Svetlana Tokareva

List of Publications by Year
in descending order

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19	359	933447 10	888059 17
papers	citations	h-index	g-index

20	20	20	226
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	HLLC-type Riemann solver for the Baerâ€“Nunziato equations of compressible two-phase flow. Journal of Computational Physics, 2010, 229, 3573-3604.	3.8	124
2	A high-order nonconservative approach for hyperbolic equations in fluid dynamics. Computers and Fluids, 2018, 169, 10-22.	2.5	32
3	Analysis of the SBP-SAT Stabilization for Finite Element Methods Part I: Linear Problems. Journal of Scientific Computing, 2020, 85, 43.	2.3	31
4	Numerical Solution of Scalar Conservation Laws with Random Flux Functions. SIAM-ASA Journal on Uncertainty Quantification, 2016, 4, 552-591.	2.0	28
5	High-order residual distribution scheme for the time-dependent Euler equations of fluid dynamics. Computers and Mathematics With Applications, 2019, 78, 274-297.	2.7	24
6	Analysis of the SBP-SAT Stabilization for Finite Element Methods Part II: Entropy Stability. Communications on Applied Mathematics and Computation, 2023, 5, 573-595.	1.7	21
7	Staggered Grid Residual Distribution Scheme for Lagrangian Hydrodynamics. SIAM Journal of Scientific Computing, 2017, 39, A2317-A2344.	2.8	17
8	High order approximation of probabilistic shock profiles in hyperbolic conservation laws with uncertain initial data. ESAIM: Mathematical Modelling and Numerical Analysis, 2013, 47, 807-835.	1.9	16
9	A flux splitting method for the Baerâ€“Nunziato equations of compressible two-phase flow. Journal of Computational Physics, 2016, 323, 45-74.	3.8	14
10	Model order reduction for parametrized nonlinear hyperbolic problems as an application to uncertainty quantification. Journal of Computational and Applied Mathematics, 2019, 348, 466-489.	2.0	14
11	Multidimensional Staggered Grid Residual Distribution Scheme for Lagrangian Hydrodynamics. SIAM Journal of Scientific Computing, 2020, 42, A343-A370.	2.8	9
12	Solving gas dynamics problems with shock waves using the Runge-Kutta discontinuous Galerkin method. Mathematical Models and Computer Simulations, 2009, 1, 635-645.	0.5	6
13	A machine learning approach for detecting shocks with high-order hydrodynamic methods. , 2020, , .		6
14	Low-dissipation centred schemes for hyperbolic equations in conservative and non-conservative form. Journal of Computational Physics, 2020, 416, 109545.	3.8	6
15	Uncertainty quantification methodology for hyperbolic systems with application to blood flow in arteries. Journal of Computational Physics, 2019, 386, 405-427.	3.8	5
16	High Order SFV and Mixed SDG/FV Methods for the Uncertainty Quantification in Multidimensional Conservation Laws. Lecture Notes in Computational Science and Engineering, 2014, , 109-133.	0.3	4
17	A Problem-Independent Slope Limiting Algorithm for the Runge-Kutta Discontinuous Galerkin Method. Computational Methods in Applied Mathematics, 2010, 10, 326-342.	0.8	1
18	How to Avoid Mass Matrix for Linear Hyperbolic Problems. Lecture Notes in Computational Science and Engineering, 2016, , 75-86.	0.3	1

#	Article	IF	Citations
19	A Flux Splitting Method for the Baer-Nunziato Equations of Compressible Two-Phase Flow. Springer Proceedings in Mathematics and Statistics, 2017, , 127-135.	0.2	0