

Edward Bormashenko

List of Publications by Year in descending order

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298
papers

9,714
citations

41627

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h-index

56606

87
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343
all docs

343
docs citations

343
times ranked

7932
citing authors

#	ARTICLE	IF	CITATIONS
1	Three scenarios of freezing of liquid marbles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 636, 128125.	2.3	5
2	Rotating Minimal Thermodynamic Systems. Entropy, 2022, 24, 168.	1.1	0
3	Shannon (Information) Measures of Symmetry for 1D and 2D Shapes and Patterns. Applied Sciences (Switzerland), 2022, 12, 1127.	1.3	3
4	On the universality of shapes of the freezing water droplets. Colloids and Interface Science Communications, 2022, 47, 100590.	2.0	16
5	Magnetic Entropic Forces Emerging in the System of Elementary Magnets Exposed to the Magnetic Field. Entropy, 2022, 24, 299.	1.1	1
6	Thermophoretic levitation of solid particles at atmospheric pressure. Advanced Powder Technology, 2022, 33, 103497.	2.0	4
7	Effect of asymmetric cooling of sessile droplets on orientation of the freezing tip. Journal of Colloid and Interface Science, 2022, 620, 179-186.	5.0	14
8	Branched droplet clusters and the Kramers theorem. Physical Review E, 2022, 105, .	0.8	0
9	A hierarchical levitating cluster containing transforming small aggregates of water droplets. Microfluidics and Nanofluidics, 2022, 26, .	1.0	2
10	From Chaos to Ordering: New Studies in the Shannon Entropy of 2D Patterns. Entropy, 2022, 24, 802.	1.1	2
11	Levitating clusters of fluorinated fumed silica nanoparticles enable manufacture of liquid marbles: Co-occurrence of interfacial, thermal and electrostatic events. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 649, 129453.	2.3	2
12	Hierarchical liquid marbles formed using floating hydrophobic powder and levitating water droplets. Journal of Colloid and Interface Science, 2022, 626, 466-474.	5.0	2
13	Quantification of ordering in active light driven colloids. Journal of Colloid and Interface Science, 2021, 586, 866-875.	5.0	10
14	Interfacial Crystallization within Janus Saline Marbles. Journal of Physical Chemistry C, 2021, 125, 1414-1420.	1.5	6
15	Survival of Virus Particles in Water Droplets: Hydrophobic Forces and Landauer's Principle. Entropy, 2021, 23, 181.	1.1	13
16	Topology of eeg wave fronts. Cognitive Neurodynamics, 2021, 15, 887-896.	2.3	0
17	Bioinspired oxygen selective membrane for Zn-air batteries. Journal of Materials Science, 2021, 56, 9382-9394.	1.7	8
18	Nervous Activity of the Brain in Five Dimensions. Biophysica, 2021, 1, 38-47.	0.6	1

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19	Robust icephobic coating based on the spiky fluorinated Al ₂ O ₃ particles. <i>Scientific Reports</i> , 2021, 11, 5394.	1.6	17
20	Oscillatory Reversible Osmotic Growth of Sessile Saline Droplets on a Floating Polydimethylsiloxane Membrane. <i>Fluids</i> , 2021, 6, 232.	0.8	2
21	Osmotic evolution of composite liquid marbles. <i>Journal of Colloid and Interface Science</i> , 2021, 592, 167-173.	5.0	5
22	Manufacturing, Properties, and Application of Nanosized Superhydrophobic Spherical Silicon Dioxide Particles as a Functional Additive to Fire Extinguishing Powders. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 11905-11914.	1.8	9
23	Cold plasma hydrophilization of soy protein isolate and milk protein concentrate enables manufacturing of surfactant-free water suspensions. Part I: Hydrophilization of food powders using cold plasma. <i>Innovative Food Science and Emerging Technologies</i> , 2021, 72, 102759.	2.7	21
24	Voronoi Entropy vs. Continuous Measure of Symmetry of the Penrose Tiling: Part I. Analysis of the Voronoi Diagrams. <i>Symmetry</i> , 2021, 13, 1659.	1.1	8
25	Interfacial crystallization at the intersection of thermodynamic and geometry. <i>Advances in Colloid and Interface Science</i> , 2021, 296, 102510.	7.0	6
26	Vertical oscillations of droplets in small droplet clusters. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 628, 127271.	2.3	3
27	Continuous Symmetry Measure vs Voronoi Entropy of Droplet Clusters. <i>Journal of Physical Chemistry C</i> , 2021, 125, 2431-2436.	1.5	18
28	Directional Droplet Transport Mediated by Circular Groove Arrays. Part II: Theory of Effect. <i>Langmuir</i> , 2021, 37, 1948-1953.	1.6	18
29	Investigation of the Impact of Cold Plasma Treatment on the Chemical Composition and Wettability of Medical Grade Polyvinylchloride. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 300.	1.3	6
30	Informational Measure of Symmetry vs. Voronoi Entropy and Continuous Measure of Entropy of the Penrose Tiling. Part II of the "Voronoi Entropy vs. Continuous Measure of Symmetry of the Penrose Tiling". <i>Symmetry</i> , 2021, 13, 2146.	1.1	5
31	Thermal conditions for the formation of self-assembled cluster of droplets over the water surface. <i>Journal of Physics: Conference Series</i> , 2021, 2116, 012038.	0.3	1
32	Variational framework for defining contact angles: a general thermodynamic approach. <i>Journal of Adhesion Science and Technology</i> , 2020, 34, 219-230.	1.4	12
33	Entropy, Information, and Symmetry: Ordered is Symmetrical. <i>Entropy</i> , 2020, 22, 11.	1.1	10
34	Faceted and Circular Droplet Spreading on Hierarchical Superhydrophobic Surfaces. <i>Langmuir</i> , 2020, 36, 534-539.	1.6	19
35	Modeling Evaporation of Water Droplets as Applied to Survival of Airborne Viruses. <i>Atmosphere</i> , 2020, 11, 965.	1.0	26
36	Interfacial Crystallization within Liquid Marbles. <i>Condensed Matter</i> , 2020, 5, 62.	0.8	9

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37	Directional Droplet Transport Mediated by Circular Groove Arrays. Part I: Experimental Findings. <i>Langmuir</i> , 2020, 36, 9608-9615.	1.6	30
38	Stable cluster of identical water droplets formed under the infrared irradiation: Experimental study and theoretical modeling. <i>International Journal of Heat and Mass Transfer</i> , 2020, 161, 120255.	2.5	22
39	Study of wetting of the animal retinas by Water and organic liquids and its Implications for ophthalmology. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 195, 111265.	2.5	5
40	Soft lithography with liquid marbles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 607, 125488.	2.3	2
41	Spiral Thermal Waves Generated by Self-Propelled Camphor Boats. <i>Condensed Matter</i> , 2020, 5, 51.	0.8	2
42	Breath Figures. , 2020, , .		9
43	Impact of Surfactants on the Formation and Properties of Droplet Clusters. <i>Langmuir</i> , 2020, 36, 11154-11160.	1.6	9
44	Negative Effective Mass in Plasmonic Systems II: Elucidating the Optical and Acoustical Branches of Vibrations and the Possibility of Anti-Resonance Propagation. <i>Materials</i> , 2020, 13, 3512.	1.3	7
45	What Is Temperature? Modern Outlook on the Concept of Temperature. <i>Entropy</i> , 2020, 22, 1366.	1.1	4
46	Symmetry of small clusters of levitating water droplets. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 12239-12244.	1.3	9
47	Composite Liquid Marbles as a Macroscopic Model System Representing Shedding of Enveloped Viruses. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4279-4285.	2.1	13
48	Effects of Atmospheric Plasma Corona Discharges on Soil Bacteria Viability. <i>Microorganisms</i> , 2020, 8, 704.	1.6	9
49	Magnetic field induced motion of water droplets and bubbles on the lubricant coated surface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 597, 124773.	2.3	12
50	Effect of external electric field on dynamics of levitating water droplets. <i>International Journal of Thermal Sciences</i> , 2020, 153, 106375.	2.6	25
51	Entropy, Information, and Symmetry; Ordered Is Symmetrical, II: System of Spins in the Magnetic Field. <i>Entropy</i> , 2020, 22, 235.	1.1	7
52	Informational Reinterpretation of the Mechanics Notions and Laws. <i>Entropy</i> , 2020, 22, 631.	1.1	4
53	Effect of thermal properties of a substrate on formation of self-arranged surface structures on evaporated polymer films. <i>International Journal of Heat and Mass Transfer</i> , 2020, 158, 120053.	2.5	8
54	Cherenkov-Like Surface Thermal Waves Emerging from Self-Propulsion of a Liquid Marble. <i>Journal of Physical Chemistry B</i> , 2020, 124, 695-699.	1.2	6

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55	Clustering and self-organization in small-scale natural and artificial systems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190443.	1.6	13
56	Liquid Marble-Induced Dewetting. Journal of Physical Chemistry C, 2020, 124, 9345-9349.	1.5	8
57	Negative Effective Mass in Plasmonic Systems. Materials, 2020, 13, 1890.	1.3	8
58	Manufacture and properties of composite liquid marbles. Journal of Colloid and Interface Science, 2020, 575, 35-41.	5.0	30
59	Introducing Chemical Functionalities to Microporous Surfaces: Strategies. , 2020, , 149-168.		3
60	Applications of the Porous Structures Obtained with the Breath-Figures Self-Assembly. , 2020, , 207-228.		0
61	Methodologies Involved in Manufacturing Self-Assembled Breath-Figures Patterns: Drop-Casting and Spin- and Dip-Coating “ Characterization of Microporous Surfaces. , 2020, , 111-148.		1
62	Introduction to Micropatterned Surfaces. , 2020, , 1-11.		0
63	From Planar Surfaces to 3D Porous Interfaces. , 2020, , 189-206.		0
64	Breath-Figures Formation: Physical Aspects. , 2020, , 13-49.		1
65	Polymers Employed and Role of the Molecular Characteristics on the BFs Formation. , 2020, , 51-110.		0
66	Pre-germination plasma treatment of seeds does not alter cotyledon DNA structure, nor phenotype and phenology of tomato and pepper plants. Biochemical and Biophysical Research Communications, 2019, 519, 512-517.	1.0	15
67	Self-Arranged Levitating Droplet Clusters: A Reversible Transition from Hexagonal to Chain Structure. Langmuir, 2019, 35, 15330-15334.	1.6	13
68	The Landauer Principle: Re-Formulation of the Second Thermodynamics Law or a Step to Great Unification?. Entropy, 2019, 21, 918.	1.1	19
69	Mini-Generator of Electrical Power Exploiting the Marangoni Flow Inspired Self-Propulsion. ACS Omega, 2019, 4, 15265-15268.	1.6	25
70	Oscillatory Motion of a Droplet Cluster. Journal of Physical Chemistry C, 2019, 123, 23572-23576.	1.5	13
71	Formation of Hierarchical Porous Films with Breath-Figures Self-Assembly Performed on Oil-Lubricated Substrates. Materials, 2019, 12, 3051.	1.3	8
72	Motion of the liquid on the surface of Leidenfrost droplets and the hairy ball theorem. Surface Innovations, 2019, 7, 101-103.	1.4	9

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73	Symmetry and Shannon Measure of Ordering: Paradoxes of Voronoi Tessellation. <i>Entropy</i> , 2019, 21, 452.	1.1	8
74	Droplet clusters: nature-inspired biological reactors and aerosols. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20190121.	1.6	25
75	Moses effect: physics and applications. <i>Advances in Colloid and Interface Science</i> , 2019, 269, 1-6.	7.0	34
76	The Moses effect enables remote control of self-propulsion of a diamagnetic rotator. <i>Surface Innovations</i> , 2019, 7, 244-248.	1.4	2
77	Is the Voronoi Entropy a True Entropy? Comments on "Entropy, Shannon's Measure of Information and Boltzmann's H-Theorem"; <i>Entropy</i> 2017, 19, 48. <i>Entropy</i> , 2019, 21, 251.	1.1	7
78	Study of the displacement of floating diamagnetic bodies by a magnetic field. <i>Surface Innovations</i> , 2019, 7, 194-202.	1.4	14
79	Biofilm grown on wood waste pretreated with cold low-pressure nitrogen plasma: Utilization for toluene remediation. <i>International Biodeterioration and Biodegradation</i> , 2019, 139, 62-69.	1.9	29
80	Physics of pre-wetted, lubricated and impregnated surfaces: a review. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20180264.	1.6	8
81	Generalization of the Landauer Principle for Computing Devices Based on Many-Valued Logic. <i>Entropy</i> , 2019, 21, 1150.	1.1	8
82	Apparent contact angles for reactive wetting of smooth, rough, and heterogeneous surfaces calculated from the variational principles. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 597-603.	5.0	29
83	On relative contribution of electrostatic and aerodynamic effects to dynamics of a levitating droplet cluster. <i>International Journal of Heat and Mass Transfer</i> , 2019, 133, 712-717.	2.5	24
84	Spatial scales of living cells and their energetic and informational capacity. <i>European Biophysics Journal</i> , 2018, 47, 515-521.	1.2	10
85	Wetting of flat gradient surfaces. <i>Journal of Colloid and Interface Science</i> , 2018, 515, 264-267.	5.0	10
86	Magnetic Field Inspired Contact Angle Hysteresis Drives Floating Polyolefin Rafts. <i>Colloids and Interface Science Communications</i> , 2018, 22, 38-41.	2.0	13
87	Toward an Understanding of Magnetic Displacement of Floating Diamagnetic Bodies, I: Experimental Findings. <i>Langmuir</i> , 2018, 34, 6388-6395.	1.6	18
88	Drop-wise and film-wise water condensation processes occurring on metallic micro-scaled surfaces. <i>Applied Surface Science</i> , 2018, 444, 604-609.	3.1	19
89	Plasma treatment of silicone oil- infused surfaces switches impact of water droplets from bouncing to tanner-like spreading. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 538, 133-139.	2.3	11
90	Comments on "The Principle of Least Action for Reversible Thermodynamic Processes and Cycles"; <i>Entropy</i> 2018, 20, 542. <i>Entropy</i> , 2018, 20, 980.	1.1	2

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91	Surface charging by the cold plasma discharge of lentil and pepper seeds in comparison with polymers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 541-544.	2.5	12
92	Entropy Contribution to the Line Tension: Insights from Polymer Physics, Water String Theory, and the Three-Phase Tension. <i>Entropy</i> , 2018, 20, 712.	1.1	2
93	Langevin Approach to Modeling of Small Levitating Ordered Droplet Clusters. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3834-3838.	2.1	15
94	Propulsion of liquid marbles: A tool to measure their effective surface tension and viscosity. <i>Journal of Colloid and Interface Science</i> , 2018, 532, 32-36.	5.0	25
95	Self-Propulsion of Water-Supported Liquid Marbles Filled with Sulfuric Acid. <i>Journal of Physical Chemistry B</i> , 2018, 122, 7936-7942.	1.2	25
96	Magnetically inspired deformation of the liquid/vapor interface drives soap bubbles. <i>Surface Innovations</i> , 2018, 6, 231-236.	1.4	14
97	Characterization of Self-Assembled 2D Patterns with Voronoi Entropy. <i>Entropy</i> , 2018, 20, 956.	1.1	49
98	On the Universal Quantitative Pattern of the Distribution of Initial Characters in General Dictionaries: The Exponential Distribution is Valid for Various Languages. <i>Journal of Quantitative Linguistics</i> , 2017, 24, 273-288.	0.7	6
99	Paradoxical Long-Timespan Opening of the Hole in Self-Supported Water Films of Nanometer Thickness. <i>Langmuir</i> , 2017, 33, 4688-4693.	1.6	0
100	Self-assembled levitating clusters of water droplets: pattern-formation and stability. <i>Scientific Reports</i> , 2017, 7, 1888.	1.6	61
101	Rotating and rolling rigid bodies and the "œ hairy ball" theorem. <i>American Journal of Physics</i> , 2017, 85, 447-453.	0.3	9
102	Self-propelling rotator driven by soluto-capillary marangoni flows. <i>Applied Physics Letters</i> , 2017, 110, 131604.	1.5	19
103	Paradoxical coffee-stain effect driven by the Marangoni flow observed on oil-infused surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 522, 355-360.	2.3	10
104	Small Levitating Ordered Droplet Clusters: Stability, Symmetry, and Voronoi Entropy. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5599-5602.	2.1	41
105	Superposition of Translational and Rotational Motions under Self-Propulsion of Liquid Marbles Filled with Aqueous Solutions of Camphor. <i>Langmuir</i> , 2017, 33, 13234-13241.	1.6	18
106	Plasma treatment switches the regime of wetting and floating of pepper seeds. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 157, 417-423.	2.5	24
107	Camphor-Engine-Driven Micro-Boat Guides Evolution of Chemical Gardens. <i>Scientific Reports</i> , 2017, 7, 3930.	1.6	12
108	Relaxation spectra of polymers and phenomena of electrical and hydrophobic recovery: Interplay between bulk and surface properties of polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 198-205.	2.4	13

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109	Liquid Marbles, Elastic Nonstick Droplets: From Minireactors to Self-Propulsion. <i>Langmuir</i> , 2017, 33, 663-669.	1.6	144
110	Breath-Figure Self-Assembly, a Versatile Method of Manufacturing Membranes and Porous Structures: Physical, Chemical and Technological Aspects. <i>Membranes</i> , 2017, 7, 45.	1.4	48
111	Friction, Free Axes of Rotation and Entropy. <i>Entropy</i> , 2017, 19, 123.	1.1	2
112	Physics of Wetting. , 2017, , .		46
113	Self-propulsion of a metallic superoleophobic micro-boat. <i>Journal of Colloid and Interface Science</i> , 2016, 479, 182-188.	5.0	23
114	Physics of solid-liquid interfaces: From the Young equation to the superhydrophobicity (Review) <i>Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50</i>	0.2	32
115	Evaporation of Ethanol-Water Binary Mixture Sessile Liquid Marbles. <i>Langmuir</i> , 2016, 32, 6097-6104.	1.6	35
116	Obstructions imposed by the Poincaré-Brouwer (hairy ball) theorem on the propagation of electromagnetic waves. <i>Journal of Electromagnetic Waves and Applications</i> , 2016, 30, 1049-1053.	1.0	4
117	Under-Liquid Self-Assembly of Submerged Buoyant Polymer Particles. <i>Langmuir</i> , 2016, 32, 5714-5720.	1.6	3
118	Superoleophobic Surfaces Obtained via Hierarchical Metallic Meshes. <i>Langmuir</i> , 2016, 32, 4134-4140.	1.6	31
119	Electrostatic interaction between water droplets coated by cold plasma treated silicone oil. Quantification of cold plasmas charging of liquids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 509, 224-228.	2.3	4
120	Influence of cold radiofrequency air and nitrogen plasmas treatment on wetting of polypropylene by the liquid epoxy resin. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 506, 445-449.	2.3	7
121	Synthesis and properties of magnetic superhydrophobic mesoporous Fe ₂ O ₃ -SiO ₂ composites. <i>Russian Journal of Applied Chemistry</i> , 2016, 89, 1960-1968.	0.1	2
122	Revisiting the Benford law: When the Benford-like distribution of leading digits in sets of numerical data is expectable?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 461, 595-601.	1.2	8
123	Geometric optics and the hairy ball theorem. <i>Results in Physics</i> , 2016, 6, 76-77.	2.0	3
124	Intuitive considerations clarifying the origin and applicability of the Benford law. <i>Results in Physics</i> , 2016, 6, 3-6.	2.0	11
125	Benford's law, its applicability and breakdown in the IR spectra of polymers. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 444, 524-529.	1.2	9
126	Surface tension supported floating of heavy objects: Why elongated bodies float better?. <i>Journal of Colloid and Interface Science</i> , 2016, 463, 8-12.	5.0	22

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127	Wetting Transitions. , 2016, , 4380-4387.		0
128	How to grow a movable mini-garden in a droplet: Growing chemical gardens in a water and aqueous ethanol solutions droplets deposited on a superhydrophobic surface. Colloids and Interface Science Communications, 2015, 7, 12-15.	2.0	3
129	A floating self-propelling liquid marble containing aqueous ethanol solutions. RSC Advances, 2015, 5, 101006-101012.	1.7	65
130	Sagging ropes demonstrate transversality conditions of variational problems. American Journal of Physics, 2015, 83, 998-1002.	0.3	2
131	Scaling law governing the roughness of the swash edge line. Scientific Reports, 2015, 4, 6243.	1.6	1
132	Elastic properties of liquid marbles. Colloid and Polymer Science, 2015, 293, 2157-2164.	1.0	47
133	Surface instabilities and patterning at liquid/vapor interfaces: Exemplifications of the "hairy ball theorem" Colloids and Interface Science Communications, 2015, 5, 5-7.	2.0	15
134	Temporal Electret Behavior of Polymer Films Exposed to Cold Radiofrequency Plasma. Advanced Engineering Materials, 2015, 17, 1175-1179.	1.6	6
135	Elastic Properties of Liquid Surfaces Coated with Colloidal Particles. Advances in Condensed Matter Physics, 2015, 2015, 1-6.	0.4	12
136	Progress in low voltage reversible electrowetting with lubricated polymer honeycomb substrates. RSC Advances, 2015, 5, 32491-32496.	1.7	23
137	Oscillating/Vibrating Surfaces. , 2015, , 395-411.		2
138	On universality of scaling law describing roughness of triple line. European Physical Journal E, 2015, 38, 2.	0.7	8
139	Interaction of cold radiofrequency plasma with seeds of beans (<i>Phaseolus vulgaris</i>). Journal of Experimental Botany, 2015, 66, 4013-4021.	2.4	130
140	Interpretation of elasticity of liquid marbles. Journal of Colloid and Interface Science, 2015, 457, 148-151.	5.0	20
141	Liquid marbles: Physics and applications. Sadhana - Academy Proceedings in Engineering Sciences, 2015, 40, 653-671.	0.8	16
142	Liquid marbles containing petroleum and their properties. Petroleum Science, 2015, 12, 340-344.	2.4	14
143	Probing properties of cold radiofrequency plasma with polymer probe. Journal of Plasma Physics, 2015, 81, .	0.7	2
144	Self-Propulsion of Liquid Marbles: Leidenfrost-like Levitation Driven by Marangoni Flow. Journal of Physical Chemistry C, 2015, 119, 9910-9915.	1.5	127

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145	Physical mechanisms of interaction of cold plasma with polymer surfaces. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 175-179.	5.0	52
146	Controlling drop bouncing using surfaces with gradient features. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	93
147	Phenomenological model of wetting charged dielectric surfaces and its testing with plasma-treated polymer films and inflatable balloons. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 487, 162-168.	2.3	9
148	Floating of heavy objects on liquid surfaces coated with colloidal particles. <i>Colloid and Polymer Science</i> , 2015, 293, 567-572.	1.0	5
149	Progress in understanding wetting transitions on rough surfaces. <i>Advances in Colloid and Interface Science</i> , 2015, 222, 92-103.	7.0	356
150	Hydrophilization and hydrophobic recovery in polymers obtained by casting of polymer solutions on water surface. <i>Journal of Colloid and Interface Science</i> , 2014, 435, 192-197.	5.0	13
151	A generalized electrowetting equation: Its derivation and consequences. <i>Chemical Physics Letters</i> , 2014, 599, 139-141.	1.2	6
152	Robust Technique Allowing the Manufacture of Superoleophobic (Omniphobic) Metallic Surfaces. <i>Advanced Engineering Materials</i> , 2014, 16, 1127-1132.	1.6	26
153	Hydrophilization of liquid surfaces by plasma treatment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 461, 225-230.	2.3	31
154	Low voltage reversible electrowetting exploiting lubricated polymer honeycomb substrates. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	34
155	Shaped composite liquid marbles. <i>Journal of Colloid and Interface Science</i> , 2014, 417, 206-209.	5.0	10
156	Polysulfone Membranes Demonstrating Asymmetric Diode-like Water Permeability and Their Applications. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 27-30.	1.7	13
157	On the Role of the Line Tension in the Stability of Cassie Wetting. <i>Langmuir</i> , 2013, 29, 5515-5519.	1.6	32
158	Robust technique allowing manufacturing superoleophobic surfaces. <i>Applied Surface Science</i> , 2013, 270, 98-103.	3.1	53
159	Submerged (Under-Liquid) Floating of Light Objects. <i>Langmuir</i> , 2013, 29, 10700-10704.	1.6	5
160	Jetting liquid marbles: study of the Taylor instability in immersed marbles. <i>Colloid and Polymer Science</i> , 2013, 291, 1535-1539.	1.0	8
161	Wetting of real solid surfaces: new glance on well-known problems. <i>Colloid and Polymer Science</i> , 2013, 291, 339-342.	1.0	74
162	Contact angles of rotating sessile droplets. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 432, 38-41.	2.3	19

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163	Revisiting the Fine Structure of the Triple Line. <i>Langmuir</i> , 2013, 29, 14163-14167.	1.6	21
164	Electrically Controlled Membranes Exploiting Cassie-Wenzel Wetting Transitions. <i>Scientific Reports</i> , 2013, 3, 3028.	1.6	22
165	Impact of surface forces on wetting of hierarchical surfaces and contact angle hysteresis. <i>Colloid and Polymer Science</i> , 2013, 291, 343-346.	1.0	34
166	Revisiting the surface tension of liquid marbles: Measurement of the effective surface tension of liquid marbles with the pendant marble method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 425, 15-23.	2.3	62
167	Towards understanding hydrophobic recovery of plasma treated polymers: Storing in high polarity liquids suppresses hydrophobic recovery. <i>Applied Surface Science</i> , 2013, 273, 549-553.	3.1	76
168	Entropy Harvesting. <i>Entropy</i> , 2013, 15, 2210-2217.	1.1	1
169	Towards Understanding Wetting Transitions on Biomimetic Surfaces: Scaling Arguments and Physical Mechanisms. <i>Green Energy and Technology</i> , 2012, , 127-147.	0.4	0
170	Cold Radiofrequency Plasma Treatment Modifies Wettability and Germination Speed of Plant Seeds. <i>Scientific Reports</i> , 2012, 2, 741.	1.6	264
171	New insights into liquid marbles. <i>Soft Matter</i> , 2012, 8, 11018.	1.2	90
172	Wetting Transitions on Post-Built and Porous Reliefs. <i>Journal of Adhesion Science and Technology</i> , 2012, 26, 1169-1180.	1.4	7
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