

Srboljub Simic

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8964960/srboljub-simic-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24
papers

377
citations

9
h-index

19
g-index

24
ext. papers

431
ext. citations

2
avg, IF

3.86
L-index

#	Paper	IF	Citations
24	Maximum entropy principle approach to a non-isothermal Maxwell-Stefan diffusion model. <i>Applied Mathematics Letters</i> , 2022 , 129, 107949	3.5	
23	Shock Structure and Relaxation in the Multi-Component Mixture of Euler Fluids. <i>Symmetry</i> , 2021 , 13, 955	2.7	1
22	Non-equilibrium theories of rarefied gases: internal variables and extended thermodynamics. <i>Continuum Mechanics and Thermodynamics</i> , 2021 , 33, 307-325	3.5	7
21	Shock structure and entropy growth in a gaseous binary mixture with viscous and thermal dissipation. <i>Wave Motion</i> , 2021 , 100, 102661	1.8	1
20	Open Mathematical Aspects of Continuum Thermodynamics: Hyperbolicity, Boundaries and Nonlinearities. <i>Symmetry</i> , 2020 , 12, 1469	2.7	4
19	Entropy growth and entropy production rate in binary mixture shock waves. <i>Physical Review E</i> , 2019 , 100, 023119	2.4	4
18	A Zel'dovich-Zvon Neumann-Ding-like detonation wave in a multi-temperature mixture. <i>Journal of Fluid Mechanics</i> , 2019 , 869, 674-705	3.7	1
17	Non-equilibrium diffusion temperatures in mixture of gases via Maxwellian iteration. <i>Ricerche Di Matematica</i> , 2017 , 66, 293-312	0.9	4
16	Polyatomic gases with dynamic pressure: Kinetic non-linear closure and the shock structure. <i>International Journal of Non-Linear Mechanics</i> , 2017 , 92, 160-175	2.8	13
15	Stability of Levitron™ revisited. <i>Theoretical and Applied Mechanics</i> , 2017 , 44, 255-270	0.4	
14	Moment closure hierarchies for rarefied gases. <i>Theoretical and Applied Mechanics</i> , 2015 , 42, 261-276	0.4	2
13	The Structure of Shock Waves in Dissipative Hyperbolic Models. <i>Springer Proceedings in Mathematics and Statistics</i> , 2015 , 335-353	0.2	
12	Moment Equations for Polyatomic Gases. <i>Acta Applicandae Mathematicae</i> , 2014 , 132, 469-482	1.1	9
11	Shock structure and temperature overshoot in macroscopic multi-temperature model of mixtures. <i>Physics of Fluids</i> , 2014 , 26, 106102	4.4	24
10	Maximum entropy principle for rarefied polyatomic gases. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013 , 392, 1302-1317	3.3	77
9	Shock structure in helium-argon mixture – a comparison of hyperbolic multi-temperature model with experiment. <i>Europhysics Letters</i> , 2013 , 102, 44002	1.6	25
8	Shock Structure in the Mixture of Gases: Stability and Bifurcation of Equilibria 2011 ,		4

7	Average temperature and Maxwellian iteration in multitemperature mixtures of fluids. <i>Physical Review E</i> , 2009 , 80, 026317	2.4	35
6	Shock structure in continuum models of gas dynamics: stability and bifurcation analysis. <i>Nonlinearity</i> , 2009 , 22, 1337-1366	1.7	16
5	Variational problems with fractional derivatives: Invariance conditions and Noether theorem. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009 , 71, 1504-1517	1.3	97
4	A note on shock profiles in dissipative hyperbolic and parabolic models. <i>Publications De L'Institut Mathematique</i> , 2008 , 84, 97-107	0.2	1
3	On the hyperbolic system of a mixture of Eulerian fluids: a comparison between single- and multi-temperature models. <i>Mathematical Methods in the Applied Sciences</i> , 2007 , 30, 827-849	2.3	49
2	A variational approach to the shock structure problem. <i>Theoretical and Applied Mechanics</i> , 2005 , 32, 39-63.	0.4	
1	On the symmetry approach to polynomial conservation laws of one-dimensional Lagrangian systems. <i>International Journal of Non-Linear Mechanics</i> , 2002 , 37, 197-211	2.8	3