and viscous trapping techniques. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 2627-2637	7.8	4
20	Contribution of ionic correlations to excess free energy and disjoining pressure of thin liquid films 2. Electric double layers outside the film. <i>Colloids and Surfaces</i> , <b>1992</b> , 64, 265-274		4
19	High-throughput fabrication of hepatic cell clusteroids with enhanced growth and functionality for tissue engineering applications. <i>Materials Advances</i> , <b>2020</b> , 1, 3022-3032	3.3	4
18	Fabrication of albumin-micropatterned surfaces by colloidal microcontact printing technique. <i>RSC Advances</i> , <b>2013</b> , 3, 10420	3.7	3
17	Structuring and calorie control of bakery products by templating batter with ultra melt-resistant food-grade hydrogel beads. <i>Food and Function</i> , <b>2017</b> , 8, 2967-2973	6.1	3
16	Colloidal and Nanocellulose-Stabilized Emulsions. <i>Materials and Energy</i> , <b>2014</b> , 185-196		2
15	Scaffold free fabrication of linear multicellular assemblies by dielectrophoretic hydrogel trapping technique. <i>Biomaterials Science</i> , <b>2013</b> , 1, 996-1002	7.4	2
14	Sporopollenin microcapsules for microencapsulation of living cells. <i>Materials Research Society Symposia Proceedings</i> , <b>2013</b> , 1499, 1		2
13	Targeted removal of blood cancer cells from mixed cell populations by cell recognition with matching particle imprints. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 197-205	7.8	2
12	Toxicity of polyelectrolyte-functionalized titania nanoparticles in zebrafish ( <i>Danio rerio</i> ) embryos. <i>SN Applied Sciences</i> , <b>2020</b> , 2, 1	1.8	2
11	Sustained In Vitro and In Vivo Delivery of Metformin from Plant Pollen-Derived Composite Microcapsules. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	2
10	Enhanced Antimould Action of Surface Modified Copper Oxide Nanoparticles with Phenylboronic Acid Surface Functionality. <i>Biomimetics</i> , <b>2021</b> , 6,	3.7	2
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8	Removal of Human Leukemic Cells from Peripheral Blood Mononuclear Cells by Cell Recognition Chromatography with Size Matched Particle Imprints.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 789-800	4.1	1
7	Fabrication of Novel Types of Colloidosome Microcapsules for Drug Delivery Applications. <i>Materials Research Society Symposia Proceedings</i> , <b>2004</b> , 845, 140		1
6	Enhanced clearing of biofilms on a 3D urothelial cell model using lysozyme-functionalized fluconazole-loaded shellac nanoparticles. <i>Biomaterials Science</i> , <b>2021</b> , 9, 6927-6939	7.4	1
5	Antibody-free bioimprint aided sandwich ELISA technique for cell recognition and rapid screening for bacteria. <i>Nano Select</i> , <b>2020</b> , 1, 673-688	3.1	

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- 3 Fabrication of Novel Magnetic Janus Microparticles. *Materials Research Society Sympoia Proceedings*, **2008**, 1135, 20801
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- 1 Bioimprint Mediated Label-Free Isolation of Pancreatic Tumor Cells from a Healthy Peripheral Blood Cell Population. *Advanced Biology*, **2020**, 4, e2000054 3.5