

# Wei Wei

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9303824/publications.pdf>

Version: 2024-02-01

16  
papers

282  
citations

933264

10  
h-index

996849

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

252  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Numerical investigation of the maximum erosion zone in elbows for liquid-particle flow. Powder Technology, 2018, 333, 47-59.   | 2.1  | 52        |
| 2  | Numerical simulation of the coneâ€“jet formation and current generation in electrostatic sprayâ€“modeling as regards space charged droplet effect. Journal of Micromechanics and Microengineering, 2013, 23, 015004. | 1.5  | 40        |
| 3  | The role of water content in triboelectric charging of wind-blown sand. Scientific Reports, 2013, 3, 1337.   | 1.6  | 40        |
| 4  | Electrification of particulate entrained fluid flowsâ€“Mechanisms, applications, and numerical methodology. Physics Reports, 2015, 600, 1-53.  | 10.3 | 29        |
| 5  | Large eddy simulation of self-excited oscillation inside Helmholtz oscillator. International Journal of Multiphase Flow, 2020, 126, 103253.  | 1.6  | 21        |
| 6  | Dynamic characteristics of the cavitation clouds of submerged Helmholtz self-sustained oscillation jets from high-speed photography. Journal of Mechanical Science and Technology, 2019, 33, 621-630.                | 0.7  | 20        |
| 7  | An Overview of Surface Conditions in Numerical Simulations of Dust Devils and the Consequent Near-surface Air Flow Fields. Aerosol and Air Quality Research, 2010, 10, 272-281.                                      | 0.9  | 18        |
| 8  | Deformation and mechanical behavior of electrohydrodynamic droplet under external electric field. Chinese Science Bulletin, 2013, 58, 197-205.   | 0.4  | 17        |
| 9  | Drag and heat transfer coefficients for axisymmetric nonspherical particles: A LBM study. Chemical Engineering Journal, 2021, 424, 130391.   | 6.6  | 13        |
| 10 | A Novel Method with Stacking Learning of Data-Driven Soft Sensors for Mud Concentration in a Cutter Suction Dredger. Sensors, 2020, 20, 6075.  | 2.1  | 10        |
| 11 | Numerical simulation of nanoparticle pattern fabricated by electrostatic spray deposition. Particuology, 2013, 11, 20-24.  | 2.0  | 8         |
| 12 | Research on the plume stability of air bubble curtains under low transverse flow velocity environment in dredging engineering. Ocean Engineering, 2021, 232, 109133.   | 1.9  | 6         |
| 13 | Investigation of Plume Offset Characteristics in Bubble Columns by Eulerâ€“Euler Simulation. Processes, 2020, 8, 795.  | 1.3  | 3         |
| 14 | Particle charging mechanism and numerical methodology for industrial applications. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 168301.  | 0.2  | 3         |
| 15 | Design and Optimization of the Inlet Header Structure in Microchannel Heat Exchanger Based on Flow Distribution Uniformity. Applied Sciences (Switzerland), 2022, 12, 6604.  | 1.3  | 2         |
| 16 | Lattice Boltzmann model for the low-Mach number variable-density flow. Physics of Fluids, 2022, 34, 066112.  | 1.6  | 0         |