

Svetlana Tokareva

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

359
citations

933447

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888059

17
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20
times ranked

226
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | Analysis of the SBP-SAT Stabilization for Finite Element Methods Part I: Linear Problems. Journal of Scientific Computing, 2020, 85, 43. | 2.3 | 31 |
| 3 | A machine learning approach for detecting shocks with high-order hydrodynamic methods. , 2020, , . | | 6 |
| 4 | Multidimensional Staggered Grid Residual Distribution Scheme for Lagrangian Hydrodynamics. SIAM Journal of Scientific Computing, 2020, 42, A343-A370. | 2.8 | 9 |
| 5 | Low-dissipation centred schemes for hyperbolic equations in conservative and non-conservative form. Journal of Computational Physics, 2020, 416, 109545. | 3.8 | 6 |
| 6 | 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 |
| 7 | Uncertainty quantification methodology for hyperbolic systems with application to blood flow in arteries. Journal of Computational Physics, 2019, 386, 405-427. | 3.8 | 5 |
| 8 | 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 |
| 9 | A high-order nonconservative approach for hyperbolic equations in fluid dynamics. Computers and Fluids, 2018, 169, 10-22. | 2.5 | 32 |
| 10 | Staggered Grid Residual Distribution Scheme for Lagrangian Hydrodynamics. SIAM Journal of Scientific Computing, 2017, 39, A2317-A2344. | 2.8 | 17 |
| 11 | 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 |
| 12 | A flux splitting method for the Baer-Nunziato equations of compressible two-phase flow. Journal of Computational Physics, 2016, 323, 45-74. | 3.8 | 14 |
| 13 | Numerical Solution of Scalar Conservation Laws with Random Flux Functions. SIAM-ASA Journal on Uncertainty Quantification, 2016, 4, 552-591. | 2.0 | 28 |
| 14 | How to Avoid Mass Matrix for Linear Hyperbolic Problems. Lecture Notes in Computational Science and Engineering, 2016, , 75-86. | 0.3 | 1 |
| 15 | 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 |
| 16 | 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 |
| 17 | HLLC-type Riemann solver for the Baer-Nunziato equations of compressible two-phase flow. Journal of Computational Physics, 2010, 229, 3573-3604. | 3.8 | 124 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Solving gas dynamics problems with shock waves using the Runge-Kutta discontinuous Galerkin method. <i>Mathematical Models and Computer Simulations</i> , 2009, 1, 635-645. | 0.5 | 6 |