

Wei-Wei Yan

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

389
citations

840585

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794469

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33
all docs

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docs citations

33
times ranked

383
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Simulations of natural convection heat transfer in an enclosure at different Rayleigh number using lattice Boltzmann method. <i>Computers and Fluids</i> , 2016, 124, 30-38. | 1.3 | 55 |
| 2 | Effects of wall shear stress and its gradient on tumor cell adhesion in curved microvessels. <i>Biomechanics and Modeling in Mechanobiology</i> , 2012, 11, 641-653. | 1.4 | 35 |
| 3 | Lattice Boltzmann investigation of droplets impact behaviors onto a solid substrate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 484, 318-328. | 2.3 | 33 |
| 4 | Fluid Dynamics of Flapping Insect Wing in Ground Effect. <i>Journal of Bionic Engineering</i> , 2014, 11, 52-60. | 2.7 | 30 |
| 5 | LATTICE BOLTZMANN SIMULATION ON NATURAL CONVECTION HEAT TRANSFER IN A TWO-DIMENSIONAL CAVITY FILLED WITH HETEROGENEOUSLY POROUS MEDIUM. <i>International Journal of Modern Physics C</i> , 2006, 17, 771-783. | 0.8 | 29 |
| 6 | Effects of curvature and cell-cell interaction on cell adhesion in microvessels. <i>Biomechanics and Modeling in Mechanobiology</i> , 2010, 9, 629-640. | 1.4 | 27 |
| 7 | Ground effect on the power extraction performance of a flapping wing biomimetic energy generator. <i>Journal of Fluids and Structures</i> , 2015, 54, 247-262. | 1.5 | 25 |
| 8 | Numerical investigation on characteristic flow regions for three staggered stationary circular cylinders. <i>European Journal of Mechanics, B/Fluids</i> , 2016, 60, 48-61. | 1.2 | 17 |
| 9 | Numerical investigation of vortex suppression regions for three staggered circular cylinders. <i>European Journal of Mechanics, B/Fluids</i> , 2016, 55, 207-214. | 1.2 | 16 |
| 10 | Numerical simulation of air flow through a biofilter with heterogeneous porous media. <i>Bioresource Technology</i> , 2008, 99, 2156-2161. | 4.8 | 15 |
| 11 | Local effective viscosity of gas in nano-scale channels. <i>European Journal of Mechanics, B/Fluids</i> , 2017, 64, 55-59. | 1.2 | 14 |
| 12 | Numerical study on abnormal airflow patterns and particle deposition characteristics in the realistic HUA model with pharyngeal obstruction. <i>Powder Technology</i> , 2019, 356, 148-161. | 2.1 | 13 |
| 13 | Numerical Investigation of Flow Characteristics in the Obstructed Realistic Human Upper Airway. <i>Computational and Mathematical Methods in Medicine</i> , 2016, 2016, 1-10. | 0.7 | 11 |
| 14 | Quantitative prediction of elongation deformation and shape relaxation of a red blood cell under tensile and shear stresses. <i>Physics of Fluids</i> , 2021, 33, . | 1.6 | 11 |
| 15 | LBM simulations on the influence of endothelial SGL structure on cell adhesion in the micro-vessels. <i>Computers and Mathematics With Applications</i> , 2019, 78, 1182-1193. | 1.4 | 9 |
| 16 | Numerical study on targeted delivery of magnetic drug particles in realistic human lung. <i>Powder Technology</i> , 2022, 397, 116984. | 2.1 | 9 |
| 17 | Large eddy simulation of film cooling flow from cylindrical hole with dielectric barrier discharge plasma actuators. <i>Applied Thermal Engineering</i> , 2019, 155, 277-288. | 3.0 | 8 |
| 18 | A new criterion of coalescence-induced microbubble detachment in three-dimensional microfluidic channel. <i>Physics of Fluids</i> , 2021, 33, . | 1.6 | 8 |

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|----|--|-----|-----------|
| 19 | Effect of non-isothermal condition on heterogeneous flow through biofilter media by lattice Boltzmann simulation. Journal of Chemical Technology and Biotechnology, 2013, 88, 456-461. | 1.6 | 5 |
| 20 | Numerical comparison of saw-tooth plasma actuators for film cooling flow control over a flat plate. International Journal of Thermal Sciences, 2021, 163, 106807. | 2.6 | 5 |
| 21 | FRactal ANALYSIS AND NUMERICAL SIMULATION ON PULSATING FLOW PATTERNS IN A THREE-DIMENSIONAL BRONCHIAL TREE. Fractals, 2021, 29, 2150053. | 1.8 | 4 |
| 22 | Design and analysis of flow rectifier of gas turbine flowmeter. Thermal Science, 2013, 17, 1504-1507. | 0.5 | 3 |
| 23 | Numerical simulation on the reduction of flow heterogeneity in the biofilter media. International Journal of Modern Physics C, 2016, 27, 1650086. | 0.8 | 3 |
| 24 | Study on Eliminating Spurious Eddies at the Interfaces of Two-Phase Flows Using Lattice Boltzmann Simulations. Journal of Computational Multiphase Flows, 2014, 6, 127-131. | 0.8 | 1 |
| 25 | Methods of obtaining, verifying, and reusing optimal biological solutions. Cogent Engineering, 2017, 4, 1306951. | 1.1 | 1 |
| 26 | Numerical simulations and experimental measurements on flow features in a patient-specific upper airway model with obstructive sleep apnea. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 461-470. | 1.1 | 1 |
| 27 | Flow Simulation in the Upper Respiratory Tract of Two Obstructive Sleep Apnea Patients with Successful and Failed Surgery. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-12. | 0.7 | 1 |
| 28 | Effects of divalent cations on cell adhesion between human neutrophil and endothelial ligand VCAM-1: a lattice Boltzmann analysis. Procedia Computer Science, 2011, 4, 1039-1047. | 1.2 | 0 |
| 29 | Simulation of flow through porous anode in MFC at higher power density. Theoretical and Applied Mechanics Letters, 2012, 2, 022003. | 1.3 | 0 |
| 30 | Microparticle transport and deposition from electrokinetic microflow in a 90° bend. Journal of Hydrodynamics, 2013, 25, 535-541. | 1.3 | 0 |
| 31 | Mechanical Mechanism of Circadian Fluctuations Regulated Haematopoietic Stems Cell Release. , 2011, , . | | 0 |
| 32 | Effect of environmental condition on ventilation rate of special standard bars. Thermal Science, 2014, 18, 1493-1496. | 0.5 | 0 |