

# Sepideh Razavi

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

465  
citations

687363

13  
h-index

996975

15  
g-index

17  
all docs

17  
docs citations

17  
times ranked

541  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Collapse of Particle-Laden Interfaces under Compression: Buckling vs Particle Expulsion. <i>Langmuir</i> , 2015, 31, 7764-7775.  | 3.5  | 90        |
| 2  | Using the discrete dipole approximation and holographic microscopy to measure rotational dynamics of non-spherical colloidal particles. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 146, 499-509. | 2.3  | 55        |
| 3  | Mechanical Stability of Polystyrene and Janus Particle Monolayers at the Air/Water Interface. <i>Journal of the American Chemical Society</i> , 2015, 137, 15370-15373.  | 13.7 | 50        |
| 4  | Molecular Dynamics Simulations: Insight into Molecular Phenomena at Interfaces. <i>Langmuir</i> , 2014, 30, 11272-11283.   | 3.5  | 41        |
| 5  | Surface tension anomaly observed for chemically-modified Janus particles at the air/water interface. <i>Journal of Colloid and Interface Science</i> , 2020, 558, 95-99.   | 9.4  | 35        |
| 6  | Impact of Surface Amphiphilicity on the Interfacial Behavior of Janus Particle Layers under Compression. <i>Langmuir</i> , 2019, 35, 15813-15824.  | 3.5  | 33        |
| 7  | Janus Particles at Fluid Interfaces: Stability and Interfacial Rheology. <i>Nanomaterials</i> , 2021, 11, 374.   | 4.1  | 31        |
| 8  | The effect of capillary bridging on the Janus particle stability at the interface of two immiscible liquids. <i>Soft Matter</i> , 2013, 9, 4585.   | 2.7  | 28        |
| 9  | Directed Motion of Metallodielectric Particles by Contact Charge Electrophoresis. <i>Langmuir</i> , 2016, 32, 13167-13173.   | 3.5  | 21        |
| 10 | Nanoparticles at liquid interfaces: Rotational dynamics and angular locking. <i>Journal of Chemical Physics</i> , 2014, 140, 014904.   | 3.0  | 20        |
| 11 | Local Measurement of Janus Particle Cap Thickness. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 30925-30929.  | 8.0  | 18        |
| 12 | Influence of cap weight on the motion of a Janus particle very near a wall. <i>Physical Review E</i> , 2020, 101, 042606.  | 2.1  | 15        |
| 13 | Effect of Janus particles and non-ionic surfactants on the collapse of the oil-water interface under compression. <i>Journal of Colloid and Interface Science</i> , 2022, 609, 158-169.  | 9.4  | 14        |
| 14 | Contamination in Sodium Dodecyl Sulfate Solutions: Insights from the Measurements of Surface Tension and Surface Rheology. <i>Langmuir</i> , 2022, 38, 7179-7189.  | 3.5  | 8         |
| 15 | Coarse Grained Modeling of Multiphase Flows with Surfactants. <i>Polymers</i> , 2022, 14, 543.   | 4.5  | 6         |
| 16 | Coupled Flow and Heat or Mass Transfer. <i>Fluids</i> , 2020, 5, 66.   | 1.7  | 0         |