

Ilya V Abalakin

List of Publications by Year in descending order

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18
all docs

18
docs citations

18
times ranked

49
citing authors

#	ARTICLE	IF	CITATIONS
1	Edge-Based reconstruction schemes for unstructured tetrahedral meshes. International Journal for Numerical Methods in Fluids, 2016, 81, 331-356.	1.6	86
2	Numerical investigation of the aerodynamic and acoustical properties of a shrouded rotor. Fluid Dynamics, 2016, 51, 419-433.	0.9	25
3	Edge-Based Reconstruction Schemes for Prediction of near Field Flow Region in Complex Aeroacoustics Problems. International Journal of Aeroacoustics, 2014, 13, 207-233.	1.3	23
4	High Accuracy Finite Volume Method for Solving Nonlinear Aeroacoustics Problems on Unstructured Meshes. Chinese Journal of Aeronautics, 2006, 19, 97-104.	5.3	20
5	Numerical simulation of aerodynamic and acoustic characteristics of a ducted rotor. Mathematical Models and Computer Simulations, 2016, 8, 309-324.	0.5	13
6	Accuracy Improvement for Finite-Volume Vertex-Centered Schemes Solving Aeroacoustics Problems on Unstructured Meshes. , 2010, , .		9
7	Numerical prediction of laminar-turbulent transition on an airfoil. Russian Journal of Numerical Analysis and Mathematical Modelling, 2014, 29, .	0.6	8
8	Unstructured Mesh Processing in Parallel CFD Project GIMM*. , 2006, , 501-508.		7
9	Immersed boundary method implemented for the simulation of an external flow on unstructured meshes. Mathematical Models and Computer Simulations, 2016, 8, 219-230.	0.5	6
10	Simulation of Acoustic Fields in Resonator-Type Problems Using Unstructured Meshes. , 2006, , .		3
11	Numerical Simulation of Slat Noise of High-Lift Devices Using Immersed Boundary Method on Unstructured Meshes. , 2019, , .		2
12	On the Accuracy of Direct Noise Calculations Based on the Euler Model. International Journal of Aeroacoustics, 2004, 3, 157-180.	1.3	1
13	A New High-Resolution Balance-Characteristic Method for Aeroacoustics. , 2006, , .		1
14	Technology of parallelization for 2D and 3D CFD/CAA codes based on high-accuracy explicit methods on unstructured meshes. Lecture Notes in Computational Science and Engineering, 2009, , 253-260.	0.3	1
15	Immersed boundary method as applied to the simulation of external aerodynamics problems with various boundary conditions. Doklady Mathematics, 2015, 91, 178-181.	0.6	1
16	Reconstruction of body geometry on unstructured meshes by the immersed boundary method. Mathematical Models and Computer Simulations, 2017, 9, 83-91.	0.5	1
17	DNS Simulation of Sound Suppression in a Resonator with Upstream Flows. , 2006, , 373-379.		0