

# Wenjing Zhou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10066513/publications.pdf>

Version: 2024-02-01

13  
papers

159  
citations

1307594

7  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

94  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Bubble nucleation over patterned surfaces with different wettabilities: Molecular dynamics investigation. <i>International Journal of Heat and Mass Transfer</i> , 2019, 136, 1-9.              | 4.8 | 58        |
| 2  | A molecular dynamics study of surface wettability effects on heterogeneous bubble nucleation. <i>International Communications in Heat and Mass Transfer</i> , 2020, 119, 104991.                | 5.6 | 25        |
| 3  | Coarse-Grained Molecular Dynamics Simulations of the Breakage and Recombination Behaviors of Surfactant Micelles. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 9018-9027. | 3.7 | 16        |
| 4  | Numerical Study on the Gas-Solid Flow in a Spouted Bed Installed with a Controllable Nozzle and a Swirling Flow Generator. <i>ACS Omega</i> , 2020, 5, 1014-1024.                               | 3.5 | 16        |
| 5  | Influence of Longitudinal Vortex Generator Configuration on the Hydrodynamics in a Novel Spouted Bed. <i>Chemical Engineering and Technology</i> , 2018, 41, 1716-1726.                         | 1.5 | 10        |
| 6  | Eulerian-Eulerian Numerical Study of the Flue Gas Desulfurization Process in a Semidry Spouted Bed Reactor. <i>ACS Omega</i> , 2020, 5, 3282-3293.  | 3.5 | 8         |
| 7  | CFD Simulation and Optimization of Mixing Behaviors in a Spouted Bed with a Longitudinal Vortex. <i>ACS Omega</i> , 2019, 4, 8214-8221.   | 3.5 | 7         |
| 8  | Interfacial Interaction Enhanced Rheological Behavior in PAM/CTAC/Salt Aqueous Solution-A Coarse-Grained Molecular Dynamics Study. <i>Polymers</i> , 2020, 12, 265.                             | 4.5 | 5         |
| 9  | Molecular Dynamics Study on the Combined Effects of the Nanostructure and Wettability of Solid Surfaces on Bubble Nucleation. <i>Langmuir</i> , 2022, 38, 1223-1230.                            | 3.5 | 5         |
| 10 | Numerical investigation of gas-solid flow behavior in a novel integral multi-jet spout-fluidized bed. <i>Brazilian Journal of Chemical Engineering</i> , 2020, 37, 213-225.                     | 1.3 | 3         |
| 11 | Effect of Polymer Drag Reducer on Rheological Properties of Rocket Kerosene Solutions. <i>Materials</i> , 2022, 15, 3343.   | 2.9 | 3         |
| 12 | Numerical Investigation on Dropwise Condensation on Rough Structures with and without Non-Condensable Gas. <i>Journal of Thermal Science</i> , 2022, 31, 308-317.                               | 1.9 | 2         |
| 13 | A method for controlling absolute pressures at the entrance and exit of a nanochannel/nanotube. <i>Microfluidics and Nanofluidics</i> , 2019, 23, 1.  | 2.2 | 1         |