Sungchan Yun

List of Publications by Year
in descending order

22 papers	234 citations	1163117 8 h-index	996975 15 g-index
22 all docs	22 docs citations	22 times ranked	177 citing authors

#	Article	IF	Citations
1	The role of oscillation in ellipsoidal drop impact on a solid surface. Journal of Colloid and Interface Science, 2022, 605, 592-601.	9.4	3
2	The role of viscosity ratio in Janus drop impact on macro-ridge structure. Physics of Fluids, 2022, 34, 052115.	4.0	5
3	Characterizing the Bounce and Separation Dynamics of Janus Drop on Macrotextured Surface. Polymers, 2022, 14, 2322.	4.5	1
4	Controlling the rebound on a solid surface by varying impact angles of ellipsoidal drops. Physics of Fluids, 2021, 33, .	4.0	8
5	Bouncing dynamics of spheroidal drops on macro-ridge structure. Physics of Fluids, 2021, 33, 072111.	4.0	5
6	Symmetry-Breaking Drop Bouncing on Superhydrophobic Surfaces with Continuously Changing Curvatures. Polymers, 2021, 13, 2940.	4.5	3
7	Ellipsoidal drop impact on a single-ridge superhydrophobic surface. International Journal of Mechanical Sciences, 2021, 208, 106677.	6.7	12
8	Effect of Viscosity on Bouncing Dynamics of Elliptical Footprint Drops on Non-Wettable Ridged Surfaces. Polymers, 2021, 13, 4296.	4.5	2
9	Enhancing the Asymmetry of Bouncing Ellipsoidal Drops on Curved Surfaces. Langmuir, 2020, 36, 14864-14871.	3.5	5
10	Spreading Dynamics and the Residence Time of Ellipsoidal Drops on a Solid Surface. Langmuir, 2019, 35, 13062-13069.	3.5	18
11	An Exact Solution for Power-Law Fluids in a Slit Microchannel with Different Zeta Potentials under Electroosmotic Forces. Micromachines, 2018, 9, 504.	2.9	8
12	Bouncing characteristics of an elliptical footprint drop on a solid surface. International Journal of Heat and Mass Transfer, 2018, 126, 854-860.	4.8	3
13	Approximate Solution for Electroosmotic Flow of Power-Law Fluids in a Planar Microchannel with Asymmetric Electrochemical Boundary Conditions. Micromachines, 2018, 9, 265.	2.9	7
14	Impact dynamics of egg-shaped drops on a solid surface for suppression of the bounce magnitude. International Journal of Heat and Mass Transfer, 2018, 127, 172-178.	4.8	8
15	Reducing the Bounce Height during Truncated Spherical Drop Impact on a Solid Surface. Langmuir, 2018, 34, 7465-7471.	3.5	3
16	Controlling the residence time of a bouncing drop with asymmetric shaping. Soft Matter, 2018, 14, 4946-4951.	2.7	6
17	Electrohydrodynamic generation of millimetric drops and control of electrification. Applied Physics Letters, 2017, 111, 031905.	3.3	3
18	Bouncing of an ellipsoidal drop on a superhydrophobic surface. Scientific Reports, 2017, 7, 17699.	3.3	34

#	Article	IF	Citations
19	Electroosmotic Flows of Power-Law Fluids with Asymmetric Electrochemical Boundary Conditions in a Rectangular Microchannel. Micromachines, 2017, 8, 165.	2.9	6
20	Control of a bouncing magnitude on a heated substrate via ellipsoidal drop shape. Applied Physics Letters, 2014, 105, .	3.3	23
21	Ellipsoidal drop impact on a solid surface for rebound suppression. Journal of Fluid Mechanics, 2014, 752, 266-281.	3.4	48
22	Suppressing drop rebound by electrically driven shape distortion. Physical Review E, 2013, 87, .	2.1	23