M Paul Laiu

List of Publications by Year
in descending order

8 papers	52 citations	1937685 4 h-index	1720034 7 g-index
8 all docs	8 docs citations	8 times ranked	48 citing authors

#	Article	IF	Citations
1	Positive Filtered P$\_N$ Moment Closures for Linear Kinetic Equations. SIAM Journal on Numerical Analysis, 2016, 54, 3214-3238.	2.3	16
2	A DG-IMEX Method for Two-moment Neutrino Transport: Nonlinear Solvers for Neutrino–Matter Coupling*. Astrophysical Journal, Supplement Series, 2021, 253, 52.	7.7	12
3	A Positive Asymptotic-Preserving Scheme for Linear Kinetic Transport Equations. SIAM Journal of Scientific Computing, 2019, 41, A1500-A1526.	2.8	7
4	Positivity Limiters for Filtered Spectral Approximations of Linear Kinetic Transport Equations. Journal of Scientific Computing, 2019, 78, 918-950.	2.3	6
5	A constraint-reduced MPC algorithm for convex quadratic programming, with a modified active set identification scheme. Computational Optimization and Applications, 2019, 72, 727-768.	1.6	5
6	A fast implicit solver for semiconductor models in one space dimension. Journal of Computational Physics, 2020, 417, 109567.	3.8	4
7	thornado-transport: Anderson- and GPU-accelerated nonlinear solvers for neutrino-matter coupling1. Journal of Physics: Conference Series, 2020, 1623, 012013.	0.4	2
8	An infeasible-start framework for convex quadratic optimization, with application to constraint-reduced interior-point and other methods. Mathematical Programming, 0, , 1.	2.4	0