# Daniel Bonn

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 334 papers | 20,324 citations | 7061 73 h-index | 9868 132 g-index |
| 345 all docs | 345 docs citations | 345 times ranked | 15748 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Globular proteins as Pickering emulsion stabilizers: Particles or surfactants?. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2025, 704, 135469. | 5.2 | 1 |
| 2 | Droplet Size Distribution in Emulsions. Langmuir, 2024, 40, 275-281. | 3.8 | 7 |
| 3 | Improved Olfactory Deposition of Theophylline Using a Nanotech Soft Mist Nozzle Chip. Pharmaceutics, 2024, 16, 2. | 5.2 | 1 |
| 4 | Visualization of the Solâ€“Gel Transition in Porous Networks Using Fluorescent Viscosity-Sensitive Probes. Journal of Physical Chemistry Letters, 2024, 15, 628-635. | 4.6 | 3 |
| 5 | Resolving Multi-Asperity Contacts at the Nanoscale through Super-Resolution Fluorescence Imaging. Journal of Physical Chemistry Letters, 2024, 15, 1936-1942. | 4.6 | 3 |
| 6 | Elucidating the role of water in collagen self-assembly by isotopically modulating collagen hydration. Proceedings of the National Academy of Sciences of the United States of America, 2024, 121, . | 7.7 | 6 |
| 7 | Perturbation-induced granular fluidization as a model for remote earthquake triggering. Science Advances, 2024, 10, . | 11.3 | 1 |
| 8 | Molecular Probing of the Microscopic Pressure at Contact Interfaces. Journal of the American Chemical Society, 2024, 146, 13258-13265. | 15.7 | 0 |
| 9 | Elastic contact between rough surfaces: Bridging the gap between theory and experiment. Journal of the Mechanics and Physics of Solids, 2024, 188, 105676. | 5.6 | 4 |
| 10 | Electroless Ionization Mass Spectrometry Using a Compact Electrokinetic Ionization Source. Analytical Chemistry, 2024, 96, 10978-10985. | 6.7 | 1 |
| 11 | Ductile-to-brittle transition and yielding in soft amorphous materials: perspectives and open questions. Soft Matter, 2024, 20, 6868-6888. | 2.7 | 6 |
| 12 | Plasma-Assisted Air Cleaning Decreases COVID-19 Infections inÂaÂPrimary School: Modelling andÂExperimental Data. Lecture Notes in Computer Science, 2024, , 196-209. | 0.0 | 0 |
| 13 | Beware of CaBER: Filament thinning rheometry does not always give â€˜theâ€™ relaxation time of polymer solutions. Physical Review Fluids, 2024, 9, . | 2.5 | 4 |
| 14 | Suppressing torsional buckling in auxetic meta-shells. Nature Communications, 2024, 15, . | 14.1 | 2 |
| 15 | Effect of coalescence on the propagation of water droplets from a jet. Physics of Fluids, 2024, 36, . | 3.8 | 0 |
| 16 | Friction and adhesion: From fundamentals to applications. Journal of Chemical Physics, 2024, 161, . | 3.0 | 0 |
| 17 | Hydrogen Bonds under Stress: Strain-Induced Structural Changes in Polyurethane Revealed by Rheological Two-Dimensional Infrared Spectroscopy. Journal of Physical Chemistry Letters, 2023, 14, 940-946. | 4.6 | 10 |
| 18 | Lubrication with Non-Newtonian Fluids. Physical Review Applied, 2023, 19, . | 4.0 | 10 |

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|---|---|---|---|
| 19 | Why Teflon is so slippery while other polymers are not. Physical Review E, 2023, 107, . | 2.1 | 4 |
| 20 | Is there a difference between surfactant-stabilised and Pickering emulsions?. Soft Matter, 2023, 19, 1941-1951. | 2.7 | 23 |
| 21 | Molecular Probing of the Stress Activation Volume in Vapor Phase Lubricated Friction. ACS Applied Materials & Interfaces, 2023, 15, 12603-12608. | 8.1 | 3 |
| 22 | Quantitative Understanding of the Onset of Dense Granular Flows. Physical Review Letters, 2023, 130, . | 7.8 | 6 |
| 23 | Surface-Mediated Molecular Transport of a Lipophilic Fluorescent Probe in Polydisperse Oil-in-Water Emulsions. Langmuir, 2023, 39, 4207-4215. | 3.8 | 1 |
| 24 | Predicting frictional aging from bulk relaxation measurements. Nature Communications, 2023, 14, . | 14.1 | 2 |
| 25 | Super-resolution Fluorescence Imaging of Recycled Polymer Blends via Hydrogen Bond-Assisted Adsorption of a Nile Red Derivative. Langmuir, 2023, 39, 14652-14659. | 3.8 | 1 |
| 26 | Controlling Macroscopic Friction through Interfacial Siloxane Bonding. Physical Review Letters, 2023, 131, . | 7.8 | 2 |
| 27 | Capillary Forces Lead to Pendant Crystals at the Liquidâ€“Air Interface of Evaporating Salt Solutions. Langmuir, 2023, 39, 18208-18214. | 3.8 | 1 |
| 28 | Towards a constitutive relation for emulsions exhibiting a yield stress. Physical Review Fluids, 2023, 8, . | 2.5 | 2 |
| 29 | Transition from viscoelastic to fracture-like peeling of pressure-sensitive adhesives. Soft Matter, 2022, 18, 999-1004. | 2.7 | 5 |
| 30 | Austen in Amsterdam: Isotope effect in a liquid-liquid transition in supercooled aqueous solution. Journal of Non-Crystalline Solids: X, 2022, 13, 100077. | 1.2 | 2 |
| 31 | Scratch-Healing Behavior of Ice by Local Sublimation and Condensation. Journal of Physical Chemistry C, 2022, 126, 2179-2183. | 3.2 | 11 |
| 32 | Ethyl cellulose nanoparticles as stabilizers for Pickering emulsions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 641, 128512. | 5.2 | 16 |
| 33 | Universal Aspects of Droplet Spreading Dynamics in Newtonian and Non-Newtonian Fluids. Langmuir, 2022, 38, 2608-2613. | 3.8 | 28 |
| 34 | Contribution of Capillary Adhesion to Friction at Macroscopic Solidâ€“Solid Interfaces. Physical Review Applied, 2022, 17, . | 4.0 | 16 |
| 35 | Tuneable normal stresses in hyperelastic emulsions. Physical Review Research, 2022, 4, . | 3.8 | 5 |
| 36 | Transition from Dendritic to Cell-like Crystalline Structures in Drying Droplets of Fetal Bovine Serum under the Influence of Temperature. Langmuir, 2022, 38, 4321-4331. | 3.8 | 3 |

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| 37 | Needleâ€free jet injectionâ€induced smallâ€droplet aerosol formation during intralesional bleomycin therapy. Lasers in Surgery and Medicine, 2022, 54, 572-579. | 2.2 | 5 |
| 38 | Molecular rotors to probe the local viscosity of a polymer glass. Journal of Chemical Physics, 2022, 156, . | 3.0 | 8 |
| 39 | Non-monotonic Dynamics in the Onset of Frictional Slip. Tribology Letters, 2022, 70, . | 2.9 | 5 |
| 40 | What determines the drop size in sprays of polymer solutions?. Journal of Non-Newtonian Fluid Mechanics, 2022, 305, 104813. | 2.5 | 13 |
| 41 | Fluorescent molecular rotor probes nanosecond viscosity changes. Journal of Chemical Physics, 2022, 156, . | 3.0 | 5 |
| 42 | Risk of aerosol transmission of SARS-CoV-2 in a clinical cardiology setting. Building and Environment, 2022, 220, 109254. | 7.0 | 3 |
| 43 | Chromatographic separation of active polymerâ€“like worm mixtures by contour length and activity. Science Advances, 2022, 8, . | 11.3 | 15 |
| 44 | Droplet impacts on cold surfaces. Journal of Fluid Mechanics, 2022, 944, . | 3.4 | 18 |
| 45 | Local Shearing Force Measurement during Frictional Sliding Using Fluorogenic Mechanophores. Journal of Physical Chemistry Letters, 2022, 13, 8840-8844. | 4.6 | 11 |
| 46 | Rheology of emulsions with polymer solutions as the continuous phase. Journal of Non-Newtonian Fluid Mechanics, 2022, 310, 104938. | 2.5 | 11 |
| 47 | Chain oscillations in liquid jets. Physical Review Fluids, 2022, 7, . | 2.5 | 8 |
| 48 | High velocity impact on a thin (non-Newtonian) fluid layer. Journal of Fluid Mechanics, 2022, 951, . | 3.4 | 2 |
| 49 | Nonmonotonic Friction due to Water Capillary Adhesion and Hydrogen Bonding at Multiasperity Interfaces. Physical Review Letters, 2022, 129, . | 7.8 | 8 |
| 50 | Photophysics of Fluorescent Contact Sensors Based on the Dicyanodihydrofuran Motif. ChemPhysChem, 2021, 22, 221-227. | 2.0 | 6 |
| 51 | Light-switchable deposits from evaporating drops containing motile microalgae. Soft Matter, 2021, 17, 6536-6541. | 2.7 | 6 |
| 52 | Lubricated Friction and the Hersey Number. Physical Review Letters, 2021, 126, . | 7.8 | 11 |
| 53 | Drop size measurement techniques for sprays: Comparison of image analysis, phase Doppler particle analysis, and laser diffraction. AIP Advances, 2021, 11, . | 1.3 | 60 |
| 54 | Risk of Aerosol Formation During High-Flow Nasal Cannula Treatment in Critically Ill Subjects. Respiratory Care, 2021, 66, 891-896. | 1.5 | 20 |

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| 55 | Friction on Ice: How Temperature, Pressure, and Speed Control the Slipperiness of Ice. Physical Review X, 2021, 11, . | 10.6 | 19 |
| 56 | Dry ice hoverboard: Friction reduction by the Leidenfrost effect. Physical Review E, 2021, 103, . | 2.1 | 2 |
| 57 | Controlling droplet deposition with surfactants. Physical Review Fluids, 2021, 6, . | 2.5 | 21 |
| 58 | Droplet impact of Newtonian fluids and blood on simple fabrics: Effect of fabric pore size and underlying substrate. Physics of Fluids, 2021, 33, . | 3.8 | 32 |
| 59 | Disentangling Nano- and Macroscopic Viscosities of Aqueous Polymer Solutions Using a Fluorescent Molecular Rotor. Journal of Physical Chemistry Letters, 2021, 12, 3182-3186. | 4.6 | 20 |
| 60 | Self-similar jet evolution after drop impact on a liquid surface. Physical Review Fluids, 2021, 6, . | 2.5 | 9 |
| 61 | Creep and drainage in the fast destabilization of emulsions. Physics of Fluids, 2021, 33, . | 3.8 | 9 |
| 62 | Droplet splashing on rough surfaces. Physical Review Fluids, 2021, 6, . | 2.5 | 41 |
| 63 | Antisurfactant (Autophobic) Behavior of Superspreader Surfactant Solutions. Langmuir, 2021, 37, 6243-6247. | 3.8 | 12 |
| 64 | Lifetime-Associated Two-Dimensional Infrared Spectroscopy Reveals the Hydrogen-Bond Structure of Supercooled Water in Soft Confinement. Journal of Physical Chemistry Letters, 2021, 12, 5951-5956. | 4.6 | 7 |
| 65 | How does â€˜Gecko tapeâ€™ work?. Biotribology, 2021, 26, 100179. | 1.5 | 2 |
| 66 | Stringiness of hyaluronic acid emulsions. International Journal of Cosmetic Science, 2021, 43, 458-465. | 2.9 | 6 |
| 67 | Degradation of lipid based drug delivery formulations during nebulization. Chemical Physics, 2021, 547, 111192. | 2.2 | 17 |
| 68 | Inverted and Programmable Poynting Effects in Metamaterials. Advanced Science, 2021, 8, . | 12.8 | 18 |
| 69 | Tracing single asperity wear in relation to macroscale friction during running-in. Tribology International, 2021, 162, 107108. | 6.2 | 9 |
| 70 | Geometric control of sliding friction. Extreme Mechanics Letters, 2021, 49, 101475. | 4.2 | 5 |
| 71 | Comparing rheological, tribological and sensory properties of microfibrillated cellulose dispersions and xanthan gum solutions. Food Hydrocolloids, 2021, 121, 107052. | 12.2 | 28 |
| 72 | The Effect of Substrate Temperature on the Evaporative Behaviour and Desiccation Patterns of Foetal Bovine Serum Drops. Colloids and Interfaces, 2021, 5, 43. | 3.1 | 6 |

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| 73 | Fluorescent Liquid Tetrazines. Molecules, 2021, 26, 6047. | 4.4 | 5 |
| 74 | How surfactants influence the drop size in sprays from flat fan and hollow cone nozzles. Physics of Fluids, 2021, 33, . | 3.8 | 21 |
| 75 | Nonlocal effects in the shear banding of a thixotropic yield stress fluid. Physical Review Fluids, 2021, 6, . | 2.5 | 6 |
| 76 | Rougher is more slippery: How adhesive friction decreases with increasing surface roughness due to the suppression of capillary adhesion. Physical Review Research, 2021, 3, . | 3.8 | 27 |
| 77 | Wear particle dynamics drive the difference between repeated and non-repeated reciprocated sliding. Tribology International, 2020, 142, 105983. | 6.2 | 24 |
| 78 | The physics of ice skating. Nature, 2020, 577, 173-174. | 40.1 | 16 |
| 79 | Self-similarity in the breakup of very dilute viscoelastic solutions. Journal of Fluid Mechanics, 2020, 904, . | 3.4 | 34 |
| 80 | Self-Lifting NaCl Crystals. Journal of Physical Chemistry Letters, 2020, 11, 7388-7393. | 4.6 | 27 |
| 81 | Aerosol persistence in relation to possible transmission of SARS-CoV-2. Physics of Fluids, 2020, 32, . | 3.8 | 87 |
| 82 | Reducing aerosol transmission of SARSâ€CoVâ€2 in hospital elevators. Indoor Air, 2020, 30, 1065-1066. | 4.2 | 25 |
| 83 | Deposits from evaporating emulsion drops. Scientific Reports, 2020, 10, . | 3.7 | 6 |
| 84 | Surfactant Effects on the Dynamics of Capillary Rise and Finger Formation in Square Capillaries. Langmuir, 2020, 36, 13784-13792. | 3.8 | 13 |
| 85 | Rheology of Entangled Active Polymer-Like T. Tubifex Worms. Physical Review Letters, 2020, 124, . | 7.8 | 36 |
| 86 | Small droplet aerosols in poorly ventilated spaces and SARS-CoV-2 transmission. Lancet Respiratory Medicine,the, 2020, 8, 658-659. | 22.1 | 289 |
| 87 | Emulsion Destabilization by Squeeze Flow. Langmuir, 2020, 36, 7795-7800. | 3.8 | 7 |
| 88 | Dynamic Surface Tension of Surfactants in the Presence of High Salt Concentrations. Langmuir, 2020, 36, 7956-7964. | 3.8 | 119 |
| 89 | Sliding on wet sand. Granular Matter, 2020, 22, . | 2.6 | 6 |
| 90 | Ageing of Polymer Frictional Interfaces: The Role of Quantity and Quality of Contact. ACS Applied Materials & Interfaces, 2020, 12, 9890-9895. | 8.1 | 17 |

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| 91 | The effect of adjuvants on spray droplet size from hydraulic nozzles. Pest Management Science, 2020, 76, 3487-3494. | 3.7 | 47 |
| 92 | Measurement of small droplet aerosol concentrations in public spaces using handheld particle counters. Physics of Fluids, 2020, 32, . | 3.8 | 29 |
| 93 | Capillary thinning of elastic and viscoelastic threads: From elastocapillarity to phase separation. Physical Review Fluids, 2020, 5, . | 2.5 | 23 |
| 94 | Phase Separation by Entanglement of Active Polymerlike Worms. Physical Review Letters, 2020, 124, . | 7.8 | 41 |
| 95 | On the origin of the extremely different solubilities of polyethers in water. Nature Communications, 2019, 10, . | 14.1 | 108 |
| 96 | Rapid Spreading of a Droplet on a Thin Soap Film. Langmuir, 2019, 35, 14855-14860. | 3.8 | 16 |
| 97 | Shear thickening of dense suspensions: The role of friction. Physics of Fluids, 2019, 31, . | 3.8 | 22 |
| 98 | Sprays from droplets impacting a mesh. Journal of Fluid Mechanics, 2019, 871, 489-509. | 3.4 | 43 |
| 99 | Liquid Helix: How Capillary Jets Adhere to Vertical Cylinders. Physical Review Letters, 2019, 122, . | 7.8 | 14 |
| 100 | Frictional weakening of slip interfaces. Science Advances, 2019, 5, . | 11.3 | 41 |
| 101 | The Surface of Ice under Equilibrium and Nonequilibrium Conditions. Accounts of Chemical Research, 2019, 52, 1006-1015. | 17.7 | 67 |
| 102 | The yield normal stress. Journal of Rheology, 2019, 63, 285-290. | 2.9 | 54 |
| 103 | High-velocity impact of solid objects on Non-Newtonian Fluids. Scientific Reports, 2019, 9, . | 3.7 | 33 |
| 104 | Tunable superlubricity of 2-dimensional materials. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24386-24387. | 7.7 | 3 |
| 105 | Fluorescence microscopy visualization of the roughness-induced transition between lubrication regimes. Science Advances, 2019, 5, . | 11.3 | 23 |
| 106 | Predicting the maximum spreading of a liquid drop impacting on a solid surface: Effect of surface tension and entrapped air layer. Physical Review Fluids, 2019, 4, . | 2.5 | 36 |
| 107 | Crystal nucleation in sedimenting colloidal suspensions. Journal of Chemical Physics, 2018, 148, . | 3.0 | 10 |
| 108 | Molecular probes reveal deviations from Amontonsâ€™ law in multi-asperity frictional contacts. Nature Communications, 2018, 9, . | 14.1 | 100 |

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| 109 | Single layer porous media with entrapped minerals for microscale studies of multiphase flow. Lab on A Chip, 2018, 18, 1094-1104. | 5.6 | 12 |
| 110 | Wetting of water on graphene nanopowders of different thicknesses. Applied Physics Letters, 2018, 112, . | 3.2 | 20 |
| 111 | Spreading dynamics and contact angle of completely wetting volatile drops. Journal of Fluid Mechanics, 2018, 844, 817-830. | 3.4 | 21 |
| 112 | Effect of Wetting on Drop Splashing of Newtonian Fluids and Blood. Langmuir, 2018, 34, 5163-5168. | 3.8 | 59 |
| 113 | Carbopol: From a simple to a thixotropic yield stress fluid. Journal of Rheology, 2018, 62, 773-780. | 2.9 | 94 |
| 114 | Normal stresses in semiflexible polymer hydrogels. Physical Review E, 2018, 97, . | 2.1 | 15 |
| 115 | Combined Latticeâ€“Boltzmann and rigid-body method for simulations of shear-thickening dense suspensions of hard particles. Computers and Fluids, 2018, 172, 474-482. | 2.8 | 15 |
| 116 | Shear thickening in concentrated suspensions of smooth spheres in Newtonian suspending fluids. Soft Matter, 2018, 14, 170-184. | 2.7 | 81 |
| 117 | Turbulent viscosity profile of drag reducing rod-like polymers. European Physical Journal E, 2018, 41, . | 1.8 | 3 |
| 118 | Fast 3D Microscopy Imaging of Contacts Between Surfaces Using a Fluorescent Liquid. ACS Applied Materials & Interfaces, 2018, 10, 40973-40977. | 8.1 | 10 |
| 119 | Ploughing friction on wet and dry sand. Physical Review E, 2018, 98, . | 2.1 | 11 |
| 120 | Viscous Effects on Inertial Drop Formation. Physical Review Letters, 2018, 121, . | 7.8 | 45 |
| 121 | Crossover between Athermal Jamming and the Thermal Glass Transition of Suspensions. Physical Review Letters, 2018, 121, . | 7.8 | 19 |
| 122 | Counteracting Interfacial Energetics for Wetting of Hydrophobic Surfaces in the Presence of Surfactants. Langmuir, 2018, 34, 12344-12349. | 3.8 | 21 |
| 123 | Singular sublimation of ice and snow crystals. Nature Communications, 2018, 9, . | 14.1 | 38 |
| 124 | Oil-water displacements in rough microchannels. Physics of Fluids, 2018, 30, . | 3.8 | 16 |
| 125 | Hopper Growth of Salt Crystals. Journal of Physical Chemistry Letters, 2018, 9, 2961-2966. | 4.6 | 58 |
| 126 | Nonequilibrium free energy of colloidal glasses under shear. Journal Physics D: Applied Physics, 2018, 51, 324002. | 3.1 | 2 |

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| 127 | What Determines the Drop Size in Sprays?. Physical Review X, 2018, 8, . | 10.6 | 91 |
| 128 | Pearling Instabilities of a Viscoelastic Thread. Physical Review Letters, 2018, 120, . | 7.8 | 47 |
| 129 | Molecular Insight into the Slipperiness of Ice. Journal of Physical Chemistry Letters, 2018, 9, 2838-2842. | 4.6 | 75 |
| 130 | Scaling of flow curves: Comparison between experiments and simulations. Journal of Non-Newtonian Fluid Mechanics, 2018, 261, 33-37. | 2.5 | 12 |
| 131 | Drying of Salt Solutions from Porous Media: Effect of Surfactants. Transport in Porous Media, 2018, 128, 881-894. | 2.2 | 15 |
| 132 | â€œEverything flows?â€• elastic effects on startup flows of yield-stress fluids. Rheologica Acta, 2017, 56, 189-194. | 2.6 | 87 |
| 133 | Effect of the material properties on the crumpling of a thin sheet. Soft Matter, 2017, 13, 4029-4034. | 2.7 | 20 |
| 134 | Influence of Surfactants on Sodium Chloride Crystallization in Confinement. Langmuir, 2017, 33, 4260-4268. | 3.8 | 79 |
| 135 | Normal stresses in shear thickening granular suspensions. Soft Matter, 2017, 13, 3734-3740. | 2.7 | 22 |
| 136 | Dependence of nonlinear elasticity on filler size in composite polymer systems. Rheologica Acta, 2017, 56, 583-589. | 2.6 | 10 |
| 137 | Nanoparticle amount, and not size, determines chain alignment and nonlinear hardening in polymer nanocomposites. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, . | 7.7 | 28 |
| 138 | The Dynamic Surface Tension of Water. Journal of Physical Chemistry Letters, 2017, 8, 1599-1603. | 4.6 | 107 |
| 139 | Picosecond orientational dynamics of water in living cells. Nature Communications, 2017, 8, . | 14.1 | 63 |
| 140 | Quasi-periodic and irregular motion of a solid sphere falling through a thixotropic yield-stress fluid. Applied Physics Express, 2017, 10, 117301. | 2.2 | 11 |
| 141 | Yield stress materials in soft condensed matter. Reviews of Modern Physics, 2017, 89, . | 40.5 | 579 |
| 142 | Ultrafast dynamics and solvent-dependent deactivation kinetics of BODIPY molecular rotors. Physical Chemistry Chemical Physics, 2017, 19, 19998-20007. | 2.8 | 38 |
| 143 | Study of the Stability and Hydrophilicity of Plasma-Modified Microfluidic Materials. Plasma Processes and Polymers, 2017, 14, 1600034. | 2.7 | 12 |
| 144 | Catalytic microreactor with immobilised silver nanocluster for organic pollutant removal from water. International Journal of Nanotechnology, 2016, 13, 724. | 0.3 | 1 |

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| 145 | Evaporation of water: evaporation rate and collective effects. Journal of Fluid Mechanics, 2016, 798, 774-786. | 3.4 | 126 |
| 146 | Universal rescaling of drop impact on smooth and rough surfaces. Journal of Fluid Mechanics, 2016, 786, . | 3.4 | 173 |
| 147 | Yielding and flow of cellulose microfibril dispersions in the presence of a charged polymer. Soft Matter, 2016, 12, 4739-4744. | 2.7 | 27 |
| 148 | Filler Size Effects on Reinforcement in Elastomer-Based Nanocomposites: Experimental and Simulational Insights into Physical Mechanisms. Macromolecules, 2016, 49, 7077-7087. | 5.2 | 57 |
| 149 | Stability of LAPONITEÂ®-stabilized high internal phase Pickering emulsions under shear. Physical Chemistry Chemical Physics, 2016, 18, 22973-22977. | 2.8 | 32 |
| 150 | Multistep crystallization processes: How not to make perfect single crystals. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13551-13553. | 7.7 | 9 |
| 151 | Silver nanocluster catalytic microreactors for water purification. European Physical Journal: Special Topics, 2016, 225, 707-714. | 2.2 | 9 |
| 152 | Excited-State Decay Pathways of Molecular Rotors: Twisted Intermediate or Conical Intersection?. Journal of Physical Chemistry Letters, 2016, 7, 4285-4290. | 4.6 | 30 |
| 153 | Porosity Governs Normal Stresses in Polymer Gels. Physical Review Letters, 2016, 117, . | 7.8 | 57 |
| 154 | On different ways of measuring â€œtheâ€•yield stress. Journal of Non-Newtonian Fluid Mechanics, 2016, 238, 233-241. | 2.5 | 281 |
| 155 | The Pressure induced by salt crystallization in confinement. Scientific Reports, 2016, 6, . | 3.7 | 108 |
| 156 | Normal stress measurement in foams and emulsions in the presence of slip. Journal of Non-Newtonian Fluid Mechanics, 2016, 238, 33-43. | 2.5 | 32 |
| 157 | Electrical bending instability in electrospinning viscoâ€elastic solutions. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 1036-1042. | 2.8 | 11 |
| 158 | Contact line of adsorbed colloidâ€“polymer droplets in theory and experiment. Soft Matter, 2016, 12, 4052-4058. | 2.7 | 0 |
| 159 | Oppositely Charged Ions at Waterâ€“Air and Waterâ€“Oil Interfaces: Contrasting the Molecular Picture with Thermodynamics. Journal of Physical Chemistry Letters, 2016, 7, 825-830. | 4.6 | 30 |
| 160 | Universal rescaling of flow curves for yield-stress fluids close to jamming. Physical Review E, 2015, 92, . | 2.1 | 38 |
| 161 | <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="sans-serif">S</mml:mi></mml:math>-shaped flow curves of shear thickening suspensions: Direct observation of frictional rheology. Physical Review E, 2015, 92, . | 2.1 | 68 |
| 162 | Wall slip and fluidity in emulsion flow. Physical Review E, 2015, 92, . | 2.1 | 32 |

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| 163 | Drop formation in shear-thickening granular suspensions. Physical Review E, 2015, 92, . | 2.1 | 14 |
| 164 | Spreading of an Oil-in-Water Emulsion on a Glass Plate: Phase Inversion and Pattern Formation. Langmuir, 2015, 31, 5971-5981. | 3.8 | 13 |
| 165 | Local rheology of suspensions and dry granular materials. Journal of Rheology, 2015, 59, 957-969. | 2.9 | 22 |
| 166 | Are Antagonistic Salts Surfactants?. Langmuir, 2015, 31, 906-911. | 3.8 | 26 |
| 167 | Fluorescence Microscopy Visualization of Contacts Between Objects. Angewandte Chemie - International Edition, 2015, 54, 3688-3691. | 15.0 | 56 |
| 168 | Size-dependent reinforcement of composite rubbers. Polymer, 2015, 73, 170-173. | 4.2 | 31 |
| 169 | Directed vesicle transport by diffusio-osmosis. Europhysics Letters, 2015, 110, 28001. | 2.1 | 7 |
| 170 | Bloodstain Pattern Analysis: implementation of a fluid dynamic model for position determination of victims. Scientific Reports, 2015, 5, . | 3.7 | 59 |
| 171 | Liquid Spreading. , 2015, , 3-13. | | 7 |
| 172 | Salt stains from evaporating droplets. Scientific Reports, 2015, 5, . | 3.7 | 168 |
| 173 | Fluorescence Microscopy Visualization of Contacts Between Objects. Angewandte Chemie, 2015, 127, 3759-3762. | 1.5 | 16 |
| 174 | Multiscale Effects of Interfacial Polymer Confinement in Silica Nanocomposites. Macromolecules, 2015, 48, 7929-7937. | 5.2 | 24 |
| 175 | Nonuniversality in the Pinch-Off of Yield Stress Fluids: Role of Nonlocal Rheology. Physical Review Letters, 2014, 113, . | 7.8 | 34 |
| 176 | Sliding Friction on Wet and Dry Sand. Physical Review Letters, 2014, 112, . | 7.8 | 98 |
| 177 | Maximum Diameter of Impacting Liquid Droplets. Physical Review Applied, 2014, 2, . | 4.0 | 335 |
| 178 | Disorder and excess modes in hard-sphere colloidal systems. Europhysics Letters, 2014, 108, 38002. | 2.1 | 16 |
| 179 | Metastability Limit for the Nucleation of NaCl Crystals in Confinement. Journal of Physical Chemistry Letters, 2014, 5, 890-895. | 4.6 | 95 |
| 180 | The interplay of sedimentation and crystallization in hard-sphere suspensions. Soft Matter, 2013, 9, 7369. | 2.7 | 33 |

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|---|---|---|---|
| 181 | Effect of wetting on capillary pumping in microchannels. Scientific Reports, 2013, 3, . | 3.7 | 27 |
| 182 | Orientational order in a glass of charged platelets with a concentration gradient. Soft Matter, 2013, 9, 9999. | 2.7 | 16 |
| 183 | Drop Formation in Non-Newtonian Fluids. Physical Review Letters, 2013, 110, . | 7.8 | 68 |
| 184 | Delayed Capillary Breakup of Falling Viscous Jets. Physical Review Letters, 2013, 110, . | 7.8 | 37 |
| 185 | Direct Measurement of the Free Energy of Aging Hard Sphere Colloidal Glasses. Physical Review Letters, 2013, 110, . | 7.8 | 32 |
| 186 | Rheology across the Zero-Temperature Jamming Transition. Physical Review Letters, 2013, 111, . | 7.8 | 78 |
| 187 | Rheology of concentrated soft and hard-sphere suspensions. Journal of Rheology, 2013, 57, 1195-1209. | 2.9 | 108 |
| 188 | Comparative Study of Crumpling and Folding of Thin Sheets. Physical Review Letters, 2013, 110, . | 7.8 | 64 |
| 189 | Catkin liked nano-Co3O4 catalyst built-in organic microreactor by PEMOCVD method for trace CO oxidation at room temperature. Microfluidics and Nanofluidics, 2013, 16, 141-148. | 2.3 | 11 |
| 190 | Dissipation in quasistatically sheared wet and dry sand under confinement. Physical Review E, 2012, 86, . | 2.1 | 10 |
| 191 | Dynamic interfacial tension effects in the rupture of liquid necks. Journal of Fluid Mechanics, 2012, 692, 499-510. | 3.4 | 42 |
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