# Peter Minev

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7730450/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 27 papers | 418 citations | 840776 11 h-index | 713466 21 g-index |
| 28 all docs | 28 docs citations | 28 times ranked | 332 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Splitting schemes for the stress formulation of fluidâ€“structure interaction problems. Applications in Engineering Science, 2022, 9, 100082. | 0.8 | 0 |
| 2 | A high order compact finite difference scheme for elliptic interface problems with discontinuous and high-contrast coefficients. Applied Mathematics and Computation, 2022, 431, 127314. | 2.2 | 3 |
| 3 | An efficient algorithm for weakly compressible flows in spherical geometries. International Journal for Numerical Methods in Fluids, 2021, 93, 1359-1377. | 1.6 | 0 |
| 4 | A direction splitting scheme for Navierâ€“Stokesâ€“Boussinesq system in spherical shell geometries. International Journal for Numerical Methods in Fluids, 2021, 93, 3507-3523. | 1.6 | 3 |
| 5 | Sixth order compact finite difference schemes for Poisson interface problems with singular sources. Computers and Mathematics With Applications, 2021, 99, 2-25. | 2.7 | 16 |
| 6 | A Compressible Fluid Flow Model Coupling Channel and Porous Media Flows and Its Application to Fuel Cell Materials. Transport in Porous Media, 2020, 134, 351-386. | 2.6 | 7 |
| 7 | Splitting schemes for phase-field models. Applied Numerical Mathematics, 2020, 156, 192-209. | 2.1 | 6 |
| 8 | High-Order Adaptive Time Stepping for the Incompressible Navier–Stokes Equations. SIAM Journal of Scientific Computing, 2019, 41, A770-A788. | 2.8 | 19 |
| 9 | Flux formulation of parabolic equations with highly heterogeneous coefficients. Journal of Computational and Applied Mathematics, 2018, 340, 582-601. | 2.0 | 4 |
| 10 | Splitting schemes for the stress formulation of the incompressible Navierâ€“Stokes equations. Journal of Computational and Applied Mathematics, 2018, 344, 807-818. | 2.0 | 2 |
| 11 | Splitting schemes for unsteady problems involving the grad-div operator. Applied Numerical Mathematics, 2018, 124, 130-139. | 2.1 | 6 |
| 12 | High-order time stepping for the Navierâ€“Stokes equations with minimal computational complexity. Journal of Computational and Applied Mathematics, 2017, 310, 92-103. | 2.0 | 27 |
| 13 | Multiscale direction-splitting algorithms for parabolic equations with highly heterogeneous coefficients. Computers and Mathematics With Applications, 2016, 72, 1641-1654. | 2.7 | 4 |
| 14 | An operator-splitting scheme for the stream functionâ€“vorticity formulation of the unsteady Navierâ€“Stokes equations. Journal of Computational and Applied Mathematics, 2016, 293, 147-163. | 2.0 | 2 |
| 15 | High-Order Time Stepping for the Incompressible Navier–Stokes Equations. SIAM Journal of Scientific Computing, 2015, 37, A2656-A2681. | 2.8 | 41 |
| 16 | A time splitting fictitious domain algorithm for fluidâ€“structure interaction problems (A fictitious) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 3.4 | 9 |
| 17 | A fast algorithm for 3D simulation of thermal stratification in containment pools of nuclear power plants. Computers and Mathematics With Applications, 2014, 67, 2228-2239. | 2.7 | 2 |
| 18 | A new class of massively parallel direction splitting for the incompressible Navierâ€“Stokes equations. Computer Methods in Applied Mechanics and Engineering, 2011, 200, 2083-2093. | 6.6 | 37 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A scalable parallel algorithm for the direct numerical simulation of three-dimensional incompressible particulate flow. International Journal of Computational Fluid Dynamics, 2009, 23, 427-437. | 1.2 | 7 |
| 20 | Remarks on the links between lowâ€order DG methods and some finiteâ€difference schemes for the Stokes problem. International Journal for Numerical Methods in Fluids, 2008, 58, 307-317. | 1.6 | 14 |
| 21 | A fictitious domain formulation for flows with rigid particles: A non-Lagrange multiplier version. Journal of Computational Physics, 2007, 224, 867-879. | 3.8 | 55 |
| 22 | A locally DIV-free projection scheme for incompressible flows based on non-conforming finite elements. International Journal for Numerical Methods in Fluids, 2005, 49, 549-568. | 1.6 | 12 |
| 23 | A projection scheme for incompressible multiphase flow using adaptive Eulerian grid: 3D validation. International Journal for Numerical Methods in Fluids, 2005, 48, 455-466. | 1.6 | 4 |
| 24 | A projection scheme for incompressible multiphase flow using adaptive Eulerian grid. International Journal for Numerical Methods in Fluids, 2004, 45, 1-19. | 1.6 | 25 |
| 25 | A Finite Element Method for an Averaged Multiphase Flow Model. International Journal of Computational Fluid Dynamics, 2004, 18, 111-123. | 1.2 | 4 |
| 26 | A finite element technique for multifluid incompressible flow using Eulerian grids. Journal of Computational Physics, 2003, 187, 255-273. | 3.8 | 45 |
| 27 | A fictitious domain/finite element method for particulate flows. Journal of Computational Physics, 2003, 192, 105-123. | 3.8 | 64 |