

Sungchan Yun

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Ellipsoidal drop impact on a solid surface for rebound suppression. <i>Journal of Fluid Mechanics</i> , 2014, 752, 266-281. | 3.4 | 48 |
| 2 | Bouncing of an ellipsoidal drop on a superhydrophobic surface. <i>Scientific Reports</i> , 2017, 7, 17699. | 3.3 | 34 |
| 3 | Suppressing drop rebound by electrically driven shape distortion. <i>Physical Review E</i> , 2013, 87, . | 2.1 | 23 |
| 4 | Control of a bouncing magnitude on a heated substrate via ellipsoidal drop shape. <i>Applied Physics Letters</i> , 2014, 105, . | 3.3 | 23 |
| 5 | Spreading Dynamics and the Residence Time of Ellipsoidal Drops on a Solid Surface. <i>Langmuir</i> , 2019, 35, 13062-13069. | 3.5 | 18 |
| 6 | Ellipsoidal drop impact on a single-ridge superhydrophobic surface. <i>International Journal of Mechanical Sciences</i> , 2021, 208, 106677. | 6.7 | 12 |
| 7 | An Exact Solution for Power-Law Fluids in a Slit Microchannel with Different Zeta Potentials under Electroosmotic Forces. <i>Micromachines</i> , 2018, 9, 504. | 2.9 | 8 |
| 8 | Impact dynamics of egg-shaped drops on a solid surface for suppression of the bounce magnitude. <i>International Journal of Heat and Mass Transfer</i> , 2018, 127, 172-178. | 4.8 | 8 |
| 9 | Controlling the rebound on a solid surface by varying impact angles of ellipsoidal drops. <i>Physics of Fluids</i> , 2021, 33, . | 4.0 | 8 |
| 10 | Approximate Solution for Electroosmotic Flow of Power-Law Fluids in a Planar Microchannel with Asymmetric Electrochemical Boundary Conditions. <i>Micromachines</i> , 2018, 9, 265. | 2.9 | 7 |
| 11 | Electroosmotic Flows of Power-Law Fluids with Asymmetric Electrochemical Boundary Conditions in a Rectangular Microchannel. <i>Micromachines</i> , 2017, 8, 165. | 2.9 | 6 |
| 12 | Controlling the residence time of a bouncing drop with asymmetric shaping. <i>Soft Matter</i> , 2018, 14, 4946-4951. | 2.7 | 6 |
| 13 | Bouncing dynamics of spheroidal drops on macro-ridge structure. <i>Physics of Fluids</i> , 2021, 33, 072111. | 4.0 | 5 |
| 14 | Enhancing the Asymmetry of Bouncing Ellipsoidal Drops on Curved Surfaces. <i>Langmuir</i> , 2020, 36, 14864-14871. | 3.5 | 5 |
| 15 | The role of viscosity ratio in Janus drop impact on macro-ridge structure. <i>Physics of Fluids</i> , 2022, 34, 052115. | 4.0 | 5 |
| 16 | Electrohydrodynamic generation of millimetric drops and control of electrification. <i>Applied Physics Letters</i> , 2017, 111, 031905. | 3.3 | 3 |
| 17 | Bouncing characteristics of an elliptical footprint drop on a solid surface. <i>International Journal of Heat and Mass Transfer</i> , 2018, 126, 854-860. | 4.8 | 3 |
| 18 | Reducing the Bounce Height during Truncated Spherical Drop Impact on a Solid Surface. <i>Langmuir</i> , 2018, 34, 7465-7471. | 3.5 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Symmetry-Breaking Drop Bouncing on Superhydrophobic Surfaces with Continuously Changing Curvatures. <i>Polymers</i> , 2021, 13, 2940. | 4.5 | 3 |
| 20 | The role of oscillation in ellipsoidal drop impact on a solid surface. <i>Journal of Colloid and Interface Science</i> , 2022, 605, 592-601. | 9.4 | 3 |
| 21 | Effect of Viscosity on Bouncing Dynamics of Elliptical Footprint Drops on Non-Wettable Ridged Surfaces. <i>Polymers</i> , 2021, 13, 4296. | 4.5 | 2 |
| 22 | Characterizing the Bounce and Separation Dynamics of Janus Drop on Macrotextured Surface. <i>Polymers</i> , 2022, 14, 2322. | 4.5 | 1 |