

Alexander E Bondarev

List of Publications by Year in descending order

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31
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31
times ranked

70
citing authors

#	ARTICLE	IF	CITATIONS
1	On linear and nonlinear aspects of dynamic mode decomposition. International Journal for Numerical Methods in Fluids, 2016, 82, 348-371.	1.6	39
2	Analysis of the Accuracy of OpenFOAM Solvers for the Problem of Supersonic Flow Around a Cone. Lecture Notes in Computer Science, 2018, , 221-230.	1.3	21
3	Analysis of the development concepts and methods of visual data representation in computational physics. Computational Mathematics and Mathematical Physics, 2011, 51, 624-636.	0.8	15
4	On uncertainty quantification via the ensemble of independent numerical solutions. Journal of Computational Science, 2020, 42, 101114.	2.9	14
5	On visualization problems in a generalized computational experiment. Scientific Visualization, 2019, 11, .	0.4	12
6	Multidimensional data analysis and visualization for time-dependent CFD problems. Programming and Computer Software, 2015, 41, 247-252.	0.9	10
7	Comparative Study of the Accuracy for OpenFOAM Solvers. , 2017, , .		10
8	PARAMETRIC OPTIMIZING ANALYSIS OF UNSTEADY STRUCTURES AND VISUALIZATION OF MULTIDIMENSIONAL DATA. International Journal of Modeling, Simulation, and Scientific Computing, 2013, 04, 1341004.	1.4	9
9	Analysis of Space-time Structures Appearance for Non-Stationary CFD Problems. Procedia Computer Science, 2015, 51, 1801-1810.	2.0	9
10	Estimation of the Distance between True and Numerical Solutions. Computational Mathematics and Mathematical Physics, 2019, 59, 857-863.	0.8	9
11	Comparative analysis of the accuracy of OPENFOAM solvers for the oblique shock wave problem. Mathematica Montisnigri, 2019, 45, 95-105.	0.3	9
12	A Posteriori Error Estimation via Differences of Numerical Solutions. Lecture Notes in Computer Science, 2020, , 508-519.	1.3	7
13	The problems of stereo animations construction on modern stereo devices. Scientific Visualization, 2018, 10, 40-52.	0.4	7
14	Parametric Study of the Accuracy of OpenFOAM Solvers for the Oblique Shock Wave Problem. , 2019, , .		6
15	Verification on the Ensemble of Independent Numerical Solutions. Lecture Notes in Computer Science, 2019, , 315-324.	1.3	6
16	A computational technology for constructing the optimal shape of a power plant blade assembly taking into account structural constraints. Programming and Computer Software, 2017, 43, 345-352.	0.9	5
17	Comparative Estimation of QGDFoam Solver Accuracy for Inviscid Flow Around a Cone. , 2018, , .		5
18	A Comparison of the Richardson Extrapolation and the Approximation Error Estimation on the Ensemble of Numerical Solutions. Lecture Notes in Computer Science, 2021, , 554-566.	1.3	4

#	ARTICLE	IF	CITATIONS
19	Analysis of Space-Time Flow Structures by Optimization and Visualization Methods. Lecture Notes in Computer Science, 2013, , 158-168.	1.3	4
20	Visual analysis procedures for multidimensional data. Scientific Visualization, 2018, 10, 120-133.	0.4	4
21	THE PROCEDURES OF VISUAL ANALYSIS FOR MULTIDIMENSIONAL DATA VOLUMES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W12, 17-21.	0.2	4
22	On the construction of a generalized computational experiment in verification problems. Mathematica Montisnigri, 2020, 48, 19-31.	0.3	3
23	On Applying of Generalized Computational Experiment to Numerical Methods Verification. , 0, , paper19-1-paper19-12.		3
24	Constructing Stereo Images of Error Surfaces in Problems of Numerical Methods Verification. , 0, , paper21-1-paper21-10.		1
25	Current visualization trends in CFD problems. Applied Mathematical Sciences, 0, 8, 1357-1368.	0.1	1
26	PROCESSING AND VISUAL ANALYSIS OF MULTIDIMENSIONAL DATA. Scientific Visualization, 2017, 9, 86-104.	0.4	1
27	Effect of supersonic stream parameters on the characteristic time of transient step flow. Fluid Dynamics, 1990, 24, 604-607.	0.9	0
28	Analysis of the Effectiveness of the DVM / DVMH Technology for the Parallel Solution of the Burgers Parametric Equation. , 2018, , .		0
29	Visual Analysis of Textual Information on the Frequencies of Joint Use of Nouns and Adjectives. , 0, , paper20-1-paper20-10.		0