CITATION REPORT List of articles citing



DOI: 10.1080/15567265.2013.862889 Nanoscale and Microscale Thermophysical Engineering, 2014, 18, 223-250.

Source: https://exaly.com/paper-pdf/59319557/citation-report.pdf

Version: 2024-04-20

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
214	Surface engineering for phase change heat transfer: A review. 2014 , 1, 1		217
213	Effect of hydrocarbon adsorption on the wettability of rare earth oxide ceramics. 2014 , 105, 011601		119
212	Microscopic droplet formation and energy transport analysis of condensation on scalable superhydrophobic nanostructured copper oxide surfaces. 2014 , 30, 14498-511		57
211	Enhancing dropwise condensation through bioinspired wettability patterning. 2014 , 30, 13103-15		174
210	Jumping-droplet electrostatic energy harvesting. 2014 , 105, 013111		131
209	Scale effect on dropwise condensation on superhydrophobic surfaces. 2014 , 6, 14353-9		48
208	How coalescing droplets jump. 2014 , 8, 10352-62		239
207	Resonance-induced condensate shedding for high-efficiency heat transfer. 2014 , 79, 720-726		8
206	Thermal Stability of Rare Earth Oxide Coated Superhydrophobic Microstructured Metallic Surfaces. 2015 ,		1
205	Fabrication of Condensate Microdrop Self-Propelling Porous Films of Cerium Oxide Nanoparticles on Copper Surfaces. 2015 , 127, 4958-4961		5
204	DROPWISE CONDENSATION OF METAL VAPORS UNDERNEATH INCLINED SUBSTRATES. 2015 , 3, 85-11	3	2
203	Evaluating Broader Impacts of Nanoscale Thermal Transport Research. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2015 , 19, 127-165	3.7	60
202	Copper-Based Ultrathin Nickel Nanocone Films with High-Efficiency Dropwise Condensation Heat Transfer Performance. 2015 , 7, 11719-23		59
201	Toward enhancement of water vapour condensation using wettability gradient surface. 2015 , 67, 70-74	4	19
200	Clustered ribbed-nanoneedle structured copper surfaces with high-efficiency dropwise condensation heat transfer performance. 2015 , 7, 10660-5		112
199	Enhanced Jumping-Droplet Departure. 2015 , 31, 13452-66		106
198	Fabrication of condensate microdrop self-propelling porous films of cerium oxide nanoparticles on copper surfaces. 2015 , 54, 4876-9		91

(2016-2015)

197	Impact of air and water vapor environments on the hydrophobicity of surfaces. 2015 , 453, 177-185	9
196	A Comprehensive Model of Electric-Field-Enhanced Jumping-Droplet Condensation on Superhydrophobic Surfaces. 2015 , 31, 7885-96	49
195	Scalable graphene coatings for enhanced condensation heat transfer. 2015 , 15, 2902-9	173
194	Design and Fabrication of a Hybrid Superhydrophobic-Hydrophilic Surface That Exhibits Stable Dropwise Condensation. 2015 , 7, 23575-88	79
193	Self-propelled sweeping removal of dropwise condensate. 2015 , 106, 221601	80
192	Theory of Dropwise Condensation. 2015 , 1-14	1
191	Recent Developments in Altered Wettability for Enhancing Condensation. 2015, 85-131	5
190	Facile Fabrication of Anodic Alumina Rod-Capped Nanopore Films with Condensate Microdrop Self-Propelling Function. 2015 , 7, 18206-10	33
189	The effect of relative humidity on dropwise condensation dynamics. 2015, 80, 759-766	42
188	Recurrent filmwise and dropwise condensation on a beetle mimetic surface. 2015 , 9, 71-81	326
187	Physics of icing and rational design of surfaces with extraordinary icephobicity. 2015 , 31, 4807-21	228
186	Bioinspired Interfacial Materials with Enhanced Drop Mobility: From Fundamentals to Multifunctional Applications. 2016 , 12, 1825-39	159
185	Effect of Open Micro-Channels on External Condensation Heat Transfer. 2016,	
184	Behavior of Clusters on Smooth and Nano-Structured Surfaces. 2016 ,	
183	Droplet Departure Characteristics and Dropwise Condensation Heat Transfer at Low Steam Pressure. 2016 , 138,	24
182	Combined Visualization and Heat Transfer Measurements for Steam Flow Condensation in Hydrophilic and Hydrophobic Mini-Gaps. 2016 , 138,	7
181	On the onset of surface condensation: formation and transition mechanisms of condensation mode. 2016 , 6, 30764	48

179	On the early and developed stages of surface condensation: competition mechanism between interfacial and condensate bulk thermal resistances. 2016 , 6, 35003	14
178	Experimental explanation of the formation mechanism of surface mound-structures by femtosecond laser on polycrystalline NiNb. 2016 , 108,	10
177	Biomimetic Surfaces for Enhanced Dropwise Condensation Heat Transfer: Mimic Nature and Transcend Nature. 2016 , 185-228	1
176	Focal Plane Shift Imaging for the Analysis of Dynamic Wetting Processes. 2016 , 10, 8223-32	41
175	Heat Transfer through a Condensate Droplet on Hydrophobic and Nanostructured Superhydrophobic Surfaces. 2016 , 32, 7774-87	98
174	Fabrication of copper-based ZnO nanopencil arrays with high-efficiency dropwise condensation heat transfer performance. 2016 , 6, 59405-59409	16
173	Understanding the Role of Dynamic Wettability for Condensate Microdrop Self-Propelling Based on Designed Superhydrophobic TiO Nanostructures. 2017 , 13, 1600687	89
172	Hydrophobic copper nanowires for enhancing condensation heat transfer. 2017 , 33, 177-183	129
171	Controlled solvent vapor annealing of a high [block copolymer thin film. 2017, 19, 2805-2815	35
170	Bulk water freezing dynamics on superhydrophobic surfaces. 2017 , 110, 041604	20
169	Condensate droplet size distribution on lubricant-infused surfaces. 2017 , 109, 187-199	96
168	Growth Rates and Spontaneous Navigation of Condensate Droplets Through Randomly Structured Textures. 2017 , 11, 1673-1682	65
167	Exploring the Role of Adsorption and Surface State on the Hydrophobicity of Rare Earth Oxides. 2017 , 9, 13751-13760	46
166	A numerical study of parallel-plate and open-plate droplet transport in electrowetting-on-dielectrode (EWOD). 2017 , 71, 805-821	9
165	Spatial Control of Condensation on Chemically Homogeneous Pillar-Built Surfaces. 2017, 33, 5197-5203	12
164	Nano-striped chemically anisotropic surfaces have near isotropic wettability. 2017 , 110, 171603	15
163	In Situ Determination of the Water Condensation Mechanisms on Superhydrophobic and Superhydrophilic Titanium Dioxide Nanotubes. 2017 , 33, 6449-6456	18
162	Role of impregnated lubricant in enhancing thermosyphon performance. 2017 , 109, 1229-1238	23

161	Hotspot cooling with jumping-drop vapor chambers. 2017 , 110, 141601	78
160	Lubricant-Infused Surfaces for Low-Surface-Tension Fluids: Promise versus Reality. 2017 , 9, 36400-36408	117
159	Bioinspired Surfaces with Superwettability for Anti-Icing and Ice-Phobic Application: Concept, Mechanism, and Design. 2017 , 13, 1701867	145
158	Bubble detachment assisted by electrowetting-driven interfacial wave. 2017 , 29, 102105	14
157	Bioinspired hierarchical copper oxide surfaces for rapid dropwise condensation. 2017 , 5, 21422-21428	16
156	Self-shedding and sweeping of condensate on composite nano-surface under external force field: enhancement mechanism for dropwise and filmwise condensation modes. 2017 , 7, 8633	4
155	Dropwise Condensation on Advanced Functional Surfaces Theory and Experimental Setup. 2017 , 40, 1966-1974	12
154	Insights into the Impact of Surface Hydrophobicity on Droplet Coalescence and Jumping Dynamics. 2017 , 33, 8574-8581	28
153	Heat transfer performance of a lubricant-infused thermosyphon at various filling ratios. 2017 , 115, 725-736	22
152	Coalescence-Induced Self-Propulsion of Droplets on Superomniphobic Surfaces. 2017 , 9, 29328-29336	32
151	The effect of Marangoni convection on heat transfer during dropwise condensation on hydrophobic and omniphobic surfaces. 2017 , 115, 148-158	58
150	Hierarchical Superhydrophobic Surfaces with Micropatterned Nanowire Arrays for High-Efficiency Jumping Droplet Condensation. 2017 , 9, 44911-44921	77
149	Nanoscale-Agglomerate-Mediated Heterogeneous Nucleation. 2017 , 17, 7544-7551	32
148	Condensation. 2017 , 1-26	1
147	Internal convective jumping-droplet condensation in tubes. 2017, 114, 1025-1036	18
146	Self-propelled dropwise condensation on a gradient surface. 2017 , 114, 419-429	17
145	Characterization of Coalescence-Induced Droplet Jumping Height on Hierarchical Superhydrophobic Surfaces. 2017 , 2, 2883-2890	25
144	Electric Field B ased Control and Enhancement of Boiling and Condensation. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2017 , 21, 102-121	39

143	A Review of Condensation Frosting. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2017 , 21, 81-10 1	95
142	External convective jumping-droplet condensation on a flat plate. 2017 , 107, 74-88	25
141	Film condensation of steam flowing on a hydrophobic surface. 2017 , 107, 307-318	27
140	Mathematical Modeling And Numerical Simulation of Dropwise Condensation on an Inclined Circular Tube. 2017 , 9, 476-488	9
139	Suppressing Ice Nucleation of Supercooled Condensate with Biphilic Topography. 2018 , 120, 075902	59
138	Thin Film Condensation on Nanostructured Surfaces. 2018 , 28, 1707000	42
137	A Numerical Study on Electrowetting-Induced Droplet Detachment From Hydrophobic Surface. 2018 , 140,	7
136	Dynamic wettability evaluation of nanoparticles-coated surfaces. 2018 , 92, 231-242	8
135	Heat transfer coefficients during the condensation of low mass fluxes in smooth horizontal tubes. 2018 , 99, 485-499	30
134	Liquid-Vapor Phase-Change Heat Transfer on Functionalized Nanowired Surfaces and Beyond. 2018 , 2, 2307-2347	86
133	Capillary-Enhanced Filmwise Condensation in Porous Media. 2018, 34, 13855-13863	13
132	Nano-structured aluminum surfaces for dropwise condensation. 2018 , 348, 1-12	30
131	Rationally 3D-Textured Copper Surfaces for Laplace Pressure Imbalance-Induced Enhancement in Dropwise Condensation. 2018 , 10, 29127-29135	61
130	Effect of the surface wettability changes on nanostructured polymer film for heat exchanger applications. 2018 , 113, 011601	2
129	Film and Dropwise Condensation. 2018, 2031-2074	
128	Multiscale Dynamic Growth and Energy Transport of Droplets during Condensation. 2018 , 34, 9085-9095	21
127	Condensation Heat-Transfer Performance of Thermally Stable Superhydrophobic Cerium-Oxide Surfaces. 2018 , 10, 31765-31776	19
126	Bio-Inspired Superhydrophobic Closely Packed Aligned Nanoneedle Architectures for Enhancing Condensation Heat Transfer. 2018 , 28, 1800634	52

125	Electrowetting induced droplet jumping over a bump. 2019 , 32, 100538	5
124	Numerical Simulation of Jumping Droplet Condensation. 2019 , 35, 10309-10321	18
123	Stable Dropwise Condensation of Ethanol and Hexane on Rationally Designed Ultrascalable Nanostructured Lubricant-Infused Surfaces. 2019 , 19, 5287-5296	58
122	Pathways and challenges for efficient solar-thermal desalination. 2019 , 5, eaax0763	172
121	Condensation Induced Delamination of Nanoscale Hydrophobic Films. 2019 , 29, 1905222	41
120	Simulation of Drop-Size Distribution During Dropwise and Jumping Drop Condensation on a Vertical Surface: Implications for Heat Transfer Modeling. 2019 , 35, 12858-12875	11
119	Unified Modeling Framework for Thin-Film Evaporation from Micropillar Arrays Capturing Local Interfacial Effects. 2019 , 35, 12927-12935	8
118	Droplet condensation and jumping on structured superhydrophobic surfaces. 2019 , 134, 680-693	13
117	Steam Condensation Enhancement by Applying Self-Assembled Monolayer (Chlorosilane) on Titanium Corrugated Tubes. 2019 , 27, 1950009	1
116	Coupled thermal transport and mass diffusion during vapor absorption into hygroscopic liquid desiccant droplets. 2019 , 134, 1014-1023	9
115	Electrowetting-induced droplet jumping over topographically structured surfaces. 2019 , 6, 086333	4
114	Dropwise Condensation on Multiscale Bioinspired Metallic Surfaces with Nanofeatures. 2019 , 11, 24735-247	5039
113	Heat transfer during dropwise condensation of steam over a mirror polished sol-gel coated aluminum substrate. 2019 , 144, 93-106	14
112	Hemocompatibility of Super-Repellent surfaces: Current and Future. 2019 , 6, 1596-1610	15
111	Modeling condensation on structured surfaces using lattice Boltzmann method. 2019 , 136, 196-212	12
110	Modeling and Simulation of Dropwise Condensation: A Review. 2019 , 99, 157-171	10
109	Review of MicroNanoscale Surface Coatings Application for Sustaining Dropwise Condensation. 2019 , 9, 117	24
108	Effect of substrate wettability and flexibility on the initial stage of water vapor condensation. 2019 , 15, 10055-10064	1

107	Enhancing Condensation Heat Transfer on Three-Dimensional Hybrid Surfaces. 2019, 3, 2806-2823	37
106	Is dropwise condensation feasible? A review on surface modifications for continuous dropwise condensation and a profitability analysis. 2019 , 16, 1-13	38
105	Rationally Designed Nanostructure Features on Superhydrophobic Surfaces for Enhancing Self-Propelling Dynamics of Condensed Droplets. 2019 , 7, 2702-2708	21
104	Droplet Jumping: Effects of Droplet Size, Surface Structure, Pinning, and Liquid Properties. 2019 , 13, 1309-1323	64
103	Self-assembled liquid bridge confined boiling on nanoengineered surfaces. 2019 , 133, 1154-1164	13
102	Water immersion cooling of high power density electronics. 2020 , 147, 118918	27
101	Study on the thermoelectric properties of porous Bi-Te films deposited using thermal evaporation on AAO template. 2020 , 20, 400-405	7
100	Dropwise condensation on solid hydrophilic surfaces. 2020 , 6, eaax0746	68
99	Dependences of Formation and Transition of the Surface Condensation Mode on Wettability and Temperature Difference. 2020 , 36, 456-464	15
98	Development of automated angle-scanning, high-speed surface plasmon resonance imaging and SPRi visualization for the study of dropwise condensation. 2020 , 61, 1	8
97	Enhancement of a heat transfer performance on the Al6061 surface using microstructures and fluorine-doped diamond-like carbon (F-DLC) coating. 2020 , 148, 119108	6
96	Enhanced Condensation on Liquid-Infused Nanoporous Surfaces by Vibration-Assisted Droplet Sweeping. 2020 , 14, 13367-13379	15
95	Heat transfer and droplet population during dropwise condensation on durable coatings. 2020 , 179, 115718	12
94	Advances in Dropwise Condensation: Dancing Droplets. 2020 ,	O
93	Cloaking Dynamics on Lubricant-Infused Surfaces. 2020 , 7, 2000983	14
92	Evolution of nanoliter size fluid droplet on micropatterned surface. 2020 , 45, 1	
91	Optical Vapor Sensors Based on Periodic Resonant Nanopillar Structures. 2020 , 5, 25913-25918	1
90	Density Maximization of One-Step Electrodeposited Copper Nanocones and Dropwise Condensation Heat-Transfer Performance Evaluation. 2020 , 12, 24512-24520	20

(2021-2020)

89	A perspective on the current and future roles of additive manufacturing in process engineering, with an emphasis on heat transfer. 2020 , 19, 100594	18
88	Depletion of Lubricant from Nanostructured Oil-Infused Surfaces by Pendant Condensate Droplets. 2020 , 14, 8024-8035	33
87	Recent developments, challenges, and pathways to stable dropwise condensation: A perspective. 2020 , 116, 260501	53
86	Brushed lubricant-impregnated surfaces (BLIS) for long-lasting high condensation heat transfer. 2020 , 10, 2959	13
85	Molecular and Topographical Organization: Influence on Cicada Wing Wettability and Bactericidal Properties. 2020 , 7, 2000112	22
84	Enhancing filmwise and dropwise condensation using a hybrid wettability contrast mechanism: Circular patterns. 2020 , 154, 119640	18
83	Condensation Enhancement on Hydrophobic Surfaces Using Electrophoretic Method and Hybrid Paint Coating. 2021 , 42, 1557-1572	2
82	Review on modelling of corrosion under droplet electrolyte for predicting atmospheric corrosion rate. 2021 , 62, 254-267	9
81	Surface characteristics and wettability of superhydrophobic silanized inorganic glass coating surfaces textured with a picosecond laser. 2021 , 537, 147808	17
80	On the deflection of the liquidNapor interface in a wicked heat pipe. 2021 , 165, 120638	O
79	Effect of steam velocity during dropwise condensation. 2021 , 165, 120624	6
78	Modeling and optimization of hydrophobic surfaces for a two-phase closed thermosyphon. 2021 , 165, 120680	5
77	Solution-processed graphene oxide coatings for enhanced heat transfer during dropwise condensation of steam. 2021 , 2, 61-71	2
76	Copper-Based Superhydrophobic Nanostructures for Heat Transfer in Flow Condensation. 2021 , 4, 1719-1732	7
75	Investigation of Dropwise Condensation on a Super-Aligned Carbon Nanotube Mesh-Coated Surface. 2021 , 37, 2629-2638	1
74	Applications of superhydrophobic coatings in anti-icing: Theory, mechanisms, impact factors, challenges and perspectives. 2021 , 152, 106117	25
73	Experimental study of steam and steamBir mixture condensation over vertical chrome-plated tube and polished tube exterior surface. 2021 , 373, 111029	0
72	Filling Ratio Optimization for High-Performance Nanoengineered Copper-Water Heat Pipes. 2021 , 13,	2

71	Wetting and corrosion characteristics of thermally sprayed copper-graphene nanoplatelet coatings for enhanced dropwise condensation application. 2021 , 3, 100018	2
70	Filmwise Condensation From Humid Air on a Vertical Superhydrophilic Surface: Explicit Roles of the Humidity Ratio Difference and the Degree of Subcooling. 2021 , 143,	1
69	Lubricant-Infused Surfaces for Low-Surface-Tension Fluids: The Extent of Lubricant Miscibility. 2021 , 13, 23121-23133	11
68	Superhydrophobic heat exchangers delay frost formation and enhance efficency of electric vehicle heat pumps. 2021 , 172, 121162	13
67	Coupling droplets/bubbles with a liquid film for enhancing phase-change heat transfer. 2021 , 24, 102531	3
66	Dropwise condensation of low surface tension fluids on lubricant-infused surfaces: Droplet size distribution and heat transfer. 2021 , 172, 121149	21
65	Elucidating the Mechanism of Condensation-Mediated Degradation of Organofunctional Silane Self-Assembled Monolayer Coatings. 2021 , 13, 34923-34934	10
64	Technoeconomic analysis of thermoelectric power plant condensers with nonwetting surfaces. 2021 , 227, 120450	5
63	Ultrathin Lubricant-Infused Vertical Graphene Nanoscaffolds for High-Performance Dropwise Condensation. 2021 , 15, 14305-14315	5
62	Few-layer graphene on nickel enabled sustainable dropwise condensation. 2021 , 66, 1877-1884	7
61	How Different Are Fog Collection and Dew Water Harvesting on Surfaces with Different Wetting Behaviors?. 2021 , 13, 48322-48332	7
60		7
	Behaviors?. 2021 , 13, 48322-48332 Dynamics of water condensation on a switchable surface originated from molecular orientations.	7 0
60	Dynamics of water condensation on a switchable surface originated from molecular orientations. 2021, 104, 034701 Highly thermally conductive Ag/SiO2 superhydrophobic coating for accelerated dropwise	
60 59	Dynamics of water condensation on a switchable surface originated from molecular orientations. 2021 , 104, 034701 Highly thermally conductive Ag/SiO2 superhydrophobic coating for accelerated dropwise condensation. 2021 , 47, 26528-26538	
60 59 58	Dynamics of water condensation on a switchable surface originated from molecular orientations. 2021, 104, 034701 Highly thermally conductive Ag/SiO2 superhydrophobic coating for accelerated dropwise condensation. 2021, 47, 26528-26538 A theoretical study of condensation heat transfer in tubes with novel cross-sections. 2021, 28, 101075 Dropwise condensation: From fundamentals of wetting, nucleation, and droplet mobility to	0
60595857	Dynamics of water condensation on a switchable surface originated from molecular orientations. 2021, 104, 034701 Highly thermally conductive Ag/SiO2 superhydrophobic coating for accelerated dropwise condensation. 2021, 47, 26528-26538 A theoretical study of condensation heat transfer in tubes with novel cross-sections. 2021, 28, 101075 Dropwise condensation: From fundamentals of wetting, nucleation, and droplet mobility to performance improvement by advanced functional surfaces. 2021, 295, 102503 Advances in modeling investigations of multimode dropwise condensation heat transfer on smooth	o 7

53	Coalescence-induced nanodroplet jumping. 2016 , 1,	98
52	Instability and dynamics of volatile thin films. 2018 , 3,	4
51	Dropwise Condensation 2019 Max Jakob Memorial Award Paper. 2020 , 142,	2
50	Optimization of Hybrid Sol-Gel Coating for Dropwise Condensation of Pure Steam. 2020 , 13,	5
49	Nonlinear dynamics of dewetting thin films. 2020 , 5, 4229-4259	3
48	Recent advances in biomimetic surfaces inspired by creatures for fog harvesting. 2021 , 45, 21125-21150	1
47	Improving heat and mass transfer rates through continuous drop-wise condensation. 2021, 11, 19636	1
46	Enhanced Water Nucleation and Growth Based on Microdroplet Mobility on Lubricant-Infused Surfaces. 2021 , 37, 12790-12801	2
45	Film and Dropwise Condensation. 2017 , 1-44	
44	Enhancing Condensation Heat Transfer on Three-Dimensional Hybrid Surfaces.	
44	Enhancing Condensation Heat Transfer on Three-Dimensional Hybrid Surfaces. Heat and Mass Transfer in the Food, Energy, and Water Nexus Review. 2020, 142,	1
		1 0
43	Heat and Mass Transfer in the Food, Energy, and Water Nexus Review. 2020 , 142, Heat Transfer Enhancement During Dropwise Condensation Over Wettability-Controlled Surfaces.	
43	Heat and Mass Transfer in the Food, Energy, and Water Nexus Review. 2020, 142, Heat Transfer Enhancement During Dropwise Condensation Over Wettability-Controlled Surfaces. 2022, 29-67 Condensation of Humid Air on Superhydrophobic Surfaces: Effect of Nanocoatings on a Hierarchical	0
43 42 41	Heat and Mass Transfer in the Food, Energy, and Water Nexus Review. 2020, 142, Heat Transfer Enhancement During Dropwise Condensation Over Wettability-Controlled Surfaces. 2022, 29-67 Condensation of Humid Air on Superhydrophobic Surfaces: Effect of Nanocoatings on a Hierarchical Interface. 2021, 37, 12767-12780	0
43 42 41 40	Heat and Mass Transfer in the Food, Energy, and Water Nexus Review. 2020, 142, Heat Transfer Enhancement During Dropwise Condensation Over Wettability-Controlled Surfaces. 2022, 29-67 Condensation of Humid Air on Superhydrophobic Surfaces: Effect of Nanocoatings on a Hierarchical Interface. 2021, 37, 12767-12780 Introduction. 2020, 1-25	0
43 42 41 40 39	Heat and Mass Transfer in the Food, Energy, and Water Nexus Review. 2020, 142, Heat Transfer Enhancement During Dropwise Condensation Over Wettability-Controlled Surfaces. 2022, 29-67 Condensation of Humid Air on Superhydrophobic Surfaces: Effect of Nanocoatings on a Hierarchical Interface. 2021, 37, 12767-12780 Introduction. 2020, 1-25 Introduction to Micropatterned Surfaces. 2020, 1-11	0

35	Monte-Carlo evaluation of bias and variance in Hurst exponents computed from power spectral analysis of atomic force microscopy topographic images. 2022 , 581, 152092	O
34	Review of heat transfer enhancement techniques in two-phase flows for highly efficient and sustainable cooling. 2022 , 155, 111896	2
33	Condensation-Controlled Toposelective Vapor Deposition in Nano- and Microcavities: Theory, Methods, Applications, and Related Technologies. 2101314	1
32	Robust Silane Self-Assembled Monolayer Coatings on Plasma-Engineered Copper Surfaces Promoting Dropwise Condensation.	
31	Effects of Surface Wettability on Condensation with Impermeable and Microporous Surfaces.	
30	Numerical scrutinization of dropwise condensation heat transfer on an inclined surface.	
29	Quantification of Nucleation Site Density as a Function of Surface Wettability on Smooth Surfaces. 2200246	0
28	Superhydrophobic heat exchangers delay frost formation and reduce defrost energy input of aircraft environmental control systems. 2022 , 189, 122669	4
27	Enhanced Condensation on Soft Materials through Bulk Lubricant Infusion. 2109633	1
26	Characterization of condensation on nanostructured surfaces and associated thermal hydraulics using a thermal lattice Boltzmann method 2022 , 105, 045308	1
25	Exploring the limits of condensation heat transfer: A numerical study of microscale-confined condensation between parallel surfaces having wetting contrast. 2022 , 193, 122758	0
24	Effects of Surface Wettability on Condensation with Impermeable and Microporous Surfaces.	
23	Robust silane self-assembled monolayer coatings on plasma-engineered copper surfaces promoting dropwise condensation. 2022 , 194, 123028	1
22	Droplet dynamics and heat transfer enhancement via dropwise condensation on helically-finned hydrophobic tube. 2022 , 135, 106153	O
21	Efficient Water Harvesting Enabled by Porous Architecture-Containing Hybrid Surfaces.	0
20	The advent of thermoplasmonic membrane distillation. 2022 , 51, 6087-6125	6
19	Dropwise condensation mechanisms when varying vapor velocity. 2022 , 119021	0
18	Organic/inorganic hybrid cerium oxide-based superhydrophobic surface with enhanced weather resistance and self-recovery. 2022 , 170, 106998	O

CITATION REPORT

17	Numerical simulation of the coalescence-induced polymeric droplet jumping on superhydrophobic surfaces. 2022 , 307, 104872	
16	Ultrathin Durable Organic Hydrophobic Coatings Enhancing Dropwise Condensation Heat Transfer. 2022 , 38, 11296-11303	1
15	On the nature and propagation of errors in roughness parameters obtained from spectral analysis of atomic force microscopy topographic images. 2022 , 40, 053204	О
14	Coalescence-induced jumping of droplets from superhydrophobic surfaces The effect of contact-angle hysteresis. 2022 , 34, 113302	O
13	Influence of jumping-droplet condensation on the properties of separated flow in an air-cooled condenser tube: An Euler-Lagrange approach. 095765092211386	О
12	Advances in micro and nanoengineered surfaces for enhancing boiling and condensation heat transfer: a review.	3
11	Synergistic effect of helically-finned directional tracks and lubricant viscosity on droplet dynamics and condensation heat transfer of bioinspired slippery surfaces. 2023 , 203, 123757	О
10	Durable and regenerative superhydrophobic surface using porous nanochannels. 2022 , 140527	1
9	Out-of-Plane Biphilic Surface Structuring for Enhanced Capillary-Driven Dropwise Condensation.	0
8	Sustainble dropwise condensation enabled ultraefficient heat pipes. 2023 , 2,	О
7	Staying Dry and Clean: An Insect® Guide to Hydrophobicity. 2023 , 14, 42	0
6	Etching-enabled ultra-scalable micro and nanosculpturing of metal surfaces for enhanced thermal performance. 2023 , 122, 031603	О
5	Enhanced internal condensation of R1233zd(E) on micro- and nanostructured copper and aluminum surfaces. 2023 , 207, 124012	0
4	Enhanced refrigerant flow boiling heat transfer in microstructured finned surfaces. 2023 , 207, 123999	O
3	Effect of meniscus curvature on phase-change performance during capillary-enhanced filmwise condensation in porous media. 3,	0
2	Efficient Anti-Frosting on Discrete Nanoclusters via Spatiotemporal Control of Condensation Frosting Dynamics. 2023 , 142991	O
1	Dropwise Condensation in Ambient on a Depleted Lubricant-Infused Surface.	O