

Liliane Barichello

List of Publications by Year in descending order

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25
papers

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citations

1163117

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16
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25
all docs

25
docs citations

25
times ranked

66
citing authors

#	ARTICLE	IF	CITATIONS
1	Unified solutions to classical flow problems based on the BGK model. Zeitschrift Fur Angewandte Mathematik Und Physik, 2001, 52, 517-534.	1.4	72
2	The temperature-jump problem in rarefied-gas dynamics. European Journal of Applied Mathematics, 2000, 11, 353-364.	2.9	33
3	The temperature-jump problem for a variable collision frequency model. Physics of Fluids, 2002, 14, 382-391.	4.0	32
4	An analytical approach to the unified solution of kinetic equations in rarefied gas dynamics. I. Flow problems. Zeitschrift Fur Angewandte Mathematik Und Physik, 2009, 60, 70-115.	1.4	17
5	A Discrete Ordinate Solution for a Polarization Model with Complete Frequency Redistribution. Astrophysical Journal, 1999, 513, 370-382.	4.5	14
6	Recent Studies on the Asymptotic Convergence of the Spatial Discretization for Two-Dimensional Discrete Ordinate Solutions. Journal of Computational and Theoretical Transport, 2016, 45, 299-313.	0.8	14
7	The ADO-nodal method for solving two-dimensional discrete ordinate transport problems. Annals of Nuclear Energy, 2017, 108, 376-385.	1.8	13
8	Explicit formulation of a nodal transport method for discrete ordinate calculations in two-dimensional fixed-source problems. Kerntechnik, 2014, 79, 155-162.	0.2	12
9	An analytical approach for solving a nodal formulation of two-dimensional fixed-source neutron transport problems with linearly anisotropic scattering. Progress in Nuclear Energy, 2017, 98, 193-201.	2.9	10
10	On the Temperature Jump Problem in Rarefied Gas Dynamics: The Effect of the Cercignani-Lampis Boundary Condition. SIAM Journal on Applied Mathematics, 2006, 66, 2149-2186.	1.8	7
11	Unified solutions to some classical problems in rarefied gas dynamics based on the one-dimensional linearized S-model equations. Zeitschrift Fur Angewandte Mathematik Und Physik, 2006, 57, 285-312.	1.4	7
12	An analytical approach to the unified solution of kinetic equations in the rarefied gas dynamics. II. Heat transfer problems. Zeitschrift Fur Angewandte Mathematik Und Physik, 2009, 60, 651-687.	1.4	7
13	General Expressions for Auxiliary Equations of a Nodal Formulation for Two-Dimensional Transport Calculations. Journal of Computational and Theoretical Transport, 2014, 43, 352-373.	0.8	5
14	Unified Approach for Variable Collision Frequency Models in Rarefied Gas Dynamics. Transport Theory and Statistical Physics, 2004, 33, 227-260.	0.4	4
15	Energy Dependent Source Reconstructions via Explicit Formulations of the Adjoint Particles Flux. Journal of Computational and Theoretical Transport, 2018, 47, 58-83.	0.8	4
16	An analytical approach for a nodal formulation of a two-dimensional fixed-source neutron transport problem in heterogeneous medium. Kerntechnik, 2015, 80, 167-173.	0.2	3
17	On the application of the ADO method to the solution of two-dimensional radiative transfer problems in anisotropic scattering media. International Journal of Thermal Sciences, 2022, 179, 107685.	4.9	3
18	An analytical approach to the unified solution of kinetic equations in rarefied gas dynamics. III. Evaporation and condensation problems. Zeitschrift Fur Angewandte Mathematik Und Physik, 2010, 61, 95-117.	1.4	2

#	ARTICLE	IF	CITATIONS
19	On the use of the adjoint operator for source reconstruction in particle transport problems. <i>Inverse Problems in Science and Engineering</i> , 2019, 27, 513-539.	1.2	2
20	Recent Studies on Two-Dimensional Radiative Transfer Problems in Anisotropic Scattering Media. <i>Journal of Computational and Theoretical Transport</i> , 2020, 49, 233-266.	0.8	2
21	A study on the solution of the spatial kinetics equations in the neutron diffusion theory. <i>Progress in Nuclear Energy</i> , 2022, 145, 104113.	2.9	2
22	A Bayesian approach for neutral particles source estimation. <i>Inverse Problems in Science and Engineering</i> , 2021, 29, 95-130.	1.2	0
23	Formulaes espectrais para soluçŁo de problemas de transporte de partculas. <i>CiŁncia E Natura</i> , 0, 42, e39.	0.0	0
24	CŁculo de criticalidade pela teoria de difusŁo de nŁutrons: uma anŁlise comparativa de aproximaŁo da densidade de corrente. <i>REMAT Revista EletrŁnica Da MatemŁtica</i> , 2020, 6, e4006.	0.0	0
25	A Nodal-iterative Technique for Criticality Calculations in Multigroup Neutron Diffusion Models. <i>Trends in Computational and Applied Mathematics</i> , 2022, 23, 315-334.	0.2	0