

Julian Koellermeier

List of Publications by Year in Descending Order

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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.

15 papers	80 citations	5 h-index	8 g-index
17 ext. papers	113 ext. citations	1.8 avg, IF	3.05 L-index

#	Paper	IF	Citations
15	Steady states and well-balanced schemes for shallow water moment equations with topography. <i>Applied Mathematics and Computation</i> , 2022 , 427, 127166	2.7	
14	Projective Integration for Hyperbolic Shallow Water Moment Equations. <i>Axioms</i> , 2022 , 11, 235	1.6	
13	On the efficient implementation of PVM methods and simple Riemann solvers. Application to the Roe method for large hyperbolic systems. <i>Applied Mathematics and Computation</i> , 2021 , 388, 125544	2.7	
12	Projective integration schemes for hyperbolic moment equations. <i>Kinetic and Related Models</i> , 2021 , 14, 353	2.4	2
11	Accelerating the Convergence of the Moment Method for the Boltzmann Equation Using Filters. <i>Journal of Scientific Computing</i> , 2020 , 84, 1	2.3	8
10	Diagram notation for the derivation of hyperbolic moment systems. <i>Communications in Mathematical Sciences</i> , 2020 , 18, 1149-1177	1	3
9	Projective Integration for Moment Models of the BGK Equation. <i>Lecture Notes in Computer Science</i> , 2020 , 321-333	0.9	0
8	Spline moment models for the one-dimensional Boltzmann-Bhatnagar-Gross-Krook equation. <i>Physics of Fluids</i> , 2020 , 32, 102009	4.4	2
7	Error estimators for adaptive simulation of rarefied gases using hyperbolic moment models 2019 ,		1
6	Two-Dimensional Simulation of Rarefied Gas Flows Using Quadrature-Based Moment Equations. <i>Multiscale Modeling and Simulation</i> , 2018 , 16, 1059-1084	1.8	5
5	Simplified Hyperbolic Moment Equations. <i>Springer Proceedings in Mathematics and Statistics</i> , 2018 , 221-232	0.2	
4	Numerical Study of Partially Conservative Moment Equations in Kinetic Theory. <i>Communications in Computational Physics</i> , 2017 , 21, 981-1011	2.4	13
3	Model Reduction of Kinetic Equations by Operator Projection. <i>Journal of Statistical Physics</i> , 2016 , 162, 457-486	1.5	23
2	A framework for hyperbolic approximation of kinetic equations using quadrature-based projection methods. <i>Kinetic and Related Models</i> , 2014 , 7, 531-549	2.4	22
1	Equilibrium stability analysis of hyperbolic shallow water moment equations. <i>Mathematical Methods in the Applied Sciences</i> ,	2.3	1