

# 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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940533

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g-index

25  
all docs

25  
docs citations

25  
times ranked

66  
citing authors

#	ARTICLE	IF	CITATIONS
1	A study on the solution of the spatial kinetics equations in the neutron diffusion theory. Progress in Nuclear Energy, 2022, 145, 104113.	2.9	2
2	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
3	A Nodal-iterative Technique for Criticality Calculations in Multigroup Neutron Diffusion Models. Trends in Computational and Applied Mathematics, 2022, 23, 315-334.	0.2	0
4	A Bayesian approach for neutral particles source estimation. Inverse Problems in Science and Engineering, 2021, 29, 95-130.	1.2	0
5	Recent Studies on Two-Dimensional Radiative Transfer Problems in Anisotropic Scattering Media. Journal of Computational and Theoretical Transport, 2020, 49, 233-266.	0.8	2
6	Cálculo de criticalidade pela teoria de difusão de nêutrons: uma análise comparativa de aproximação da densidade de corrente. REMAT Revista Eletrônica Da Matemática, 2020, 6, e4006.	0.0	0
7	On the use of the adjoint operator for source reconstruction in particle transport problems. Inverse Problems in Science and Engineering, 2019, 27, 513-539.	1.2	2
8	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
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	The ADO-nodal method for solving two-dimensional discrete ordinates transport problems. Annals of Nuclear Energy, 2017, 108, 376-385.	1.8	13
11	Recent Studies on the Asymptotic Convergence of the Spatial Discretization for Two-Dimensional Discrete Ordinates Solutions. Journal of Computational and Theoretical Transport, 2016, 45, 299-313.	0.8	14
12	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
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	Explicit formulation of a nodal transport method for discrete ordinates calculations in two-dimensional fixed-source problems. Kerntechnik, 2014, 79, 155-162.	0.2	12
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Unified solutions to some classical problems in rarefied gas dynamics based on the one-dimensional linearized S-model equations. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2006, 57, 285-312.	1.4	7
20	Unified Approach for Variable Collision-Frequency Models in Rarefied Gas Dynamics. <i>Transport Theory and Statistical Physics</i> , 2004, 33, 227-260.	0.4	4
21	The temperature-jump problem for a variable collision frequency model. <i>Physics of Fluids</i> , 2002, 14, 382-391.	4.0	32
22	Unified solutions to classical flow problems based on the BGK model. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2001, 52, 517-534.	1.4	72
23	The temperature-jump problem in rarefied-gas dynamics. <i>European Journal of Applied Mathematics</i> , 2000, 11, 353-364.	2.9	33
24	A Discrete-Ordinates Solution for a Polarization Model with Complete Frequency Redistribution. <i>Astrophysical Journal</i> , 1999, 513, 370-382.	4.5	14
25	Formulações espectrais para solução de problemas de transporte de partículas. <i>Ciência E Natura</i> , 0, 42, e39.	0.0	0