Julian Koellermeier

List of Publications by Citations

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

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