

# Boris I Krasnopolsky

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7320544/publications.pdf>

Version: 2024-02-01

21  
papers

75  
citations

1684188

5  
h-index

1588992

8  
g-index

23  
all docs

23  
docs citations

23  
times ranked

41  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Turbulent flows along a streamwise external corner. <i>Journal of Fluid Mechanics</i> , 2022, 940, .  | 3.4 | 1         |
| 2  | XAMG: A library for solving linear systems with multiple right-hand side vectors. <i>SoftwareX</i> , 2021, 14, 100695.  | 2.6 | 8         |
| 3  | Evaluating Performance of Mixed Precision Linear Solvers with Iterative Refinement. <i>Supercomputing Frontiers and Innovations</i> , 2021, 8, .  | 0.4 | 2         |
| 4  | Revisiting performance of BiCGStab methods for solving systems with multiple right-hand sides. <i>Computers and Mathematics With Applications</i> , 2020, 79, 2574-2597.                | 2.7 | 5         |
| 5  | Predicting Performance of Classical and Modified BiCGStab Iterative Methods. <i>Advances in Parallel Computing</i> , 2020, , .  | 0.3 | 0         |
| 6  | Direct numerical simulation of turbulent flow and heat transfer in a hexagonal rod bundle. <i>Journal of Physics: Conference Series</i> , 2019, 1369, 012045.                           | 0.4 | 0         |
| 7  | An approach for accelerating incompressible turbulent flow simulations based on simultaneous modelling of multiple ensembles. <i>Computer Physics Communications</i> , 2018, 229, 8-19. | 7.5 | 13        |
| 8  | A conservative fully implicit algorithm for predicting slug flows. <i>Journal of Computational Physics</i> , 2018, 355, 597-619.  | 3.8 | 7         |
| 9  | Optimizing generation of multiple turbulent flow states. <i>Journal of Physics: Conference Series</i> , 2018, 1129, 012020.   | 0.4 | 1         |
| 10 | Optimal Strategy for Modelling Turbulent Flows with Ensemble Averaging on High Performance Computing Systems. <i>Lobachevskii Journal of Mathematics</i> , 2018, 39, 533-542.           | 0.9 | 2         |
| 11 | Generation of Multiple Turbulent Flow States for the Simulations with Ensemble Averaging. <i>Supercomputing Frontiers and Innovations</i> , 2018, 5, .                                  | 0.4 | 0         |
| 12 | Unified graph-based multi-fluid model for gas-liquid pipeline flows. <i>Computers and Mathematics With Applications</i> , 2016, 72, 1244-1262.  | 2.7 | 10        |
| 13 | Application of the Jacobian-Free Newton-Krylov method for multiphase pipe flows. <i>AIP Conference Proceedings</i> , 2015, , .  | 0.4 | 0         |
| 14 | Combined multi-fluid and drift-flux approaches for analysis of pipe flows. , 2013, , .  |     | 2         |
| 15 | Modelling Multiphase Flows in a Wellbore Using Multi-Fluid Approach. , 2012, , .  |     | 2         |
| 16 | Multi-fluid pipe flow model for analysis of wellbore dynamics. , 2012, , .  |     | 3         |
| 17 | Heat transfer in a three-dimensional rectangular cavity oriented at an angle to the free-stream. <i>Fluid Dynamics</i> , 2012, 47, 311-319.   | 0.9 | 4         |
| 18 | The reordered BiCGStab method for distributed memory computer systems. <i>Procedia Computer Science</i> , 2010, 1, 213-218.   | 2.0 | 12        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Effect of the disturbance frequency and the boundary layer thickness on heat transfer in a flow over a cubic cavity. Fluid Dynamics, 2010, 45, 27-33. | 0.9 | 3         |
| 20 | Spatial structure of unstable flow in a three-dimensional cavity. Doklady Physics, 2008, 53, 447-449.   | 0.7 | 0         |
| 21 | Numerical modeling and analysis of strength properties in glass. Glass and Ceramics (English) Tj ETQq1 1 0.784314 rgBT /Overlock 10                   | 0.8 | 0         |