Hans-Juergen Butt

List of Publications by Year in Descending Order

550 papers	30,343 citations	82 h-index	156 g-index
582 ext. papers	33,678 ext. citations	7.1 avg, IF	7.51 L-index

#	Paper	IF	Citations
550	Fabrication of Stretchable Superamphiphobic Surfaces with Deformation-Induced Rearrangeable Structures.. *Advanced Materials*, **2022**, e2107901	24	6
549	Fluorescence Correlation Spectroscopy Monitors the Fate of Degradable Nanocarriers in the Blood Stream.. *Biomacromolecules*, **2022**,	6.9	2
548	Contact angle hysteresis. *Current Opinion in Colloid and Interface Science*, **2022**, 101574	7.6	5
547	Light-induced assembly of colloidal nanoparticles based on photo-controlled metal–ligand coordination **2022**, 1, 100004		1
546	Controlling supraparticle shape and structure by tuning colloidal interactions. *Journal of Colloid and Interface Science*, **2022**, 607, 1661-1670	9.3	4
545	Shining Light on Polymeric Drug Nanocarriers with Fluorescence Correlation Spectroscopy.. *Macromolecular Rapid Communications*, **2022**, e2100892	4.8	1
544	Adaptation and Recovery of A Styrene-Acrylic Acid Copolymer Surface to Water.. *Macromolecular Rapid Communications*, **2022**, e2100733	4.8	2
543	Ordering kinetics of a tapered copolymer based on isoprene and styrene.. *Journal of Chemical Physics*, **2022**, 156, 134904	3.9	1
542	Enhanced Condensation on Soft Materials through Bulk Lubricant Infusion (Adv. Funct. Mater. 17/2022). *Advanced Functional Materials*, **2022**, 32, 2270102	15.6	
541	Tuning the Charge of Sliding Water Drops.. *Langmuir*, **2022**, 38, 6224-6230	4	1
540	Flow profiles near receding three-phase contact lines: influence of surfactants. *Soft Matter*, **2021**, 17, 10090-10100	3.6	0
539	The Force Required to Detach a Rotating Particle from a Liquid-Fluid Interface. *Langmuir*, **2021**, 37, 13012-13017	4	7
538	Flash Brillouin Scattering: A Confocal Technique for Measuring Glass Transitions at High Scan Rates. *ACS Photonics*, **2021**, 8, 531-539	6.3	2
537	Designing the shape of supraparticles by controlling the apparent contact angle and contact line friction of droplets. *Journal of Colloid and Interface Science*, **2021**, 588, 157-163	9.3	2
536	Electrospun nanocomposite fibers from lignin and iron oxide as supercapacitor material. *Journal of Materials Research and Technology*, **2021**, 12, 2153-2167	5.5	9
535	Irregular, nanostructured superhydrophobic surfaces: Local wetting and slippage monitored by fluorescence correlation spectroscopy. *Physical Review Fluids*, **2021**, 6,	2.8	1
534	One-Step Synthesis of a Durable and Liquid-Repellent Poly(dimethylsiloxane) Coating. *Advanced Materials*, **2021**, 33, e2100237	24	24

533	Capillary Torque on a Particle Rotating at an Interface. *Langmuir*, **2021**, 37, 7457-7463	4	5
532	Fabrication of Anticounterfeiting Nanocomposites with Multiple Security Features via Integration of a Photoresponsive Polymer and Upconverting Nanoparticles. *Advanced Functional Materials*, **2021**, 31, 2103908	15.6	20
531	Adsorption Kinetics of cis-1,4-Polyisoprene in Nanopores by In Situ Nanodielectric Spectroscopy. *Macromolecules*, **2021**, 54, 6267-6274	5.5	3
530	Liquid-like Water in Clathrates Induced by Host Guest Hydrogen Bonding. *Journal of Physical Chemistry C*, **2021**, 125, 15751-15757	3.8	4
529	The challenge of lubricant-replenishment on lubricant-impregnated surfaces. *Advances in Colloid and Interface Science*, **2021**, 287, 102329	14.3	16
528	Water Mobility in the Interfacial Liquid Layer of Ice/Clay Nanocomposites. *Angewandte Chemie - International Edition*, **2021**, 60, 7697-7702	16.4	3
527	Wassermobilität in der grenzflächeninduzierten Schmelzschicht von Eis/Tonmineral-Nanokompositen. *Angewandte Chemie*, **2021**, 133, 7775-7781	3.6	0
526	Adaptation of a Styrene-Acrylic Acid Copolymer Surface to Water. *Langmuir*, **2021**, 37, 1571-1577	4	6
525	How a water drop removes a particle from a hydrophobic surface. *Soft Matter*, **2021**, 17, 1746-1755	3.6	8
524	Optical Manipulation of Liquids by Thermal Marangoni Flow along the Air-Water Interfaces of a Superhydrophobic Surface. *Langmuir*, **2021**, 37, 8677-8686	4	2
523	Ru-Se Coordination: A New Dynamic Bond for Visible-Light-Responsive Materials. *Journal of the American Chemical Society*, **2021**, 143, 12736-12744	16.4	18
522	Fluorescence correlation spectroscopy to unravel the interactions between macromolecules in wine. *Food Chemistry*, **2021**, 352, 129343	8.5	5
521	Real-time monitoring of biomechanical activity in aphids by laser speckle contrast imaging. *Optics Express*, **2021**, 29, 28461-28480	3.3	0
520	Clathrate Adhesion Induced by Quasi-Liquid Layer. *Journal of Physical Chemistry C*, **2021**, 125, 21293-21300	3.8	8
519	Wetting of the tarsal adhesive fluid determines underwater adhesion in ladybird beetles. *Journal of Experimental Biology*, **2021**, 224,	3	1
518	Super liquid repellent surfaces for anti-foaming and froth management. *Nature Communications*, **2021**, 12, 5358	17.4	5
517	Interactions between a responsive microgel monolayer and a rigid colloid: from soft to hard interfaces. *Physical Chemistry Chemical Physics*, **2021**, 23, 16754-16766	3.6	0
516	Self-Recovery Superhydrophobic Surfaces **2021**, 39-61		

515	Shape-Designable Polyhedral Liquid Marbles/Plasticines Stabilized with Polymer Plates. *Advanced Materials Interfaces*, **2020**, 7, 2001573	4.6	8
514	Anisotropic carrier diffusion in single MAPbI3 grains correlates to their twin domains. *Energy and Environmental Science*, **2020**, 13, 4168-4177	35.4	13
513	How Universal Is the Wetting Aging in 2D Materials. *Nano Letters*, **2020**, 20, 5670-5677	11.5	14
512	Adaptive Wetting of Polydimethylsiloxane. *Langmuir*, **2020**, 36, 7236-7245	4	18
511	Nanostructured polymer assemblies stabilize photoactivatable anticancer ruthenium complexes under physiological conditions. *Journal of Inorganic Biochemistry*, **2020**, 207, 111052	4.2	6
510	Submicrometer-Sized Roughness Suppresses Bacteria Adhesion. *ACS Applied Materials & Interfaces*, **2020**, 12, 21192-21200	9.5	36
509	Versatile high-speed confocal microscopy using a single laser beam. *Review of Scientific Instruments*, **2020**, 91, 033706	1.7	2
508	Grafting Silicone at Room Temperature-a Transparent, Scratch-resistant Nonstick Molecular Coating. *Langmuir*, **2020**, 36, 4416-4431	4	32
507	Premelting-Induced Agglomeration of Hydrates: Theoretical Analysis and Modeling. *ACS Applied Materials & Interfaces*, **2020**, 12, 14599-14606	9.5	15
506	Microdroplet Contaminants: When and Why Superamphiphobic Surfaces Are Not Self-Cleaning. *ACS Nano*, **2020**, 14, 3836-3846	16.7	23
505	Metallopolymer Organohydrogels with Photo-Controlled Coordination Crosslinks Work Properly Below 0 °C. *Advanced Materials*, **2020**, 32, e1908324	24	30
504	When and how self-cleaning of superhydrophobic surfaces works. *Science Advances*, **2020**, 6, eaaw9727	14.3	98
503	Probing Nanoparticle/Membrane Interactions by Combining Amphiphilic Diblock Copolymer Assembly and Plasmonics. *Journal of Physical Chemistry B*, **2020**, 124, 742-750	3.4	2
502	Multiband Hypersound Filtering in Two-Dimensional Colloidal Crystals: Adhesion, Resonances, and Periodicity. *Nano Letters*, **2020**, 20, 1883-1889	11.5	20
501	Tapered copolymers of styrene and 4-vinylbenzocyclobutene via carbanionic polymerization for crosslinkable polymer films. *Journal of Polymer Science*, **2020**, 58, 181-192	2.4	
500	Shuffling gait motion of an aerodynamically driven wall-bound drop. *Physical Review Fluids*, **2020**, 5,	2.8	2
499	Entangled Azobenzene-Containing Polymers with Photoinduced Reversible Solid-to-Liquid Transitions for Healable and Reprocessable Photoactuators. *Advanced Functional Materials*, **2020**, 30, 1906752	15.6	43
498	Reconfigurable Surfaces Based on Photocontrolled Dynamic Bonds. *Advanced Functional Materials*, **2020**, 30, 1907605	15.6	10

497	Solar-Thermal Energy Conversion and Storage Using Photoresponsive Azobenzene-Containing Polymers. *Macromolecular Rapid Communications*, **2020**, 41, e1900413	4.8	25
496	Brownian Diffusion of Individual Janus Nanoparticles at Water/Oil Interfaces. *ACS Nano*, **2020**, 14, 10095-10103	15.8	38
495	Water and Ice Nucleation on Solid Surfaces **2020**, 55-85		1
494	Photocontrolled Reconfigurable Surfaces: Reconfigurable Surfaces Based on Photocontrolled Dynamic Bonds (Adv. Funct. Mater. 26/2020). *Advanced Functional Materials*, **2020**, 30, 2070174	15.6	
493	Toward Passive Defrosting with Heterogeneous Coatings. *Matter*, **2020**, 3, 981-983	12.7	2
492	Fighting against Drug-Resistant Tumors using a Dual-Responsive Pt(IV)/Ru(II) Bimetallic Polymer. *Advanced Materials*, **2020**, 32, e2004766	24	46
491	Interfacial Interactions During In Situ Polymer Imbibition in Nanopores. *Physical Review Letters*, **2020**, 125, 127802	7.4	8
490	Long Alkyl Side Chains Simultaneously Improve Mechanical Robustness and Healing Ability of a Photoswitchable Polymer. *Macromolecules*, **2020**, 53, 8562-8569	5.5	11
489	Onset of Elasto-capillary Bundling of Micropillar Arrays: A Direct Visualization. *Langmuir*, **2020**, 36, 11581-11588	4	9
488	Tapered copolymers of styrene and 4-vinylbenzocyclobutene via carbanionic polymerization for crosslinkable polymer films. *Journal of Polymer Science*, **2020**, 58, 181-192	2.4	2
487	Surface charges as a versatile platform for emerging applications. *Science Bulletin*, **2020**, 65, 1052-1054	10.6	9
486	Elastic Superhydrophobic and Photocatalytic Active Films Used as Blood Repellent Dressing. *Advanced Materials*, **2020**, 32, e1908008	24	57
485	Responsive Ionogel Surface with Renewable Antibiofouling Properties. *Macromolecular Rapid Communications*, **2019**, 40, e1900395	4.8	8
484	In Situ Monitoring of the Imbibition of Poly(n-butyl methacrylates) in Nanoporous Alumina by Dielectric Spectroscopy. *Macromolecules*, **2019**, 52, 8167-8176	5.5	8
483	Surface Premelting and Interfacial Interactions of Semi-Clathrate Hydrate. *Journal of Physical Chemistry C*, **2019**, 123, 24080-24086	3.8	12
482	Control of Droplet Evaporation on Oil-Coated Surfaces for the Synthesis of Asymmetric Supraparticles. *Langmuir*, **2019**, 35, 14042-14048	4	16
481	Direct Observation of Gas Meniscus Formation on a Superhydrophobic Surface. *ACS Nano*, **2019**, 13, 2246-2252	15.8	28
480	Porous supraparticle assembly through self-lubricating evaporating colloidal ouzo drops. *Nature Communications*, **2019**, 10, 478	17.4	39

479	Preparation of Monodisperse Giant Unilamellar Anchored Vesicles Using Micropatterned Hydrogel Substrates. *ACS Omega*, **2019**, 4, 9393-9399	3.9	10
478	Surfactants Mediate the Dewetting of Acrylic Polymer Films Commonly Applied to Works of Art. *ACS Applied Materials & Interfaces*, **2019**, 11, 27288-27296	9.5	8
477	Removal of Surface Oxygen Vacancies Increases Conductance Through TiO Thin Films for Perovskite Solar Cells. *Journal of Physical Chemistry C*, **2019**, 123, 13458-13466	3.8	37
476	Brillouin light scattering under one-dimensional confinement: Symmetry and interference self-canceling. *Physical Review B*, **2019**, 99,	3.3	6
475	Segregation in Drying Binary Colloidal Droplets. *ACS Nano*, **2019**, 13, 4972-4979	16.7	55
474	Polyhedral Liquid Marbles. *Advanced Functional Materials*, **2019**, 29, 1808826	15.6	41
473	Flow-Induced Long-Term Stable Slippery Surfaces. *Advanced Science*, **2019**, 6, 1900019	13.6	17
472	Crystallization and Dynamics of Water Confined in Model Mesoporous Silica Particles: Two Ice Nuclei and Two Fractions of Water. *Langmuir*, **2019**, 35, 5890-5901	4	19
471	Shaping the Assembly of Superparamagnetic Nanoparticles. *ACS Nano*, **2019**, 13, 3015-3022	16.7	38
470	Formation, Deformation, Rolling and Sliding of Particles and Particle Aggregates: Mechanisms and Applications **2019**, 89-114		
469	Optimizing Hydrophobicity and Photocatalytic Activity of PDMS-Coated Titanium Dioxide. *ACS Applied Materials & Interfaces*, **2019**, 11, 27422-27425	9.5	27
468	Light-Switchable Polymer Adhesive Based on Photoinduced Reversible Solid-to-Liquid Transitions. *ACS Macro Letters*, **2019**, 8, 968-972	6.6	65
467	Surface charge printing for programmed droplet transport. *Nature Materials*, **2019**, 18, 936-941	27	208
466	Effects of Spacers on Photoinduced Reversible Solid-to-Liquid Transitions of Azobenzene-Containing Polymers. *Chemistry - A European Journal*, **2019**, 25, 10946-10953	4.8	25
465	Two-Stage Collapse of PNIPAM Brushes: Viscoelastic Changes Revealed by an Interferometric Laser Technique. *Langmuir*, **2019**, 35, 15776-15783	4	0
464	Slide electrification: charging of surfaces by moving water drops. *Soft Matter*, **2019**, 15, 8667-8679	3.6	38
463	Forced dynamic dewetting of structured surfaces: Influence of surfactants. *Physical Review Fluids*, **2019**, 4,	2.8	2
462	The role of surface forces in mineral flotation. *Current Opinion in Colloid and Interface Science*, **2019**, 44, 143-152	7.6	10

461	Tuning the Porosity of Supraparticles. *ACS Nano*, **2019**, 13, 13949-13956	16.7	35
460	Bubbles nucleating on superhydrophobic micropillar arrays under flow. *Soft Matter*, **2019**, 15, 8175-8183	3.6	5
459	Elastic wave propagation in smooth and wrinkled stratified polymer films. *Nanotechnology*, **2019**, 30, 045709	3.4	3
458	How to Coat the Inside of Narrow and Long Tubes with a Super-Liquid-Repellent Layer-A Promising Candidate for Antibacterial Catheters. *Advanced Materials*, **2019**, 31, e1801324	24	38
457	Effect of particle morphology on mechanical properties of liquid marbles. *Advanced Powder Technology*, **2019**, 30, 330-335	4.6	19
456	Hierarchical Structures for Superhydrophobic and Superoleophobic Surfaces. *Langmuir*, **2019**, 35, 10689-10703	4	56
455	Liquid-Repellent Metal Oxide Photocatalysts. *Chemistry - A European Journal*, **2019**, 25, 4535-4542	4.8	7
454	Ultrafast Processing of Hierarchical Nanotexture for a Transparent Superamphiphobic Coating with Extremely Low Roll-Off Angle and High Impalement Pressure. *Advanced Materials*, **2018**, 30, e1706529	24	74
453	Solvation Forces and Non-DLVO Forces in Water **2018**, 297-328		
452	Surface Forces in Polymer Solutions and Melts **2018**, 329-362		
451	Electrostatic Double-Layer Forces **2018**, 99-129		1
450	Capillary Forces **2018**, 131-166		
449	Hydrodynamic Forces **2018**, 167-190		
448	Interfacial Forces between Fluid Interfaces and across Thin Films **2018**, 191-217		
447	Contact Mechanics and Adhesion **2018**, 219-250		
446	Theory on Capillary Filling of Polymer Melts in Nanopores. *Macromolecular Rapid Communications*, **2018**, 39, e1800087	4.8	22
445	Engineering Proteins at Interfaces: From Complementary Characterization to Material Surfaces with Designed Functions. *Angewandte Chemie - International Edition*, **2018**, 57, 12626-12648	16.4	30
444	Engineering von Proteinen an Oberflächen: Von komplementärer Charakterisierung zu Materialoberflächen mit maßgeschneiderten Funktionen. *Angewandte Chemie*, **2018**, 130, 12806-12830	3.6	3

443	Capillary Imbibition of Polymer Mixtures in Nanopores. *Macromolecules*, **2018**, 51, 3059-3065	5.5	16
442	The application of atomic force microscopy in mineral flotation. *Advances in Colloid and Interface Science*, **2018**, 256, 373-392	14.3	72
441	Molecular Probe Diffusion in Thin Polymer Films: Evidence for a Layer with Enhanced Mobility Far above the Glass Temperature. *ACS Macro Letters*, **2018**, 7, 425-430	6.6	13
440	Orthogonal photo-switching of supramolecular patterned surfaces. *Chemical Communications*, **2018** , 54, 3403-3406	5.8	21
439	Nano-mechanical Behavior of Calcium Silicate Hydrate and Calcium Hydroxide in Cement Paste: Elevated Peak-Force Study. *International Journal of Civil Engineering*, **2018**, 16, 273-280	1.9	4
438	Detaching Microparticles from a Liquid Surface. *Physical Review Letters*, **2018**, 121, 048002	7.4	21
437	Redox-Responsive and Thermoresponsive Supramolecular Nanosheet Gels with High Young's Moduli. *Macromolecular Rapid Communications*, **2018**, 39, e1800282	4.8	7
436	Adaptive Wetting-Adaptation in Wetting. *Langmuir*, **2018**, 34, 11292-11304	4	33
435	Red-Light-Controlled Release of Drug Ru Complex Conjugates from Metallopolymer Micelles for Phototherapy in Hypoxic Tumor Environments. *Advanced Functional Materials*, **2018**, 28, 1804227	15.6	56
434	Solvent-Dependent Light-Induced Structures in Gem-Dichlorocyclopropanated Polybutadiene Solutions. *Journal of Physical Chemistry B*, **2018**, 122, 6995-7001	3.4	
433	Wetting over pre-existing liquid films. *Physical Review Fluids*, **2018**, 3,	2.8	6
432	How drops start sliding over solid surfaces. *Nature Physics*, **2018**, 14, 191-196	16.2	145
431	Adsorption and Crystallization of Particles at the Air-Water Interface Induced by Minute Amounts of Surfactant. *Langmuir*, **2018**, 34, 15526-15536	4	18
430	Monitoring drug nanocarriers in human blood by near-infrared fluorescence correlation spectroscopy. *Nature Communications*, **2018**, 9, 5306	17.4	32
429	Reconfiguring surface functions using visible-light-controlled metal-ligand coordination. *Nature Communications*, **2018**, 9, 3842	17.4	40
428	Wetting of soft superhydrophobic micropillar arrays. *Soft Matter*, **2018**, 14, 7429-7434	3.6	19
427	**2018**,		21
426	CO2 Capture: Enhancing CO2 Capture using Robust Superomniphobic Membranes (Adv. Mater. 5/2017). *Advanced Materials*, **2017**, 29,	24	2

425	Self-wrapping of an ouzo drop induced by evaporation on a superamphiphobic surface. *Soft Matter*, **2017**, 13, 2749-2759	3.6	33
424	Controlling the Structure of Supraballs by pH-Responsive Particle Assembly. *Langmuir*, **2017**, 33, 1995-2002	4	26
423	Stable Hydrophobic Metal-Oxide Photocatalysts via Grafting Polydimethylsiloxane Brush. *Advanced Materials*, **2017**, 29, 1604637	24	108
422	Near-infrared photochemistry at interfaces based on upconverting nanoparticles. *Physical Chemistry Chemical Physics*, **2017**, 19, 23585-23596	3.6	29
421	Shape of a sessile drop on a flat surface covered with a liquid film. *Soft Matter*, **2017**, 13, 3760-3767	3.6	28
420	A Photocatalytically Active Lubricant-Impregnated Surface. *Angewandte Chemie*, **2017**, 129, 5047-5051	3.6	3
419	Energy Dissipation of Moving Drops on Superhydrophobic and Superoleophobic Surfaces. *Langmuir*, **2017**, 33, 107-116	4	43
418	An Amphiphilic Ruthenium Polymetallodrug for Combined Photodynamic Therapy and Photochemotherapy In Vivo. *Advanced Materials*, **2017**, 29, 1603702	24	161
417	Enhancing CO Capture using Robust Superomniphobic Membranes. *Advanced Materials*, **2017**, 29, 1603524	24	50
416	Kinetics of Light-Induced Concentration Patterns in Transparent Polymer Solutions. *Journal of Physical Chemistry B*, **2017**, 121, 7180-7189	3.4	2
415	Recent experimental advances for understanding bubble-particle attachment in flotation. *Advances in Colloid and Interface Science*, **2017**, 246, 105-132	14.3	136
414	Complex dynamics of capillary imbibition of poly(ethylene oxide) melts in nanoporous alumina. *Journal of Chemical Physics*, **2017**, 146, 203320	3.9	21
413	A Photocatalytically Active Lubricant-Impregnated Surface. *Angewandte Chemie - International Edition*, **2017**, 56, 4965-4969	16.4	52
412	A Photoresponsive Orthogonal Supramolecular Complex Based on Host-Guest Interactions. *Chemistry - A European Journal*, **2017**, 23, 2628-2634	4.8	34
411	Homogeneous Nucleation of Ice Confined in Hollow Silica Spheres. *Journal of Physical Chemistry B*, **2017**, 121, 306-313	3.4	12
410	Capillary Imbibition, Crystallization, and Local Dynamics of Hyperbranched Poly(ethylene oxide) Confined to Nanoporous Alumina. *Macromolecules*, **2017**, 50, 8755-8764	5.5	14
409	Spontaneous jumping, bouncing and trampolining of hydrogel drops on a heated plate. *Nature Communications*, **2017**, 8, 905	17.4	27
408	Effects of pH on the structure and mechanical properties of dried pH-responsive latex particles. *Soft Matter*, **2017**, 13, 7562-7570	3.6	12

407	Transfer of Materials from Water to Solid Surfaces Using Liquid Marbles. *ACS Applied Materials & Interfaces*, **2017**, 9, 33351-33359	9.5	50
406	Biological fabrication of cellulose fibers with tailored properties. *Science*, **2017**, 357, 1118-1122	33.3	23
405	Modulation of Mitochondriotropic Properties of Cyanine Dyes by in Organello Copper-Free Click Reaction. *ChemBioChem*, **2017**, 18, 1814-1818	3.8	5
404	Initial stage sintering of polymer particles Experiments and modelling of size-, temperature- and time-dependent contacts. *EPJ Web of Conferences*, **2017**, 140, 13012	0.3	2
403	Forced dewetting dynamics of high molecular weight surfactant solutions. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2017**, 521, 30-37	5.1	6
402	Photoswitching of glass transition temperatures of azobenzene-containing polymers induces reversible solid-to-liquid transitions. *Nature Chemistry*, **2017**, 9, 145-151	17.6	323
401	Forces between a stiff and a soft surface. *Current Opinion in Colloid and Interface Science*, **2017**, 27, 82-90	7.6	19
400	Thermal Characterization of Dynamic Silicon Cantilever Array Sensors by Digital Holographic Microscopy. *Sensors*, **2017**, 17,	3.8	5
399	From elasticity to capillarity in soft materials indentation. *Physical Review Materials*, **2017**, 1,	3.2	34
398	Pressure-sensitive adhesive powder. *Materials Horizons*, **2016**, 3, 47-52	14.4	63
397	Influence of surfactants in forced dynamic dewetting. *Soft Matter*, **2016**, 12, 7782-7791	3.6	27
396	3D Imaging of Water-Drop Condensation on Hydrophobic and Hydrophilic Lubricant-Impregnated Surfaces. *Scientific Reports*, **2016**, 6, 23687	4.9	45
395	Long-Term Repellency of Liquids by Superoleophobic Surfaces. *Physical Review Letters*, **2016**, 117, 046102	7.4	16
394	Surface forces between colloidal particles at high hydrostatic pressure. *Physical Review E*, **2016**, 93, 022608	2.4	6
393	Local Flow Field and Slip Length of Superhydrophobic Surfaces. *Physical Review Letters*, **2016**, 116, 134501	7.4	67
392	Effect of water and nano-silica solution on the early stages cement hydration. *Construction and Building Materials*, **2016**, 129, 11-24	6.7	19
391	An autonomic self-healing organogel with a photo-mediated modulus. *Chemical Communications*, **2016**, 52, 14157-14160	5.8	26
390	Cylindrical chains of water drops condensing on microstructured lubricant-infused surfaces. *Soft Matter*, **2016**, 12, 9377-9382	3.6	9

389	Warum der Tropfen nicht hüpft. *Nachrichten Aus Der Chemie*, **2016**, 64, 945-951	0.1	
388	Ruthenium-Containing Block Copolymer Assemblies: Red-Light-Responsive Metallopolymers with Tunable Nanostructures for Enhanced Cellular Uptake and Anticancer Phototherapy. *Advanced Healthcare Materials*, **2016**, 5, 467-73	10.1	64
387	Near-Infrared-Sensitive Materials Based on Upconverting Nanoparticles. *Advanced Materials*, **2016**, 28, 1208-26	24	286
386	Stability of a Split Streptomycin Binding Aptamer. *Journal of Physical Chemistry B*, **2016**, 120, 6479-89	3.4	9
385	Temperature-Controlled Diffusion in PNIPAM-Modified Silica Inverse Opals. *ACS Macro Letters*, **2016**, 5, 190-194	6.6	15
384	Ferroelastic Fingerprints in Methylammonium Lead Iodide Perovskite. *Journal of Physical Chemistry C*, **2016**, 120, 5724-5731	3.8	118
383	How Water Advances on Superhydrophobic Surfaces. *Physical Review Letters*, **2016**, 116, 096101	7.4	168
382	Porous titania/carbon hybrid microspheres templated by in situ formed polystyrene colloids. *Journal of Colloid and Interface Science*, **2016**, 469, 242-256	9.3	4
381	Humidity-Induced Grain Boundaries in MAPbI3 Perovskite Films. *Journal of Physical Chemistry C*, **2016**, 120, 6363-6368	3.8	83
380	Dip-Pen Nanolithography **2016**, 781-788		
379	Core@shell Poly(n-butylacrylate)@polystyrene Nanoparticles: Baroplastic Force-Responsiveness in Presence of Strong Phase Separation. *Macromolecular Rapid Communications*, **2016**, 37, 584-9	4.8	13
378	Light-Driven Delivery and Release of Materials Using Liquid Marbles. *Advanced Functional Materials*, **2016**, 26, 3199-3206	15.6	138
377	Liquid Marbles: Light-Driven Delivery and Release of Materials Using Liquid Marbles (Adv. Funct. Mater. 19/2016). *Advanced Functional Materials*, **2016**, 26, 3372-3372	15.6	5
376	Mechanical Properties of Highly Porous Super Liquid-Repellent Surfaces. *Advanced Functional Materials*, **2016**, 26, 4914-4922	15.6	31
375	The Cassie-Wenzel transition of fluids on nanostructured substrates: Macroscopic force balance versus microscopic density-functional theory. *Journal of Chemical Physics*, **2016**, 145, 134703	3.9	9
374	Small Structures, Big Droplets: The Role of Nanoscience in Fog Harvesting. *ACS Nano*, **2016**, 10, 10627-10630	13.3	26
373	Candle soot-based super-amphiphobic coatings resist protein adsorption. *Biointerphases*, **2016**, 11, 031007	2.8	16
372	Influence of Temperature on the Nanoadhesion of a Methyl-Terminated Thiol Monolayer: A New Insight with High-Rate Dynamic Force Spectroscopy. *Langmuir*, **2016**, 32, 4500-8	4	8

371	Polarization dependence of plasmonic near-field enhanced photoemission from cross antennas. *Applied Physics B: Lasers and Optics*, **2016**, 122, 1	1.9	5
370	Interfacial Energy and Glass Temperature of Polymers Confined to Nanoporous Alumina. *Macromolecules*, **2016**, 49, 7400-7414	5.5	74
369	Effect of Poly(ethylene oxide) Architecture on the Bulk and Confined Crystallization within Nanoporous Alumina. *Macromolecules*, **2016**, 49, 5945-5954	5.5	24
368	Effects of polydispersity, additives, impurities and surfaces on the crystallization of poly(ethylene oxide)(PEO) confined to nanoporous alumina. *Polymer*, **2016**, 99, 273-280	3.9	25
367	Reversible Janus particle assembly via responsive host-guest interactions. *Chemical Communications*, **2015**, 51, 2725-7	5.8	57
366	The forces and physical properties of polymer particulate monolayers at air/aqueous interfaces. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2015**, 470, 322-332	5.1	7
365	Photon upconversion lithography: patterning of biomaterials using near-infrared light. *Advanced Materials*, **2015**, 27, 2203-6	24	104
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