

Daisuke Furihata

List of Publications by Year in descending order

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14
papers

655
citations

1307594

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1125743

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docs citations

14
times ranked

327
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A stable and conservative finite difference scheme for the Cahn-Hilliard equation. <i>Numerische Mathematik</i> , 2001, 87, 675-699. | 1.9 | 214 |
| 2 | Finite Difference Schemes for $\hat{u}_t = (\hat{u}, \hat{x}) \hat{L} \hat{u}$ That Inherit Energy Conservation or Dissipation Property. <i>Journal of Computational Physics</i> , 1999, 156, 181-205. | 3.8 | 132 |
| 3 | Dissipative or Conservative Finite-Difference Schemes for Complex-Valued Nonlinear Partial Differential Equations. <i>Journal of Computational Physics</i> , 2001, 171, 425-447. | 3.8 | 112 |
| 4 | Finite-difference schemes for nonlinear wave equation that inherit energy conservation property. <i>Journal of Computational and Applied Mathematics</i> , 2001, 134, 37-57. | 2.0 | 98 |
| 5 | A stable, convergent, conservative and linear finite difference scheme for the Cahn-Hilliard equation. <i>Japan Journal of Industrial and Applied Mathematics</i> , 2003, 20, 65-85. | 0.9 | 30 |
| 6 | Spatially accurate dissipative or conservative finite difference schemes derived by the discrete variational method. <i>Japan Journal of Industrial and Applied Mathematics</i> , 2002, 19, 311-330. | 0.9 | 25 |
| 7 | Nonlinear and linear conservative finite difference schemes for regularized long wave equation. <i>Japan Journal of Industrial and Applied Mathematics</i> , 2009, 26, 15-40. | 0.9 | 13 |
| 8 | Discrete variational derivative method – A structure-preserving numerical method for partial differential equations. <i>Sugaku Expositions</i> , 2018, 31, 231-255. | 0.2 | 12 |
| 9 | Geometric numerical integrators for Hunter – Saxton-like equations. <i>Japan Journal of Industrial and Applied Mathematics</i> , 2017, 34, 441-472. | 0.9 | 6 |
| 10 | A stabilization of multistep linearly implicit schemes for dissipative systems. <i>Journal of Computational and Applied Mathematics</i> , 2014, 264, 38-48. | 2.0 | 5 |
| 11 | Invariants-preserving integration of the modified Camassa – Holm equation. <i>Japan Journal of Industrial and Applied Mathematics</i> , 2011, 28, 351-381. | 0.9 | 4 |
| 12 | Conservative finite difference schemes for the modified Camassa-Holm equation. <i>JSIAM Letters</i> , 2011, 3, 37-40. | 0.5 | 2 |
| 13 | Some discrete inequalities for central-difference type operators. <i>Mathematics of Computation</i> , 2016, 86, 1719-1739. | 2.1 | 2 |
| 14 | A new technique to design numerical schemes with weak nonlinearity based on discrete variational derivative method. , 2012, , . | | 0 |