

# Ludmila B Boinovich

## 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.

134  
papers

3,447  
citations

32  
h-index

56  
g-index

163  
ext. papers

4,073  
ext. citations

4.1  
avg, IF

5.9  
L-index

#	Paper	IF	Citations
134	The mechanisms of anti-icing properties degradation for slippery liquid-infused porous surfaces under shear stresses.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 609, 260-268	9.3	5
133	The Potential of the Superhydrophobic State to Protect Magnesium Alloy against Corrosion. <i>Coatings</i> , <b>2022</b> , 12, 74	2.9	2
132	Superhydrophobic versus SLIPS: Temperature dependence and the stability of ice adhesion strength. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 606, 556-566	9.3	11
131	Disjoining pressure analysis of the lubricant nanofilm stability of liquid-infused surface upon lubricant depletion.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 618, 121-128	9.3	4
130	The durability of superhydrophobic and slippery liquid infused porous surface coatings under corona discharge characteristic of the operation of high voltage power transmission lines. <i>Energy Reports</i> , <b>2022</b> , 8, 6837-6844	4.6	0
129	The Threshold Effect in Ozone-Induced Degradation of Superhydrophobic Coatings. <i>Technical Physics</i> , <b>2021</b> , 66, 1100	0.5	0
128	Thermally Induced Gradient of Properties on a Superhydrophobic Magnesium Alloy Surface. <i>Metals</i> , <b>2021</b> , 11, 41	2.3	9
127	Efficiency and Mechanisms of Bactericidal Effect of Superhydrophilic Magnesium Alloy Surface against Escherichia coli. <i>Microbiology</i> , <b>2021</b> , 90, 643-646	1.4	
126	Antimicrobial Activity and Degradation of Superhydrophobic Magnesium Substrates in Bacterial Media. <i>Metals</i> , <b>2021</b> , 11, 1100	2.3	2
125	Structural Acrylic Adhesives: A Critical Review <b>2021</b> , 651-708		1
124	The Mechanisms of Antibacterial Activity of Magnesium Alloys with Extreme Wettability. <i>Materials</i> , <b>2021</b> , 14,	3.5	3
123	Laser-assisted processing of aluminum alloy for the fabrication of superhydrophobic coatings withstanding multiple degradation factors. <i>Surface and Coatings Technology</i> , <b>2020</b> , 397, 125993	4.4	27
122	Antibacterial Properties of Superhydrophilic Textured Copper in Contact with Bacterial Suspensions. <i>Bulletin of Experimental Biology and Medicine</i> , <b>2020</b> , 168, 488-491	0.8	4
121	Deep Undercooling of Aqueous Droplets on a Superhydrophobic Surface: The Specific Role of Cation Hydration. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 3058-3062	6.4	5
120	Water and Ice Adhesion to Solid Surfaces: Common and Specific, the Impact of Temperature and Surface Wettability. <i>Coatings</i> , <b>2020</b> , 10, 648	2.9	24
119	Spreading of biologically relevant liquids over the laser textured surfaces. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 567, 224-234	9.3	7
118	Progress in the Science of Surface Forces: From the Concept of Disjoining Pressure to Modern Nanotechnologies. <i>Russian Journal of Physical Chemistry A</i> , <b>2020</b> , 94, 496-504	0.7	1

117	Parameters of Supercooled Droplets of Water and Aqueous Solutions of Chlorides of Alkali Metals in the Temperature Range of +25 to -195°C. <i>Russian Journal of Physical Chemistry A</i> , <b>2020</b> , 94, 564-569	0.7	2
116	Superhydrophobic copper in biological liquids: Antibacterial activity and microbiologically induced or inhibited corrosion. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 185, 110622	6	24
115	Laser Treatment of Aluminum Alloys for Fabrication of Weather-Resistant Superhydrophobic Coatings. <i>Nanotechnologies in Russia</i> , <b>2020</b> , 15, 141-145	0.6	1
114	Contact angles: history of over 200 years of open questions. <i>Surface Innovations</i> , <b>2020</b> , 8, 3-27	1.9	89
113	Development of a Bacteriophage Complex with Superhydrophilic and Superhydrophobic Nanotextured Surfaces of Metals Preventing Healthcare-Associated Infections (HAI). <i>Bulletin of Experimental Biology and Medicine</i> , <b>2019</b> , 167, 500-503	0.8	2
112	Bactericidal Activity of Superhydrophobic and Superhydrophilic Copper in Bacterial Dispersions. <i>Langmuir</i> , <b>2019</b> , 35, 2832-2841	4	24
111	Van der Waals forces in free and wetting liquid films. <i>Advances in Colloid and Interface Science</i> , <b>2019</b> , 269, 357-369	14.3	8
110	Modus Operandi of Protective and Anti-icing Mechanisms Underlying the Design of Longstanding Outdoor Icephobic Coatings. <i>ACS Nano</i> , <b>2019</b> , 13, 4335-4346	16.7	80
109	Extreme-Wettability Textured Materials for Water Collection from Aerosols. <i>Doklady Physical Chemistry</i> , <b>2019</b> , 489, 169-172	0.8	1
108	Boundary layers and surface forces in pure nonaqueous liquids. <i>Current Opinion in Colloid and Interface Science</i> , <b>2019</b> , 44, 85-93	7.6	4
107	Effective Antibacterial Nanotextured Surfaces Based on Extreme Wettability and Bacteriophage Seeding. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 1348-1359	5.6	32
106	Delay in the Freezing of Supercooled Water Drops on Superhydrophobic Surfaces of Silicone Rubber at Negative Temperatures. <i>Russian Journal of Physical Chemistry A</i> , <b>2018</b> , 92, 178-184	0.7	7
105	Characterizing the Physicochemical Processes at the Interface through Evolution of the Axisymmetric Droplet Shape Parameters <b>2018</b> , 99-129		2
104	Cation capture and overcharging of a hydrophobized quartz surface in concentrated potassium chloride solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 537, 76-84	5.1	7
103	Experimental Application of Organic-Inorganic Hybrid Coatings with Adsorbed Bacteriophages for Reducing the Risk of STEC Infections. <i>Bulletin of Experimental Biology and Medicine</i> , <b>2018</b> , 165, 478-481	0.8	1
102	Pulsed Laser Induced Triple Layer Copper Oxide Structure for Durable Polyfunctionality of Superhydrophobic Coatings. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1801099	4.6	18
101	Superhydrophobic corrosion resistant coatings for copper via IR nanosecond laser processing. <i>Materials Research Express</i> , <b>2018</b> , 5, 115001	1.7	16
100	Laser Tailoring the Surface Chemistry and Morphology for Wear, Scale and Corrosion Resistant Superhydrophobic Coatings. <i>Langmuir</i> , <b>2018</b> , 34, 7059-7066	4	43

99	Investigations of variations in surface state of polymer films under structural rearrangements in air and during contact with water. <i>Inorganic Materials: Applied Research</i> , <b>2017</b> , 8, 60-66	0.6	1
98	Spreading and contraction of a benzene lens on water: A description on the basis of the disjoining pressure. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2017</b> , 522, 601-607	5.1	6
97	Combination of Functional Nanoengineering and Nanosecond Laser Texturing for Design of Superhydrophobic Aluminum Alloy with Exceptional Mechanical and Chemical Properties. <i>ACS Nano</i> , <b>2017</b> , 11, 10113-10123	16.7	119
96	Reinforced Superhydrophobic Coating on Silicone Rubber for Longstanding Anti-Icing Performance in Severe Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 24210-24219	9.5	101
95	Not simply repel water: the diversified nature of corrosion protection by superhydrophobic coatings. <i>Mendeleev Communications</i> , <b>2017</b> , 27, 254-256	1.9	54
94	Corrosion Behavior of Superhydrophobic Coatings on Aluminum-Magnesium Alloy in Potassium Iodide Solutions. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, C659-C665	3.9	8
93	Anti-icing properties of a superhydrophobic surface in a salt environment: an unexpected increase in freezing delay times for weak brine droplets. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 3131-6	3.6	42
92	Image Charge Effects in the Wetting Behavior of Alkanes on Water with Accounting for Water Solubility. <i>Materials</i> , <b>2016</b> , 9,	3.5	5
91	Application of laser micro- and nanotexturing for the fabrication of superhydrophobic corrosion-resistant coatings on aluminum. <i>Russian Chemical Bulletin</i> , <b>2016</b> , 65, 2607-2611	1.7	5
90	Nanoand microstructuring of materials surfaces using femtosecond laser pulses. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2016</b> , 80, 358-361	0.4	0
89	Comment on Nanosecond laser textured superhydrophobic metallic surfaces and their chemical sensing applications by Duong V. Ta, Andrew Dunn, Thomas J. Wasley, Robert W. Kay, Jonathan Stringer, Patrick J. Smith, Colm Connaughton, Jonathan D. Shephard ( <i>Appl. Surf. Sci.</i> 357 (2015) 2482-54). <i>Applied Surface Science</i> , <b>2016</b> , 379, 111-113	6.7	51
88	Corrosion behavior of superhydrophobic aluminum alloy in concentrated potassium halide solutions: When the specific anion effect is manifested. <i>Corrosion Science</i> , <b>2016</b> , 112, 517-527	6.8	44
87	Creation and modification of superhydrophobic materials based on fibrous polytetrafluoroethylene. <i>Doklady Chemistry</i> , <b>2015</b> , 462, 156-159	0.8	3
86	Effect of Decanol Vapors on the Delay in Water Droplet Crystallization on Superhydrophobic Substrates. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 8718-8724	3.8	14
85	The behaviour of fluoro- and hydrocarbon surfactants used for fabrication of superhydrophobic coatings at solid/water interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2015</b> , 481, 167-175	5.1	66
84	Synergistic Effect of Superhydrophobicity and Oxidized Layers on Corrosion Resistance of Aluminum Alloy Surface Textured by Nanosecond Laser Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 19500-8	9.5	139
83	Synthesis of wear-resistant superhydrophobic coatings via laser micro- and nanotexturing. <i>Nanotechnologies in Russia</i> , <b>2015</b> , 10, 585-592	0.6	1
82	Image-charge forces in thin interlayers due to surface charges in electrolyte. <i>Physical Review E</i> , <b>2015</b> , 91, 032402	2.4	4

81	Ultra-porous alumina for microwave planar antennas. <i>International Journal of Higher Education Management</i> , <b>2015</b> , 1, 93-99	1	3
80	Nanosecond laser micro- and nanotexturing for the design of a superhydrophobic coating robust against long-term contact with water, cavitation, and abrasion. <i>Applied Surface Science</i> , <b>2015</b> , 332, 513-517	6.7	141
79	Femtosecond laser treatment for the design of electro-insulating superhydrophobic coatings with enhanced wear resistance on glass. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 2080-5	9.5	48
78	Role of water vapor desublimation in the adhesion of an iced droplet to a superhydrophobic surface. <i>Langmuir</i> , <b>2014</b> , 30, 12596-601	4	25
77	Electrochemical properties of the superhydrophobic coatings on metals and alloys. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2014</b> , 45, 3075-3080	5.3	28
76	Effect of wettability on sessile drop freezing: when superhydrophobicity stimulates an extreme freezing delay. <i>Langmuir</i> , <b>2014</b> , 30, 1659-68	4	131
75	Long-Range Surface Forces in Molecular Liquids: Trends in the Theory <b>2014</b> , 133-159		
74	Experimental determination of the surface energy of polycrystalline ice. <i>Doklady Physical Chemistry</i> , <b>2014</b> , 459, 198-202	0.8	6
73	Protective Properties of the Nanocomposite Coatings on Mg Alloy. <i>Solid State Phenomena</i> , <b>2014</b> , 213, 176-179	0.4	8
72	Superhydrophobization of low-carbon steel with conversion coatings. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2014</b> , 50, 898-902	0.9	2
71	Formation and electrochemical properties of the superhydrophobic nanocomposite coating on PEO pretreated Mg <sub>97</sub> Mn <sub>2</sub> Ca magnesium alloy. <i>Surface and Coatings Technology</i> , <b>2013</b> , 232, 240-246	4.4	58
70	Manifestation of ion specificity in the behavior of the dynamic dielectric permittivity of aqueous solutions of alkali metal halides. <i>Doklady Physical Chemistry</i> , <b>2013</b> , 449, 98-102	0.8	1
69	Antiicing performance of superhydrophobic coatings on aluminum and stainless steel. <i>Russian Chemical Bulletin</i> , <b>2013</b> , 62, 380-387	1.7	11
68	Anti-icing Potential of Superhydrophobic Coatings. <i>Mendeleev Communications</i> , <b>2013</b> , 23, 3-10	1.9	157
67	Adhesive strength of the contact of ice with a superhydrophobic coating. <i>Doklady Chemistry</i> , <b>2013</b> , 448, 71-75	0.8	10
66	Durable icephobic coating for stainless steel. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 2549-54	9.5	191
65	Superhydrophobic coatings as a new class of polyfunctional materials. <i>Herald of the Russian Academy of Sciences</i> , <b>2013</b> , 83, 8-18	0.7	16
64	Manifestation of ion specificity in the behavior of the dynamic dielectric permittivity of aqueous solutions of alkali metal halides. <i>Journal of Structural Chemistry</i> , <b>2013</b> , 54, 345-354	0.9	1

63	Mg alloy treatment for superhydrophobic anticorrosion coating formation. <i>Surface Innovations</i> , <b>2013</b> , 1, 162-172	1.9	34
62	The effects of halide anions on the dielectric response of potassium halide solutions in visible, UV and far UV region. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 214502	3.9	4
61	Electrochemical properties of functional hybrid coatings on titanium. <i>Physics Procedia</i> , <b>2012</b> , 23, 106-109		1
60	Calculation of van der Waals Interaction Energy in Free Liquid Films Accounting for Many-body Contributions. <i>Chemistry Letters</i> , <b>2012</b> , 41, 1253-1255	1.7	4
59	The Analysis of the Parameters of Three-phase Coexistence in the Course of Long-term Contact between a Superhydrophobic Surface and an Aqueous Medium. <i>Chemistry Letters</i> , <b>2012</b> , 41, 1241-1243	1.7	8
58	A wetting experiment as a tool to study the physicochemical processes accompanying the contact of hydrophobic and superhydrophobic materials with aqueous media. <i>Advances in Colloid and Interface Science</i> , <b>2012</b> , 179-182, 133-41	14.3	90
57	Corrosion resistance of composite coatings on low-carbon steel containing hydrophobic and superhydrophobic layers in combination with oxide sublayers. <i>Corrosion Science</i> , <b>2012</b> , 55, 238-245	6.8	125
56	Origins of thermodynamically stable superhydrophobicity of boron nitride nanotubes coatings. <i>Langmuir</i> , <b>2012</b> , 28, 1206-16	4	129
55	Features of the occurrence of electrochemical processes in contact of sodium chloride solutions with the surface of superhydrophobic coatings on titanium. <i>Russian Journal of Electrochemistry</i> , <b>2012</b> , 48, 336-345	1.2	15
54	Long-Range Surface Forces in Molecular Liquids: Trends in the Theory <b>2011</b> , 133-159		
53	Thermal stability of superhydrophobic coatings. <i>Doklady Physical Chemistry</i> , <b>2011</b> , 436, 19-22	0.8	1
52	Analysis of wetting as an efficient method for studying the characteristics of coatings and surfaces and the processes that occur on them: A review. <i>Inorganic Materials</i> , <b>2011</b> , 47, 1667-1675	0.9	23
51	Superhydrophobic coatings based on boron nitride nanotubes: The mechanism of superhydrophobicity and self-regeneration of highly hydrophobic properties. <i>Nanotechnologies in Russia</i> , <b>2011</b> , 6, 723-732	0.6	9
50	Hydrophobic properties of composite fluoropolymer coatings on titanium. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2011</b> , 47, 93-101	0.9	16
49	A collection of papers presented at XIVth International Conference on Surface Forces, Moscow - St. Petersburg, Russia, June 21-27 2010. Foreword. <i>Advances in Colloid and Interface Science</i> , <b>2011</b> , 165, 59	14.3	
48	Wetting and surface forces. <i>Advances in Colloid and Interface Science</i> , <b>2011</b> , 165, 60-9	14.3	69
47	The prediction of wettability of curved surfaces on the basis of the isotherms of the disjoining pressure. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2011</b> , 383, 10-16	5.1	41
46	Wetting and electrochemical properties of hydrophobic and superhydrophobic coatings on titanium. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2011</b> , 383, 61-66	5.1	44

45	Analysis of long-term durability of superhydrophobic properties under continuous contact with water. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 1754-8	9.5	141
44	Triple point in spatially limited systems: Small particles and pores. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2010</b> , 46, 403-410	0.9	0
43	Interaction between hydrophobic and superhydrophobic materials with aqueous media. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2010</b> , 46, 734-739	0.9	14
42	DLVO forces in thin liquid films beyond the conventional DLVO theory. <i>Current Opinion in Colloid and Interface Science</i> , <b>2010</b> , 15, 297-302	7.6	36
41	Wetting behaviour and wetting transitions of alkanes on aqueous surfaces. <i>Advances in Colloid and Interface Science</i> , <b>2009</b> , 147-148, 44-55	14.3	15
40	Principles of design of superhydrophobic coatings by deposition from dispersions. <i>Langmuir</i> , <b>2009</b> , 25, 2907-12	4	62
39	Interactions of silicone rubbers designed for electrical engineering applications with aqueous media. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2009</b> , 45, 89-94	0.9	10
38	Shift of triple point in confined systems with curved interfaces. <i>Molecular Physics</i> , <b>2009</b> , 107, 1745-1753	1.7	7
37	Hydrophobic materials and coatings: principles of design, properties and applications. <i>Russian Chemical Reviews</i> , <b>2008</b> , 77, 583-600	6.8	217
36	On the effect of discrete charges adsorbed at the interface on nonionic liquid film stability: charges in the film. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 494227	1.8	13
35	Alkane films on water: stability and wetting transitions. <i>Russian Chemical Bulletin</i> , <b>2008</b> , 57, 263-273	1.7	11
34	The development of coatings that give superhydrophobic properties to the surface of silicone rubber. <i>Nanotechnologies in Russia</i> , <b>2008</b> , 3, 587-592	0.6	16
33	Comment on "Hydrophobic forces in the foam films stabilized by sodium dodecyl sulfate: effect of electrolyte" and subsequent criticism. <i>Langmuir</i> , <b>2007</b> , 23, 12457-60	4	11
32	Wetting behavior of pentane on water. The analysis of temperature dependence. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 10217-23	3.4	10
31	To the problem of first order phase transition at the fluid-fluid interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2007</b> , 300, 321-326	5.1	6
30	Long-range surface forces and their role in the progress. <i>Russian Chemical Reviews</i> , <b>2007</b> , 76, 471-488	6.8	49
29	Surface-induced shift of melting/freezing temperatures at interfaces between two semi-infinite media. <i>Russian Chemical Bulletin</i> , <b>2007</b> , 56, 14-19	1.7	2
28	On the Theory of the Stability of Dipole Molecule Solution Interlayers in Apolar Solvents: 3. A Formation of Adsorption Monolayers with Dipole Orientation Normal to the Surface. <i>Colloid Journal</i> , <b>2004</b> , 66, 11-17	1.1	3

27	On the Theory of the Stability of Dipole Molecule Solution Interlayers in Apolar Solvents: 4. A Localized Adsorption at the Dipole Orientation Parallel to the Interface. <i>Colloid Journal</i> , <b>2004</b> , 66, 18-24	1.1	3
26	Contact angle and wetting hysteresis measurements by digital image processing of the drop on a vertical filament. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2004</b> , 239, 25-31	5.1	23
25	On the Theory of the Stability of Dipole Molecule Solution Interlayers in Apolar Solvents: 1. Thermodynamics of Solution Film. <i>Colloid Journal</i> , <b>2003</b> , 65, 672-677	1.1	4
24	On the Theory of the Stability of Dipole Molecule Solution Interlayers in Apolar Solvents: 2. Diffuse Adsorption Layers. <i>Colloid Journal</i> , <b>2003</b> , 65, 678-683	1.1	6
23	The image-charge forces in thin films of solutions with non-polar solvent. <i>Advances in Colloid and Interface Science</i> , <b>2003</b> , 104, 93-121	14.3	15
22	Forces due to dynamic structure in thin liquid films. <i>Advances in Colloid and Interface Science</i> , <b>2002</b> , 96, 37-58	14.3	20
21	Application of Dynamic Thresholding of Video Images for Measuring the Interfacial Tension of Liquids and Contact Angles. <i>Instruments and Experimental Techniques</i> , <b>2002</b> , 45, 44-49	0.5	33
20	Orientalional ordering in thin interlayers of nematic liquid crystal 4,4'-penthyl-cyanobiphenyl. <i>European Physical Journal E</i> , <b>2001</b> , 6, 359-364	1.5	2
19	The role of discretization in video image processing of sessile and pendant drop profiles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2001</b> , 189, 197-202	5.1	37
18	The Use of Digital Processing of Video Images for Determining Parameters of Sessile and Pendant Droplets. <i>Colloid Journal</i> , <b>2001</b> , 63, 159-172	1.1	38
17	Structural Rearrangement in the Symmetric Interlayers of a Nematic-4-Pentyl-4-Cyanobiphenyl in the Field of Surface Forces. <i>Colloid Journal</i> , <b>2001</b> , 63, 402-414	1.1	4
16	The influence of the surface on conformational equilibrium in thin layers of nematic liquid crystal. <i>Russian Chemical Bulletin</i> , <b>2001</b> , 50, 319-321	1.7	1
15	Contact angles and the transition zone between a sessile drop and a wetting film studied by Monte Carlo simulation <b>1999</b> , 168-171		
14	On the mechanism of solvation forces <b>1999</b> , 64-67		6
13	Equilibrium wetting in the SOS model. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>1995</b> , 101, 245-249	5.1	3
12	Equilibrium wetting in SOS model. The role of long-range surface forces. <i>Advances in Colloid and Interface Science</i> , <b>1995</b> , 62, 161-188	14.3	4
11	On the Theory of the Phonon Component of Disjoining Pressure of Thin Liquid Films. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>1992</b> , 178, 229-241	3.1	7
10	Investigation of the isotherms of the disjoining pressure of wetting films of binary nonionic solutions by the ellipsometric method. <i>Progress in Surface Science</i> , <b>1992</b> , 40, 260-271	6.6	



9	The forces determining the stability of thin wetting films of solutions with nonpolar solvent. <i>Advances in Colloid and Interface Science</i> , <b>1992</b> , 37, 177-193	14.3	8
8	Contribution of image forces to the adsorption component of disjoining pressure in thin films of solutions with a polar solute. <i>Chemical Physics Letters</i> , <b>1991</b> , 182, 463-465	2.5	2
7	Spectroscopic cell for investigations of thin liquid films. <i>Surface and Interface Analysis</i> , <b>1991</b> , 17, 764-766	1.5	6
6	Ellipsometry of multilayer free-lying films. <i>Surface Science</i> , <b>1990</b> , 225, 206-216	1.8	3
5	Investigation of the isotherms of the disjoining pressure of wetting films of binary nonionic solutions by the ellipsometric method. <i>Colloids and Surfaces</i> , <b>1988</b> , 34, 43-54		7
4	Melting/Freezing Phase Transitions in Confined Systems 155-177		
3	Antimicrobial activity and degradation of superhydrophobic magnesium substrates in bacterial media		1
2	Elimination of wetting study flaws in unsaturated vapors based on Laplace fit parameters. <i>Surface Innovations</i> , 1-4	1.9	
1	Using Laplace Fit Parameters for the Elimination of Wetting Measurement Inaccuracy Caused by Vapor Undersaturation. <i>Surface Innovations</i> , 1-4	1.9	1