

Hans-Juergen Butt

List of Publications by Year in descending order

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Version: 2024-02-01

552
papers

37,201
citations

4345

89
h-index

5244

171
g-index

582
all docs

582
docs citations

582
times ranked

34954
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling supraparticle shape and structure by tuning colloidal interactions. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1661-1670.	5.0	15
2	Light-induced assembly of colloidal nanoparticles based on photo-controlled metal–ligand coordination. , 2022, 1, 100004.		10
3	Charging of drops impacting onto superhydrophobic surfaces. <i>Soft Matter</i> , 2022, 18, 1628-1635.	1.2	12
4	Fabrication of Stretchable Superamphiphobic Surfaces with Deformation-Induced Rearrangeable Structures. <i>Advanced Materials</i> , 2022, 34, e2107901.	11.1	27
5	Fluorescence Correlation Spectroscopy Monitors the Fate of Degradable Nanocarriers in the Blood Stream. <i>Biomacromolecules</i> , 2022, 23, 1065-1074.	2.6	15
6	Contact angle hysteresis. <i>Current Opinion in Colloid and Interface Science</i> , 2022, 59, 101574.	3.4	81
7	Ionic Conductivity of a Solid Polymer Electrolyte Confined in Nanopores. <i>Macromolecules</i> , 2022, 55, 1332-1341.	2.2	11
8	Shining Light on Polymeric Drug Nanocarriers with Fluorescence Correlation Spectroscopy. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100892.	2.0	16
9	Adaptation and Recovery of a Styrene–Acrylic Acid Copolymer Surface to Water. <i>Macromolecular Rapid Communications</i> , 2022, , 2100733.	2.0	2
10	Ordering kinetics of a tapered copolymer based on isoprene and styrene. <i>Journal of Chemical Physics</i> , 2022, 156, 134904.	1.2	3
11	Enhanced Condensation on Soft Materials through Bulk Lubricant Infusion. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	10
12	Spontaneous charging affects the motion of sliding drops. <i>Nature Physics</i> , 2022, 18, 713-719.	6.5	62
13	Enhanced Condensation on Soft Materials through Bulk Lubricant Infusion (<i>Adv. Funct. Mater.</i>) Tj ETQq1 1 0.784314.rgBT /OVerlock 1	7.8	10
14	Tuning the Charge of Sliding Water Drops. <i>Langmuir</i> , 2022, 38, 6224-6230.	1.6	10
15	Red-Light-Responsive Metallopolymer Nanocarriers with Conjugated and Encapsulated Drugs for Phototherapy Against Multidrug-Resistant Tumors. <i>Small</i> , 2022, 18, .	5.2	9
16	Vapor Lubrication for Reducing Water and Ice Adhesion on Poly(dimethylsiloxane) Brushes. <i>Advanced Materials</i> , 2022, 34, .	11.1	17
17	The challenge of lubricant-replenishment on lubricant-impregnated surfaces. <i>Advances in Colloid and Interface Science</i> , 2021, 287, 102329.	7.0	56
18	Water Mobility in the Interfacial Liquid Layer of Ice/Clay Nanocomposites. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7697-7702.	7.2	11

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19	WassermobilitÄt in der grenzflÄcheninduzierten Schmelzschicht von Eis/TonmineralÄNanokompositen. <i>Angewandte Chemie</i> , 2021, 133, 7775-7781.	1.6	1
20	Adaptation of a StyreneÄAcrylic Acid Copolymer Surface to Water. <i>Langmuir</i> , 2021, 37, 1571-1577.	1.6	12
21	WettingÄEmpowered Surface Functions for Engineering Applications. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001914.	1.9	3
22	How a water drop removes a particle from a hydrophobic surface. <i>Soft Matter</i> , 2021, 17, 1746-1755.	1.2	16
23	Designing the shape of supraparticles by controlling the apparent contact angle and contact line friction of droplets. <i>Journal of Colloid and Interface Science</i> , 2021, 588, 157-163.	5.0	11
24	Electrospun nanocomposite fibers from lignin and iron oxide as supercapacitor material. <i>Journal of Materials Research and Technology</i> , 2021, 12, 2153-2167.	2.6	25
25	Irregular, nanostructured superhydrophobic surfaces: Local wetting and slippage monitored by fluorescence correlation spectroscopy. <i>Physical Review Fluids</i> , 2021, 6, .	1.0	10
26	OneÄStep Synthesis of a Durable and LiquidÄRepellent Poly(dimethylsiloxane) Coating. <i>Advanced Materials</i> , 2021, 33, e2100237.	11.1	77
27	Capillary Torque on a Particle Rotating at an Interface. <i>Langmuir</i> , 2021, 37, 7457-7463.	1.6	9
28	Fabrication of Anticounterfeiting Nanocomposites with Multiple Security Features via Integration of a Photoresponsive Polymer and Upconverting Nanoparticles. <i>Advanced Functional Materials</i> , 2021, 31, 2103908.	7.8	82
29	Adsorption Kinetics of <i>cis</i> -1,4-Polyisoprene in Nanopores by <i>In Situ</i> Nanodielectric Spectroscopy. <i>Macromolecules</i> , 2021, 54, 6267-6274.	2.2	18
30	ÄLiquid-likeÄWater in Clathrates Induced by HostÄGuest Hydrogen Bonding. <i>Journal of Physical Chemistry C</i> , 2021, 125, 15751-15757.	1.5	11
31	Optical Manipulation of Liquids by Thermal Marangoni Flow along the AirÄWater Interfaces of a Superhydrophobic Surface. <i>Langmuir</i> , 2021, 37, 8677-8686.	1.6	10
32	RuÄSe Coordination: A New Dynamic Bond for Visible-Light-Responsive Materials. <i>Journal of the American Chemical Society</i> , 2021, 143, 12736-12744.	6.6	36
33	Fluorescence correlation spectroscopy to unravel the interactions between macromolecules in wine. <i>Food Chemistry</i> , 2021, 352, 129343.	4.2	10
34	Real-time monitoring of biomechanical activity in aphids by laser speckle contrast imaging. <i>Optics Express</i> , 2021, 29, 28461.	1.7	3
35	Clathrate Adhesion Induced by Quasi-Liquid Layer. <i>Journal of Physical Chemistry C</i> , 2021, 125, 21293-21300.	1.5	18
36	Wetting of the tarsal adhesive fluid determines underwater adhesion in ladybug beetles. <i>Journal of Experimental Biology</i> , 2021, 224, .	0.8	1

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37	Super liquid repellent surfaces for anti-foaming and froth management. Nature Communications, 2021, 12, 5358.	5.8	20
38	Interactions between a responsive microgel monolayer and a rigid colloid: from soft to hard interfaces. Physical Chemistry Chemical Physics, 2021, 23, 16754-16766.	1.3	6
39	Self-Recovery Superhydrophobic Surfaces. , 2021, , 39-61.		0
40	Flow profiles near receding three-phase contact lines: influence of surfactants. Soft Matter, 2021, 17, 10090-10100.	1.2	2
41	The Force Required to Detach a Rotating Particle from a Liquidâ€œFluid Interface. Langmuir, 2021, 37, 13012-13017.	1.6	6
42	Flash Brillouin Scattering: A Confocal Technique for Measuring Glass Transitions at High Scan Rates. ACS Photonics, 2021, 8, 531-539.	3.2	4
43	Stable Lignin-Rich Nanofibers for Binder-Free Carbon Electrodes in Supercapacitors. ACS Applied Nano Materials, 2021, 4, 13099-13111.	2.4	12
44	Tapered copolymers of styrene and 4â€œvinylbenzocyclobutene via carbanionic polymerization for crosslinkable polymer films. Journal of Polymer Science, 2020, 58, 181-192.	2.0	4
45	Entangled Azobenzeneâ€œContaining Polymers with Photoinduced Reversible Solidâ€œtoâ€œLiquid Transitions for Healable and Reprocessable Photoactuators. Advanced Functional Materials, 2020, 30, 1906752.	7.8	82
46	Reconfigurable Surfaces Based on Photocontrolled Dynamic Bonds. Advanced Functional Materials, 2020, 30, 1907605.	7.8	27
47	Solarâ€œThermal Energy Conversion and Storage Using Photoresponsive Azobenzeneâ€œContaining Polymers. Macromolecular Rapid Communications, 2020, 41, e1900413.	2.0	49
48	Brownian Diffusion of Individual Janus Nanoparticles at Water/Oil Interfaces. ACS Nano, 2020, 14, 10095-10103.	7.3	22
49	Photocontrolled Reconfigurable Surfaces: Reconfigurable Surfaces Based on Photocontrolled Dynamic Bonds (Adv. Funct. Mater. 26/2020). Advanced Functional Materials, 2020, 30, 2070174.	7.8	0
50	Toward Passive Defrosting with Heterogeneous Coatings. Matter, 2020, 3, 981-983.	5.0	7
51	Fighting against Drugâ€œResistant Tumors using a Dualâ€œResponsive Pt(IV)/Ru(II) Bimetallic Polymer. Advanced Materials, 2020, 32, e2004766.	11.1	89
52	Interfacial Interactions During <i>In Situ</i> Polymer Imbibition in Nanopores. Physical Review Letters, 2020, 125, 127802.	2.9	25
53	Long Alkyl Side Chains Simultaneously Improve Mechanical Robustness and Healing Ability of a Photoswitchable Polymer. Macromolecules, 2020, 53, 8562-8569.	2.2	30
54	Onset of Elasto-capillary Bundling of Micropillar Arrays: A Direct Visualization. Langmuir, 2020, 36, 11581-11588.	1.6	8

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55	Shape-Designable Polyhedral Liquid Marbles/Plasticines Stabilized with Polymer Plates. <i>Advanced Materials Interfaces</i> , 2020, 7, 2001573.	1.9	21
56	Anisotropic carrier diffusion in single MAPbI ₃ grains correlates to their twin domains. <i>Energy and Environmental Science</i> , 2020, 13, 4168-4177.	15.6	27
57	How Universal Is the Wetting Aging in 2D Materials. <i>Nano Letters</i> , 2020, 20, 5670-5677.	4.5	22
58	Adaptive Wetting of Polydimethylsiloxane. <i>Langmuir</i> , 2020, 36, 7236-7245.	1.6	50
59	Nanostructured polymer assemblies stabilize photoactivatable anticancer ruthenium complexes under physiological conditions. <i>Journal of Inorganic Biochemistry</i> , 2020, 207, 111052.	1.5	9
60	Submicrometer-Sized Roughness Suppresses Bacteria Adhesion. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 21192-21200.	4.0	77
61	Versatile high-speed confocal microscopy using a single laser beam. <i>Review of Scientific Instruments</i> , 2020, 91, 033706.	0.6	4
62	Grafting Silicone at Room Temperature—a Transparent, Scratch-resistant Nonstick Molecular Coating. <i>Langmuir</i> , 2020, 36, 4416-4431.	1.6	76
63	Premelting-Induced Agglomeration of Hydrates: Theoretical Analysis and Modeling. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 14599-14606.	4.0	24
64	Microdroplet Contaminants: When and Why Superamphiphobic Surfaces Are Not Self-Cleaning. <i>ACS Nano</i> , 2020, 14, 3836-3846.	7.3	47
65	Metallopolymer Organohydrogels with Photo-Controlled Coordination Crosslinks Work Properly Below 0 °C. <i>Advanced Materials</i> , 2020, 32, e1908324.	11.1	53
66	When and how self-cleaning of superhydrophobic surfaces works. <i>Science Advances</i> , 2020, 6, eaaw9727.	4.7	242
67	Probing Nanoparticle/Membrane Interactions by Combining Amphiphilic Diblock Copolymer Assembly and Plasmonics. <i>Journal of Physical Chemistry B</i> , 2020, 124, 742-750.	1.2	7
68	Multiband Hypersound Filtering in Two-Dimensional Colloidal Crystals: Adhesion, Resonances, and Periodicity. <i>Nano Letters</i> , 2020, 20, 1883-1889.	4.5	31
69	Surface charges as a versatile platform for emerging applications. <i>Science Bulletin</i> , 2020, 65, 1052-1054.	4.3	12
70	Elastic Superhydrophobic and Photocatalytic Active Films Used as Blood Repellent Dressing. <i>Advanced Materials</i> , 2020, 32, e1908008.	11.1	129
71	Tapered copolymers of styrene and 4-vinylbenzocyclobutene via carbanionic polymerization for crosslinkable polymer films. <i>Journal of Polymer Science</i> , 2020, 58, 181-192.	2.0	0
72	Shuffling gait motion of an aerodynamically driven wall-bound drop. <i>Physical Review Fluids</i> , 2020, 5, .	1.0	6

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73	Formation, Deformation, Rolling and Sliding of Particles and Particle Aggregates: Mechanisms and Applications. , 2019, , 89-114.		0
74	Optimizing Hydrophobicity and Photocatalytic Activity of PDMS-Coated Titanium Dioxide. ACS Applied Materials & Interfaces, 2019, 11, 27422-27425.	4.0	62
75	Light-Switchable Polymer Adhesive Based on Photoinduced Reversible Solid-to-Liquid Transitions. ACS Macro Letters, 2019, 8, 968-972.	2.3	107
76	Surface charge printing for programmed droplet transport. Nature Materials, 2019, 18, 936-941.	13.3	401
77	Effects of Spacers on Photoinduced Reversible Solid-to-Liquid Transitions of Azobenzene-Containing Polymers. Chemistry - A European Journal, 2019, 25, 10946-10953.	1.7	41
78	Two-Stage Collapse of PNIPAM Brushes: Viscoelastic Changes Revealed by an Interferometric Laser Technique. Langmuir, 2019, 35, 15776-15783.	1.6	2
79	Slide electrification: charging of surfaces by moving water drops. Soft Matter, 2019, 15, 8667-8679.	1.2	66
80	Responsive Ionogel Surface with Renewable Antibiofouling Properties. Macromolecular Rapid Communications, 2019, 40, e1900395.	2.0	13
81	In Situ Monitoring of the Imbibition of Poly(<i>n</i> -butyl methacrylates) in Nanoporous Alumina by Dielectric Spectroscopy. Macromolecules, 2019, 52, 8167-8176.	2.2	16
82	Surface Premelting and Interfacial Interactions of Semi-Clathrate Hydrate. Journal of Physical Chemistry C, 2019, 123, 24080-24086.	1.5	19
83	Control of Droplet Evaporation on Oil-Coated Surfaces for the Synthesis of Asymmetric Supraparticles. Langmuir, 2019, 35, 14042-14048.	1.6	29
84	Direct Observation of Gas Meniscus Formation on a Superhydrophobic Surface. ACS Nano, 2019, 13, 2246-2252.	7.3	13
85	Porous supraparticle assembly through self-lubricating evaporating colloidal ouzo drops. Nature Communications, 2019, 10, 478.	5.8	61
86	Preparation of Monodisperse Giant Unilamellar Anchored Vesicles Using Micropatterned Hydrogel Substrates. ACS Omega, 2019, 4, 9393-9399.	1.6	14
87	Surfactants Mediate the Dewetting of Acrylic Polymer Films Commonly Applied to Works of Art. ACS Applied Materials & Interfaces, 2019, 11, 27288-27296.	4.0	12
88	Removal of Surface Oxygen Vacancies Increases Conductance Through TiO ₂ Thin Films for Perovskite Solar Cells. Journal of Physical Chemistry C, 2019, 123, 13458-13466.	1.5	54
89	Brillouin light scattering under one-dimensional confinement: Symmetry and interference self-canceling. Physical Review B, 2019, 99, .	1.1	10
90	Segregation in Drying Binary Colloidal Droplets. ACS Nano, 2019, 13, 4972-4979.	7.3	81

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91	Polyhedral Liquid Marbles. <i>Advanced Functional Materials</i> , 2019, 29, 1808826.	7.8	64
92	Flow-Induced Long-Term Stable Slippery Surfaces. <i>Advanced Science</i> , 2019, 6, 1900019.	5.6	34
93	Crystallization and Dynamics of Water Confined in Model Mesoporous Silica Particles: Two Ice Nuclei and Two Fractions of Water. <i>Langmuir</i> , 2019, 35, 5890-5901.	1.6	34
94	Shaping the Assembly of Superparamagnetic Nanoparticles. <i>ACS Nano</i> , 2019, 13, 3015-3022.	7.3	64
95	The role of surface forces in mineral flotation. <i>Current Opinion in Colloid and Interface Science</i> , 2019, 44, 143-152.	3.4	27
96	Tuning the Porosity of Supraparticles. <i>ACS Nano</i> , 2019, 13, 13949-13956.	7.3	55
97	Bubbles nucleating on superhydrophobic micropillar arrays under flow. <i>Soft Matter</i> , 2019, 15, 8175-8183.	1.2	8
98	Elastic wave propagation in smooth and wrinkled stratified polymer films. <i>Nanotechnology</i> , 2019, 30, 045709.	1.3	6
99	How to Coat the Inside of Narrow and Long Tubes with a Super-Liquid-Repellent Layer? A Promising Candidate for Antibacterial Catheters. <i>Advanced Materials</i> , 2019, 31, e1801324.	11.1	65
100	Effect of particle morphology on mechanical properties of liquid marbles. <i>Advanced Powder Technology</i> , 2019, 30, 330-335.	2.0	30
101	Hierarchical Structures for Superhydrophobic and Superoleophobic Surfaces. <i>Langmuir</i> , 2019, 35, 10689-10703.	1.6	105
102	Liquid-Repellent Metal Oxide Photocatalysts. <i>Chemistry - A European Journal</i> , 2019, 25, 4535-4542.	1.7	8
103	Forced dynamic dewetting of structured surfaces: Influence of surfactants. <i>Physical Review Fluids</i> , 2019, 4, .	1.0	2
104	Ultrafast Processing of Hierarchical Nanotexture for a Transparent Superamphiphobic Coating with Extremely Low Roll-Off Angle and High Impalement Pressure. <i>Advanced Materials</i> , 2018, 30, e1706529.	11.1	117
105	Theory on Capillary Filling of Polymer Melts in Nanopores. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800087.	2.0	39
106	Engineering Proteins at Interfaces: From Complementary Characterization to Material Surfaces with Designed Functions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12626-12648.	7.2	40
107	Engineering von Proteinen an Oberflächen: Von komplementärer Charakterisierung zu Materialoberflächen mit maßgeschneiderten Funktionen. <i>Angewandte Chemie</i> , 2018, 130, 12806-12830.	1.6	3
108	Capillary Imbibition of Polymer Mixtures in Nanopores. <i>Macromolecules</i> , 2018, 51, 3059-3065.	2.2	21

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109	The application of atomic force microscopy in mineral flotation. <i>Advances in Colloid and Interface Science</i> , 2018, 256, 373-392.	7.0	108
110	Molecular Probe Diffusion in Thin Polymer Films: Evidence for a Layer with Enhanced Mobility Far above the Glass Temperature. <i>ACS Macro Letters</i> , 2018, 7, 425-430.	2.3	15
111	Orthogonal photo-switching of supramolecular patterned surfaces. <i>Chemical Communications</i> , 2018, 54, 3403-3406.	2.2	27
112	Nano-mechanical Behavior of Calcium Silicate Hydrate and Calcium Hydroxide in Cement Paste: Elevated Peak-Force Study. <i>International Journal of Civil Engineering</i> , 2018, 16, 273-280.	0.9	5
113	How drops start sliding over solid surfaces. <i>Nature Physics</i> , 2018, 14, 191-196.	6.5	240
114	Adsorption and Crystallization of Particles at the Air-Water Interface Induced by Minute Amounts of Surfactant. <i>Langmuir</i> , 2018, 34, 15526-15536.	1.6	22
115	Monitoring drug nanocarriers in human blood by near-infrared fluorescence correlation spectroscopy. <i>Nature Communications</i> , 2018, 9, 5306.	5.8	55
116	Reconfiguring surface functions using visible-light-controlled metal-ligand coordination. <i>Nature Communications</i> , 2018, 9, 3842.	5.8	59
117	Wetting of soft superhydrophobic micropillar arrays. <i>Soft Matter</i> , 2018, 14, 7429-7434.	1.2	34
118	Detaching Microparticles from a Liquid Surface. <i>Physical Review Letters</i> , 2018, 121, 048002.	2.9	27
119	Redox-Responsive and Thermo-responsive Supramolecular Nanosheet Gels with High Young's Moduli. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800282.	2.0	8
120	Adaptive Wetting-Adaptation in Wetting. <i>Langmuir</i> , 2018, 34, 11292-11304.	1.6	66
121	Red-Light-Controlled Release of Drug-Ru Complex Conjugates from Metallopolymer Micelles for Phototherapy in Hypoxic Tumor Environments. <i>Advanced Functional Materials</i> , 2018, 28, 1804227.	7.8	82
122	Solvent-Dependent Light-Induced Structures in Gem-Dichlorocyclopropanated Polybutadiene Solutions. <i>Journal of Physical Chemistry B</i> , 2018, 122, 6995-7001.	1.2	0
123	Wetting over pre-existing liquid films. <i>Physical Review Fluids</i> , 2018, 3, .	1.0	9
124	CO ₂ Capture: Enhancing CO ₂ Capture using Robust Superomniphobic Membranes (<i>Adv. Mater.</i> 5/2017). <i>Advanced Materials</i> , 2017, 29, .	11.1	2
125	Self-wrapping of an ouzo drop induced by evaporation on a superamphiphobic surface. <i>Soft Matter</i> , 2017, 13, 2749-2759.	1.2	47
126	Controlling the Structure of Supraballs by pH-Responsive Particle Assembly. <i>Langmuir</i> , 2017, 33, 1995-2002.	1.6	32

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127	Stable Hydrophobic Metal-Oxide Photocatalysts via Grafting Polydimethylsiloxane Brush. <i>Advanced Materials</i> , 2017, 29, 1604637.	11.1	164
128	Near-infrared photochemistry at interfaces based on upconverting nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 23585-23596.	1.3	43
129	Shape of a sessile drop on a flat surface covered with a liquid film. <i>Soft Matter</i> , 2017, 13, 3760-3767.	1.2	40
130	A Photocatalytically Active Lubricant-Impregnated Surface. <i>Angewandte Chemie</i> , 2017, 129, 5047-5051.	1.6	9
131	Energy Dissipation of Moving Drops on Superhydrophobic and Superoleophobic Surfaces. <i>Langmuir</i> , 2017, 33, 107-116.	1.6	57
132	An Amphiphilic Ruthenium Polymetallodrug for Combined Photodynamic Therapy and Photochemotherapy In Vivo. <i>Advanced Materials</i> , 2017, 29, 1603702.	11.1	218
133	Enhancing CO ₂ Capture using Robust Superomniphobic Membranes. <i>Advanced Materials</i> , 2017, 29, 1603524.	11.1	68
134	Kinetics of Light-Induced Concentration Patterns in Transparent Polymer Solutions. <i>Journal of Physical Chemistry B</i> , 2017, 121, 7180-7189.	1.2	3
135	Recent experimental advances for understanding bubble-particle attachment in flotation. <i>Advances in Colloid and Interface Science</i> , 2017, 246, 105-132.	7.0	196
136	Complex dynamics of capillary imbibition of poly(ethylene oxide) melts in nanoporous alumina. <i>Journal of Chemical Physics</i> , 2017, 146, 203320.	1.2	37
137	A Photocatalytically Active Lubricant-Impregnated Surface. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4965-4969.	7.2	72
138	A Photoresponsive Orthogonal Supramolecular Complex Based on Host-Guest Interactions. <i>Chemistry - A European Journal</i> , 2017, 23, 2628-2634.	1.7	39
139	Homogeneous Nucleation of Ice Confined in Hollow Silica Spheres. <i>Journal of Physical Chemistry B</i> , 2017, 121, 306-313.	1.2	16
140	Capillary Imbibition, Crystallization, and Local Dynamics of Hyperbranched Poly(ethylene oxide) Confined to Nanoporous Alumina. <i>Macromolecules</i> , 2017, 50, 8755-8764.	2.2	16
141	Spontaneous jumping, bouncing and trampolining of hydrogel drops on a heated plate. <i>Nature Communications</i> , 2017, 8, 905.	5.8	35
142	Effects of pH on the structure and mechanical properties of dried pH-responsive latex particles. <i>Soft Matter</i> , 2017, 13, 7562-7570.	1.2	14
143	Transfer of Materials from Water to Solid Surfaces Using Liquid Marbles. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 33351-33359.	4.0	69
144	Biological fabrication of cellulose fibers with tailored properties. <i>Science</i> , 2017, 357, 1118-1122.	6.0	35

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145	Modulation of Mitochondriotropic Properties of Cyanine Dyes by in Organello Copper-Free Click Reaction. <i>ChemBioChem</i> , 2017, 18, 1814-1818.	1.3	8
146	Initial stage sintering of polymer particles – Experiments and modelling of size-, temperature- and time-dependent contacts. <i>EPJ Web of Conferences</i> , 2017, 140, 13012.	0.1	2
147	Forced dewetting dynamics of high molecular weight surfactant solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 521, 30-37.	2.3	9
148	Photoswitching of glass transition temperatures of azobenzene-containing polymers induces reversible solid-to-liquid transitions. <i>Nature Chemistry</i> , 2017, 9, 145-151.	6.6	469
149	Forces between a stiff and a soft surface. <i>Current Opinion in Colloid and Interface Science</i> , 2017, 27, 82-90.	3.4	20
150	Thermal Characterization of Dynamic Silicon Cantilever Array Sensors by Digital Holographic Microscopy. <i>Sensors</i> , 2017, 17, 1191.	2.1	6
151	From elasticity to capillarity in soft materials indentation. <i>Physical Review Materials</i> , 2017, 1, .	0.9	47
152	Core@shell Poly(<i>n</i> -butylacrylate)@polystyrene Nanoparticles: Baroplastic Force-Responsiveness in Presence of Strong Phase Separation. <i>Macromolecular Rapid Communications</i> , 2016, 37, 584-589.	2.0	17
153	Light-Driven Delivery and Release of Materials Using Liquid Marbles. <i>Advanced Functional Materials</i> , 2016, 26, 3199-3206.	7.8	168
154	Liquid Marbles: Light-Driven Delivery and Release of Materials Using Liquid Marbles (<i>Adv. Funct. Mater.</i>) Tj ETQq0 0,0 rgBT /Overlock 10	7.8	5
155	Mechanical Properties of Highly Porous Super Liquid-Repellent Surfaces. <i>Advanced Functional Materials</i> , 2016, 26, 4914-4922.	7.8	37
156	The Cassie-Wenzel transition of fluids on nanostructured substrates: Macroscopic force balance versus microscopic density-functional theory. <i>Journal of Chemical Physics</i> , 2016, 145, 134703.	1.2	13
157	Small Structures, Big Droplets: The Role of Nanoscience in Fog Harvesting. <i>ACS Nano</i> , 2016, 10, 10627-10630.	7.3	34
158	Candle soot-based super-amphiphobic coatings resist protein adsorption. <i>Biointerphases</i> , 2016, 11, 031007.	0.6	20
159	Influence of Temperature on the Nanoadhesion of a Methyl-Terminated Thiol Monolayer: A New Insight with High-Rate Dynamic Force Spectroscopy. <i>Langmuir</i> , 2016, 32, 4500-4508.	1.6	8
160	Polarization dependence of plasmonic near-field enhanced photoemission from cross antennas. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	1.1	5
161	Interfacial Energy and Glass Temperature of Polymers Confined to Nanoporous Alumina. <i>Macromolecules</i> , 2016, 49, 7400-7414.	2.2	90
162	Effect of Poly(ethylene oxide) Architecture on the Bulk and Confined Crystallization within Nanoporous Alumina. <i>Macromolecules</i> , 2016, 49, 5945-5954.	2.2	26

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164	Influence of surfactants in forced dynamic dewetting. <i>Soft Matter</i> , 2016, 12, 7782-7791.	1.2	32
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172	Warum der Tropfen nicht hält. <i>Nachrichten Aus Der Chemie</i> , 2016, 64, 945-951.	0.0	0
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175	Stability of a Split Streptomycin Binding Aptamer. <i>Journal of Physical Chemistry B</i> , 2016, 120, 6479-6489.	1.2	11
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