

# Nenad Miljkovic

## 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.

151  
papers

7,283  
citations

38  
h-index

83  
g-index

164  
ext. papers

9,108  
ext. citations

7.7  
avg, IF

6.56  
L-index

#	Paper	IF	Citations
151	Life Span of Slippery Lubricant Infused Surfaces.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,	9.5	2
150	Opportunities in Nanoengineered Surface Designs for Enhanced Condensation Heat and Mass Transfer. <i>Journal of Heat Transfer</i> , <b>2022</b> ,	1.8	5
149	The apparent surface free energy of rare earth oxides is governed by hydrocarbon adsorption.. <i>IScience</i> , <b>2022</b> , 25, 103691	6.1	3
148	Review of heat transfer enhancement techniques in two-phase flows for highly efficient and sustainable cooling. <i>Renewable and Sustainable Energy Reviews</i> , <b>2022</b> , 155, 111896	16.2	2
147	Biphilic jumping-droplet condensation. <i>Cell Reports Physical Science</i> , <b>2022</b> , 100823	6.1	0
146	High power and energy density dynamic phase change materials using pressure-enhanced close contact melting. <i>Nature Energy</i> , <b>2022</b> , 7, 270-280	62.3	5
145	Tunable and Robust Nanostructuring for Multifunctional Metal Additively Manufactured Interfaces.. <i>Nano Letters</i> , <b>2022</b> ,	11.5	3
144	How Superhydrophobic Grooves Drive Single-Droplet Jumping.. <i>Langmuir</i> , <b>2022</b> ,	4	3
143	A Lipid-Inspired Highly Adhesive Interface for Durable Superhydrophobicity in Wet Environments and Stable Jumping Droplet Condensation.. <i>ACS Nano</i> , <b>2022</b> ,	16.7	2
142	Superhydrophobic heat exchangers delay frost formation and reduce defrost energy input of aircraft environmental control systems. <i>International Journal of Heat and Mass Transfer</i> , <b>2022</b> , 189, 122669	4.9	4
141	Direct cooling of a planar magnetic converter using dielectric liquid forced convection enabled by additive manufacturing. <i>International Journal of Heat and Mass Transfer</i> , <b>2022</b> , 191, 122809	4.9	1
140	A versatile interferometric technique for probing the thermophysical properties of complex fluids.. <i>Light: Science and Applications</i> , <b>2022</b> , 11, 115	16.7	2
139	Slippery omniphobic covalently attached liquid coatings mitigate carbon deposition by autoxidation of jet fuel. <i>Cell Reports Physical Science</i> , <b>2022</b> , 100859	6.1	1
138	Ultra-low ice-substrate adhesion and self-deicing during droplet impact freezing. <i>Cell Reports Physical Science</i> , <b>2022</b> , 100894	6.1	1
137	Exploring the limits of condensation heat transfer: A numerical study of microscale-confined condensation between parallel surfaces having wetting contrast. <i>International Journal of Heat and Mass Transfer</i> , <b>2022</b> , 193, 122758	4.9	0
136	Machine learning enabled condensation heat transfer measurement. <i>International Journal of Heat and Mass Transfer</i> , <b>2022</b> , 194, 123016	4.9	0
135	Role of Thin Film Adhesion on Capillary Peeling. <i>Nano Letters</i> , <b>2021</b> , 21, 9983-9989	11.5	2

134	Electrothermal-Control Co-Design of an All Silicon Carbide 2050 kW Dual Inverter for Heavy-Duty Traction Applications. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	0
133	In situ jet electrolyte micromachining and additive manufacturing. <i>Applied Physics Letters</i> , <b>2021</b> , 119, 171602	3.4	1
132	Equivalent Thermal Conductivity Prediction of Form-Wound Windings With Litz Wire Including Transposition Effects. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 1440-1449	4.3	3
131	Gas-Phase Temperature Mapping of Evaporating Microdroplets. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 15925-15938	9.5	6
130	Performance analysis on system-level integration and operation of daytime radiative cooling technology for air-conditioning in buildings. <i>Energy and Buildings</i> , <b>2021</b> , 235, 110749	7	7
129	Asymmetric Bubble Formation at Rectangular Orifices. <i>Langmuir</i> , <b>2021</b> , 37, 4302-4307	4	1
128	Lubricant-Infused Surfaces for Low-Surface-Tension Fluids: The Extent of Lubricant Miscibility. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 23121-23133	9.5	11
127	Phase Change Material Heat Sink for Transient Cooling of High-Power Devices. <i>International Journal of Heat and Mass Transfer</i> , <b>2021</b> , 170, 121033	4.9	11
126	Liquid film-induced critical heat flux enhancement on structured surfaces. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	14
125	Scalable and Resilient Etched Metallic Micro- and Nanostructured Surfaces for Enhanced Flow Boiling. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 6648-6658	5.6	8
124	Superhydrophobic heat exchangers delay frost formation and enhance efficiency of electric vehicle heat pumps. <i>International Journal of Heat and Mass Transfer</i> , <b>2021</b> , 172, 121162	4.9	13
123	Dropletwise condensation of low surface tension fluids on lubricant-infused surfaces: Droplet size distribution and heat transfer. <i>International Journal of Heat and Mass Transfer</i> , <b>2021</b> , 172, 121149	4.9	21
122	Droplet evaporation dynamics on microstructured biphilic, hydrophobic, and smooth surfaces. <i>Experiments in Fluids</i> , <b>2021</b> , 62, 1	2.5	3
121	Wettability-defined frosting dynamics between plane fins in quiescent air. <i>International Journal of Heat and Mass Transfer</i> , <b>2021</b> , 164, 120563	4.9	8
120	Endoscopic Visualization of Contact Line Dynamics during Pool Boiling on Capillary-Activated Copper Microchannels. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2006249	15.6	7
119	Review of heat transfer enhancement techniques for single phase flows. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 137, 110566	16.2	38
118	. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2021</b> , 1-1	1.7	8
117	Modular Heat Sinks for Enhanced Thermal Management of Electronics. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , <b>2021</b> , 143,	2	5

116	Nanostructured jumping-droplet thermal rectifier. <i>Physical Review E</i> , <b>2021</b> , 103, 023110	2.4	9
115	Phase change material-based thermal energy storage. <i>Cell Reports Physical Science</i> , <b>2021</b> , 2, 100540	6.1	9
114	Scalable Slippery Omniphobic Covalently Attached Liquid Coatings for Flow Fouling Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 38666-38679	9.5	6
113	Ultra-thin self-healing vitrimer coatings for durable hydrophobicity. <i>Nature Communications</i> , <b>2021</b> , 12, 5210	17.4	21
112	A Deep Learning Perspective on Dropwise Condensation. <i>Advanced Science</i> , <b>2021</b> , 8, e2101794	13.6	3
111	Fabrication Optimization of Ultra-Scalable Nanostructured Aluminum-Alloy Surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 43489-43504	9.5	5
110	Ultra-power-dense heat exchanger development through genetic algorithm design and additive manufacturing. <i>Joule</i> , <b>2021</b> ,	27.8	10
109	Reduced Order Design Optimization of Liquid Cooled Heat Sinks. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , <b>2021</b> ,	2	2
108	Heat Transfer Enhancement of Single-Phase Internal Flows using Shape Optimization and Additively Manufactured Flow Structures. <i>International Journal of Heat and Mass Transfer</i> , <b>2021</b> , 177, 121510	4.9	7
107	A numerical fitting routine for frequency-domain thermoreflectance measurements of nanoscale material systems having arbitrary geometries. <i>Journal of Applied Physics</i> , <b>2021</b> , 129, 035103	2.5	0
106	Scalable Corrosion-Resistant Coatings for Thermal Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 4519-4534	9.5	26
105	High-Throughput Stamping of Hybrid Functional Surfaces. <i>Langmuir</i> , <b>2020</b> , 36, 5730-5744	4	13
104	Atmosphere-Mediated Scalable and Durable Biphilicity on Rationally Designed Structured Surfaces. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2000475	4.6	15
103	Design, Operation, and Loss Characterization of a 1-kW GaN-Based Three-Level Converter at Cryogenic Temperatures. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 12040-12052	7.2	15
102	High power density thermal energy storage using additively manufactured heat exchangers and phase change material. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 153, 119591	4.9	26
101	Fundamental limits of jumping droplet heat transfer. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 093701	3.4	22
100	Analysis of cicada wing surface constituents by comprehensive multidimensional gas chromatography for species differentiation. <i>Microchemical Journal</i> , <b>2020</b> , 158, 105089	4.8	5
99	Recent developments, challenges, and pathways to stable dropwise condensation: A perspective. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 260501	3.4	53

98	A composite phase change material thermal buffer based on porous metal foam and low-melting-temperature metal alloy. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 071901	3.4	12
97	Extreme Antiscaling Performance of Slippery Omniphobic Covalently Attached Liquids. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 12054-12067	9.5	23
96	Molecular and Topographical Organization: Influence on Cicada Wing Wettability and Bactericidal Properties. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2000112	4.6	22
95	Condensation Induced Blistering as a Measurement Technique for the Adhesion Energy of Nanoscale Polymer Films. <i>Nano Letters</i> , <b>2020</b> , 20, 3918-3924	11.5	22
94	Dancing Droplets Partial Coalescence on Superhydrophobic Surfaces. <i>Journal of Heat Transfer</i> , <b>2020</b> , 142,	1.8	1
93	Frost Halo Dynamics on Superhydrophobic Surfaces. <i>Journal of Heat Transfer</i> , <b>2020</b> , 142,	1.8	1
92	Multi-objective optimization of peel and shear strengths in ultrasonic metal welding using machine learning-based response surface methodology. <i>Mathematical Biosciences and Engineering</i> , <b>2020</b> , 17, 7411-7427	2.1	7
91	The Impact of Non-uniform Metal Scaffolds on the Performance of 3D Structured Silicon Anodes. <i>Journal of Energy Storage</i> , <b>2020</b> , 30, 101502	7.8	5
90	Composite Structured Surfaces for Durable Dropwise Condensation. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 156, 119890	4.9	15
89	Jumping droplets electronics cooling: Promise versus reality. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 203701	3.4	13
88	Water immersion cooling of high power density electronics. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 147, 118918	4.9	27
87	Dropwise condensation on solid hydrophilic surfaces. <i>Science Advances</i> , <b>2020</b> , 6, eaax0746	14.3	68
86	Development of automated angle-scanning, high-speed surface plasmon resonance imaging and SPRi visualization for the study of dropwise condensation. <i>Experiments in Fluids</i> , <b>2020</b> , 61, 1	2.5	8
85	Enhanced Condensation on Liquid-Infused Nanoporous Surfaces by Vibration-Assisted Droplet Sweeping. <i>ACS Nano</i> , <b>2020</b> , 14, 13367-13379	16.7	15
84	Electrothermal soft manipulator enabling safe transport and handling of thin cell/tissue sheets and bioelectronic devices. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	11
83	Laplace Pressure Driven Single-Droplet Jumping on Structured Surfaces. <i>ACS Nano</i> , <b>2020</b> , 14, 12796-12800	10.7	24
82	Breaking Droplet Jumping Energy Conversion Limits with Superhydrophobic Microgrooves. <i>Langmuir</i> , <b>2020</b> , 36, 9510-9522	4	21
81	Droplet Evaporation Dynamics of Low Surface Tension Fluids Using the Steady Method. <i>Langmuir</i> , <b>2020</b> , 36, 13860-13871	4	1

80	Fouling modeling and prediction approach for heat exchangers using deep learning. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 159, 120112	4.9	16
79	Dynamic Defrosting on Superhydrophobic and Biphilic Surfaces. <i>Matter</i> , <b>2020</b> , 3, 1178-1195	12.7	18
78	Dissolvable Template Nanoimprint Lithography: A Facile and Versatile Nanoscale Replication Technique. <i>Nano Letters</i> , <b>2020</b> , 20, 6989-6997	11.5	4
77	Cloaking Dynamics on Lubricant-Infused Surfaces. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2000983	4.6	14
76	Transient pulse condensation. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 091602	3.4	6
75	. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2020</b> , 10, 220-229	1.7	22
74	Condensation of Satellite Droplets on Lubricant-Cloaked Droplets. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 22246-22255	9.5	14
73	An Integrated Liquid Metal Thermal Switch for Active Thermal Management of Electronics. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2019</b> , 9, 2341-2351	1.7	14
72	Condensation frosting on meter-scale superhydrophobic and superhydrophilic heat exchangers. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 145, 118694	4.9	38
71	Ultrascaleable Multifunctional Nanoengineered Copper and Aluminum for Antiadhesion and Bactericidal Applications.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 2726-2737	4.1	18
70	Atmosphere-Mediated Superhydrophobicity of Rationally Designed Micro/Nanostructured Surfaces. <i>ACS Nano</i> , <b>2019</b> , 13, 4160-4173	16.7	97
69	Environment-Friendly Antibiofouling Superhydrophobic Coatings. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 14509-14520	8.3	43
68	Pulse interfacial defrosting. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 071601	3.4	8
67	Surrogate Model Assisted Design of Silicon Anode Considering Lithiation Induced Stresses <b>2019</b> ,		2
66	Numerical Simulation of Jumping Droplet Condensation. <i>Langmuir</i> , <b>2019</b> , 35, 10309-10321	4	18
65	Stable Dropwise Condensation of Ethanol and Hexane on Rationally Designed Ultrascaleable Nanostructured Lubricant-Infused Surfaces. <i>Nano Letters</i> , <b>2019</b> , 19, 5287-5296	11.5	58
64	Hierarchical Condensation. <i>ACS Nano</i> , <b>2019</b> , 13, 8169-8184	16.7	51
63	Condensation Induced Delamination of Nanoscale Hydrophobic Films. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1905222	15.6	41

62	Droplet Microgoniometry Using Optical Microscopy. <i>ACS Nano</i> , <b>2019</b> , 13, 13343-13353	16.7	5
61	Visualization of Droplet Nucleation on Patterned Hybrid Surfaces. <i>Journal of Heat Transfer</i> , <b>2019</b> , 141,	1.8	3
60	Swimming Jellyfish-Inspired Visualizing Jet-Like Internal Flow in Coalescing Droplets. <i>Journal of Heat Transfer</i> , <b>2019</b> , 141,	1.8	2
59	Cicada-inspired self-cleaning superhydrophobic surfaces. <i>Journal of Heat Transfer</i> , <b>2019</b> , 141,	1.8	4
58	Ultrascaleable Three-Tier Hierarchical Nanoengineered Surfaces for Optimized Boiling. <i>ACS Nano</i> , <b>2019</b> , 13, 14080-14093	16.7	33
57	Droplet Jumping: Effects of Droplet Size, Surface Structure, Pinning, and Liquid Properties. <i>ACS Nano</i> , <b>2019</b> , 13, 1309-1323	16.7	64
56	Self-assembled liquid bridge confined boiling on nanoengineered surfaces. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 133, 1154-1164	4.9	13
55	Controlling the Contact Times of Bouncing Droplets: Droplet Impact on Vibrating Surfaces. <i>Journal of Heat Transfer</i> , <b>2018</b> , 140,	1.8	2
54	Millimeter-scale liquid metal droplet thermal switch. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 063505	3.4	25
53	Droplet Cloaking Imaging and Characterization. <i>Journal of Heat Transfer</i> , <b>2018</b> , 140,	1.8	3
52	Thin Film Condensation on Nanostructured Surfaces. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1707000	15.6	42
51	Spatially resolved chemical analysis of cicada wings using laser-ablation electrospray ionization (LAESI) imaging mass spectrometry (IMS). <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 1911-1921	4.4	11
50	Optically Transparent Thermally Insulating Silica Aerogels for Solar Thermal Insulation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 12603-12611	9.5	43
49	Analysis of modular composite heat pipes. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 127, 1198-1207	4.9	4
48	Effect of Latent Heat Released by Freezing Droplets during Frost Wave Propagation. <i>Langmuir</i> , <b>2018</b> , 34, 6636-6644	4	34
47	Effects of environmental aging on physical properties of aromatic thermosetting copolyester matrix neat and nanocomposite foams. <i>Polymer Degradation and Stability</i> , <b>2018</b> , 147, 49-56	4.7	13
46	Springboard Droplet Bouncing on Flexible Superhydrophobic Substrates. <i>Journal of Heat Transfer</i> , <b>2017</b> , 139,	1.8	4
45	Focal Plane Shift Imaging for the Analysis of Multi-Droplet Jumping. <i>Journal of Heat Transfer</i> , <b>2017</b> , 139,	1.8	2

44	Bulk water freezing dynamics on superhydrophobic surfaces. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 041604	3.4	20
43	Condensate droplet size distribution on lubricant-infused surfaces. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 109, 187-199	4.9	96
42	Experimental evaluation of a 1 kW, single-phase, 3-level gallium nitride inverter in extreme cold environment <b>2017</b> ,		17
41	Active hot spot cooling of GaN transistors with electric field enhanced jumping droplet condensation <b>2017</b> ,		9
40	Jumping-droplet electronics hot-spot cooling. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 123107	3.4	69
39	Superhydrophobic Surfaces Made from Naturally Derived Hydrophobic Materials. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 11362-11370	8.3	52
38	Steady Method for the Analysis of Evaporation Dynamics. <i>Langmuir</i> , <b>2017</b> , 33, 12007-12015	4	25
37	Lubricant-Infused Surfaces for Low-Surface-Tension Fluids: Promise versus Reality. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 36400-36408	9.5	117
36	Exploring the Role of Habitat on the Wettability of Cicada Wings. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 27173-27184	9.5	42
35	Nanoscale-Agglomerate-Mediated Heterogeneous Nucleation. <i>Nano Letters</i> , <b>2017</b> , 17, 7544-7551	11.5	32
34	Internal convective jumping-droplet condensation in tubes. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 114, 1025-1036	4.9	18
33	Electric FieldBased Control and Enhancement of Boiling and Condensation. <i>Nanoscale and Microscale Thermophysical Engineering</i> , <b>2017</b> , 21, 102-121	3.7	39
32	External convective jumping-droplet condensation on a flat plate. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 107, 74-88	4.9	25
31	Droplet impact on vibrating superhydrophobic surfaces. <i>Physical Review Fluids</i> , <b>2017</b> , 2,	2.8	26
30	Focal Plane Shift Imaging for the Analysis of Dynamic Wetting Processes. <i>ACS Nano</i> , <b>2016</b> , 10, 8223-32	16.7	41
29	Heat Transfer through a Condensate Droplet on Hydrophobic and Nanostructured Superhydrophobic Surfaces. <i>Langmuir</i> , <b>2016</b> , 32, 7774-87	4	98
28	Water droplet impact on elastic superhydrophobic surfaces. <i>Scientific Reports</i> , <b>2016</b> , 6, 30328	4.9	90
27	Coalescence-induced nanodroplet jumping. <i>Physical Review Fluids</i> , <b>2016</b> , 1,	2.8	98



26	Electrically induced drop detachment and ejection. <i>Physics of Fluids</i> , <b>2016</b> , 28, 022101	4.4	37
25	A Comprehensive Model of Electric-Field-Enhanced Jumping-Droplet Condensation on Superhydrophobic Surfaces. <i>Langmuir</i> , <b>2015</b> , 31, 7885-96	4	49
24	Scalable graphene coatings for enhanced condensation heat transfer. <i>Nano Letters</i> , <b>2015</b> , 15, 2902-9	11.5	173
23	Recent Developments in Altered Wettability for Enhancing Condensation <b>2015</b> , 85-131		5
22	Enhanced Jumping-Droplet Departure. <i>Langmuir</i> , <b>2015</b> , 31, 13452-66	4	106
21	Jumping-droplet electrostatic energy harvesting. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 013111	3.4	131
20	Solar steam generation by heat localization. <i>Nature Communications</i> , <b>2014</b> , 5, 4449	17.4	1120
19	Dropwise Condensation on Micro- and Nanostructured Surfaces. <i>Nanoscale and Microscale Thermophysical Engineering</i> , <b>2014</b> , 18, 223-250	3.7	186
18	How coalescing droplets jump. <i>ACS Nano</i> , <b>2014</b> , 8, 10352-62	16.7	239
17	Effect of hydrocarbon adsorption on the wettability of rare earth oxide ceramics. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 011601	3.4	119
16	Electrostatic charging of jumping droplets. <i>Nature Communications</i> , <b>2013</b> , 4, 2517	17.4	165
15	Jumping-droplet-enhanced condensation on scalable superhydrophobic nanostructured surfaces. <i>Nano Letters</i> , <b>2013</b> , 13, 179-87	11.5	766
14	Electric-field-enhanced condensation on superhydrophobic nanostructured surfaces. <i>ACS Nano</i> , <b>2013</b> , 7, 11043-54	16.7	144
13	Modeling and Optimization of Superhydrophobic Condensation. <i>Journal of Heat Transfer</i> , <b>2013</b> , 135,	1.8	166
12	Condensation heat transfer on superhydrophobic surfaces. <i>MRS Bulletin</i> , <b>2013</b> , 38, 397-406	3.2	274
11	Condensation on Superhydrophobic Copper Oxide Nanostructures. <i>Journal of Heat Transfer</i> , <b>2013</b> , 135,	1.8	147
10	Immersion condensation on oil-infused heterogeneous surfaces for enhanced heat transfer. <i>Scientific Reports</i> , <b>2013</b> , 3, 1988	4.9	179
9	Effect of droplet morphology on growth dynamics and heat transfer during condensation on superhydrophobic nanostructured surfaces. <i>ACS Nano</i> , <b>2012</b> , 6, 1776-85	16.7	417

8	Condensation on superhydrophobic surfaces: the role of local energy barriers and structure length scale. <i>Langmuir</i> , <b>2012</b> , 28, 14424-32	4	284
7	Growth Dynamics During Dropwise Condensation on Nanostructured Superhydrophobic Surfaces <b>2012</b> ,		20
6	High Angle Environmental Scanning Electron Microscopy for the Study of Dropwise Condensation on Nanostructured Superhydrophobic Surfaces. <i>Microscopy and Microanalysis</i> , <b>2012</b> , 18, 1164-1165	0.5	
5	Modeling and optimization of hybrid solar thermoelectric systems with thermosyphons. <i>Solar Energy</i> , <b>2011</b> , 85, 2843-2855	6.8	86
4	Liquid Evaporation on Superhydrophobic and Superhydrophilic Nanostructured Surfaces. <i>Journal of Heat Transfer</i> , <b>2011</b> , 133,	1.8	13
3	Polydimethylsiloxane-Silane Synergy enables Dropwise Condensation of Low Surface Tension Liquids. <i>Advanced Functional Materials</i> ,2112837	15.6	1
2	Superior Antidegeneration Hierarchical Nanoengineered Wicking Surfaces for Boiling Enhancement. <i>Advanced Functional Materials</i> ,2108836	15.6	2
1	Enabling Renewable Energy Technologies in Harsh Climates with Ultra-Efficient Electro-Thermal Desnowing, Defrosting, and Deicing. <i>Advanced Functional Materials</i> ,2201521	15.6	3