

Srboljub Simic

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8964960/srboljub-simic-publications-by-citations.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	Variational problems with fractional derivatives: Invariance conditions and Noether theorem. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009 , 71, 1504-1517	1.3	97
23	Maximum entropy principle for rarefied polyatomic gases. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013 , 392, 1302-1317	3.3	77
22	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
21	Average temperature and Maxwellian iteration in multitemperature mixtures of fluids. <i>Physical Review E</i> , 2009 , 80, 026317	2.4	35
20	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
19	Shock structure and temperature overshoot in macroscopic multi-temperature model of mixtures. <i>Physics of Fluids</i> , 2014 , 26, 106102	4.4	24
18	Shock structure in continuum models of gas dynamics: stability and bifurcation analysis. <i>Nonlinearity</i> , 2009 , 22, 1337-1366	1.7	16
17	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
16	Moment Equations for Polyatomic Gases. <i>Acta Applicandae Mathematicae</i> , 2014 , 132, 469-482	1.1	9
15	Non-equilibrium theories of rarefied gases: internal variables and extended thermodynamics. <i>Continuum Mechanics and Thermodynamics</i> , 2021 , 33, 307-325	3.5	7
14	Non-equilibrium diffusion temperatures in mixture of gases via Maxwellian iteration. <i>Ricerche Di Matematica</i> , 2017 , 66, 293-312	0.9	4
13	Entropy growth and entropy production rate in binary mixture shock waves. <i>Physical Review E</i> , 2019 , 100, 023119	2.4	4
12	Shock Structure in the Mixture of Gases: Stability and Bifurcation of Equilibria 2011 ,		4
11	Open Mathematical Aspects of Continuum Thermodynamics: Hyperbolicity, Boundaries and Nonlinearities. <i>Symmetry</i> , 2020 , 12, 1469	2.7	4
10	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
9	Moment closure hierarchies for rarefied gases. <i>Theoretical and Applied Mechanics</i> , 2015 , 42, 261-276	0.4	2
8	A Zel'dovich-On Neumann-Ding-like detonation wave in a multi-temperature mixture. <i>Journal of Fluid Mechanics</i> , 2019 , 869, 674-705	3.7	1

7	A note on shock profiles in dissipative hyperbolic and parabolic models. <i>Publications De LInstitut Mathematique</i> , 2008 , 84, 97-107	0.2	1
6	Shock Structure and Relaxation in the Multi-Component Mixture of Euler Fluids. <i>Symmetry</i> , 2021 , 13, 955	2.7	1
5	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
4	Maximum entropy principle approach to a non-isothermal MaxwellStefan diffusion model. <i>Applied Mathematics Letters</i> , 2022 , 129, 107949	3.5	
3	A variational approach to the shock structure problem. <i>Theoretical and Applied Mechanics</i> , 2005 , 32, 39-63.4		
2	The Structure of Shock Waves in Dissipative Hyperbolic Models. <i>Springer Proceedings in Mathematics and Statistics</i> , 2015 , 335-353	0.2	
1	Stability of Levitron™ revisited. <i>Theoretical and Applied Mechanics</i> , 2017 , 44, 255-270	0.4	