

Lajos Szalmas

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10642987/publications.pdf>

Version: 2024-02-01

19
papers

236
citations

1163117

8
h-index

996975

15
g-index

19
all docs

19
docs citations

19
times ranked

146
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative study between computational and experimental results for binary rarefied gas flows through long microchannels. <i>Microfluidics and Nanofluidics</i> , 2010, 9, 1103-1114.	2.2	42
2	Slip-flow boundary condition for straight walls in the lattice Boltzmann model. <i>Physical Review E</i> , 2006, 73, 066710.	2.1	31
3	Rarefied gas flow of binary mixtures through long channels with triangular and trapezoidal cross sections. <i>Microfluidics and Nanofluidics</i> , 2010, 9, 471-487.	2.2	29
4	A fast iterative model for discrete velocity calculations on triangular grids. <i>Journal of Computational Physics</i> , 2010, 229, 4315-4326.	3.8	21
5	Variance-reduced DSMC for binary gas flows as defined by the McCormack kinetic model. <i>Journal of Computational Physics</i> , 2012, 231, 3723-3738.	3.8	19
6	SLIP ON CURVED BOUNDARIES IN THE LATTICE BOLTZMANN MODEL. <i>International Journal of Modern Physics C</i> , 2007, 18, 15-24.	1.7	15
7	Accelerated discrete velocity method for axial-symmetric gaseous flows. <i>Computer Physics Communications</i> , 2013, 184, 1432-1438.	7.5	9
8	Accelerated discrete velocity method for axial-symmetric flows of gaseous mixtures as defined by the McCormack kinetic model. <i>Computer Physics Communications</i> , 2013, 184, 2430-2437.	7.5	8
9	Isothermal flows of rarefied ternary gas mixtures in long tubes. <i>Microfluidics and Nanofluidics</i> , 2014, 17, 1095-1104.	2.2	8
10	Analysis of the diodic effect of flows of rarefied gases in tapered rectangular channels. <i>Vacuum</i> , 2015, 120, 147-154.	3.5	8
11	Viscous velocity, diffusion and thermal slip coefficients for ternary gas mixtures. <i>European Journal of Mechanics, B/Fluids</i> , 2015, 53, 264-271.	2.5	8
12	An accelerated discrete velocity method for flows of rarefied ternary gas mixtures in long rectangular channels. <i>Computers and Fluids</i> , 2016, 128, 91-97.	2.5	8
13	Variance-reduced DSMC method for axial-symmetric flows of gaseous mixtures. <i>Computers and Fluids</i> , 2013, 74, 58-65.	2.5	6
14	Flows of rarefied gaseous mixtures in networks of long channels. <i>Microfluidics and Nanofluidics</i> , 2013, 15, 817-827.	2.2	6
15	Pressure driven flows of rarefied gases through long channels with double trapezoidal cross-sections. <i>Vacuum</i> , 2014, 109, 302-307.	3.5	5
16	Heat transfer in ternary rarefied gas mixtures between two parallel plates. <i>European Journal of Mechanics, B/Fluids</i> , 2016, 57, 152-158.	2.5	4
17	A fast iterative discrete velocity method for ternary gas mixtures flowing through long tubes. <i>Computer Physics Communications</i> , 2016, 200, 44-49.	7.5	4
18	Variable slip coefficient in binary lattice Boltzmann models. <i>Open Physics</i> , 2008, 6, .	1.7	3

#	ARTICLE	IF	CITATIONS
19	LATTICE BOLTZMANN METHOD WITH OPTIMIZED BOUNDARY LAYER AT FINITE KNUDSEN NUMBERS. International Journal of Modern Physics C, 2008, 19, 249-257.	1.7	2