Yasushi Ito

List of Publications by Year in descending order

91 papers	1,957 citations	361296 20 h-index	289141 40 g-index
92 all docs	92 docs citations	92 times ranked	833 citing authors

#	Article	IF	Citations
1	JAXAâ€™s Results of Fixed Grid RANS Simulations for the Fourth High Lift Prediction Workshop. , 2022, , .		4
2	Size effects of vane-type rectangular vortex generators installed on high-lift swept-back wing flap on lift force and flow fields. Experiments in Fluids, 2021, 62, 1.	1.1	4
3	Further Investigation of Vertical Stabilizer with Passive Flow Control Devices. , 2020, , .		1
4	Computational Investigation of Vertical Stabilizer with Vortex Generators and Dorsal Fin. Journal of Aircraft, 2019, 56, 1833-1848.	1.7	6
5	JAXAâ€™s and KHIâ€™s Contribution to the Third High Lift Prediction Workshop. Journal of Aircraft, 2019, 56, 1080-1098.	1.7	9
6	Multipoint Design Optimization of Vortex Generators on Transonic Swept Wings. Journal of Aircraft, 2019, 56, 1291-1302.	1.7	7
7	Lattice-Boltzmann Simulations of the JAXA JSM High-Lift Configuration in a Wind Tunnel. , 2019, , .		4
8	Wind Tunnel Interference Effects on Japan Aerospace Exploration Agencyâ€™s Standard Model. , 2019, , .		5
9	Low-cost Parameter for Noise Reduction in Slat Design. Aerospace Technology Japan the Japan Society for Aeronautical and Space Sciences, 2019, 18, 207-216.	0.1	0
10	Japan Aerospace Exploration Agencyâ€™s and Kawasaki Heavy Industriesâ€™ Contribution to the Third High Lift Prediction Workshop. , 2018, , .		3
11	TAS Code, FaSTAR, and Cflow Results for the Sixth Drag Prediction Workshop. Journal of Aircraft, 2018, 55, 1433-1457.	1.7	18
12	Experimental Investigation of Vertical Stabilizer with Vortex Generators and Dorsal Fin. , 2018, , .		3
13	Computational Investigation of Vertical Stabilizer with Vortex Generators and Dorsal Fin. , 2018, , .		2
14	Further Noise Reduction Design for Landing Gear toward FQUROH Second Flight Demonstration. , 2018, , .		10
15	Noise Reduction Design for Flap Side-edges toward FQUROH Second Flight Demonstration. , 2018, , .		5
16	Analysis of the NASA Common Research Model Using the TAS Code and MEGG3D Grids. Aerospace Technology Japan the Japan Society for Aeronautical and Space Sciences, 2018, 17, 153-162.	0.1	0
17	TAS Code, FaSTAR and Cflow Results for the Sixth Drag Prediction Workshop. , 2017, , .		3
18	Airframe noise measurements on JAXA Jet Flying Test Bed â€œHishoâ€•using a phased microphone array. International Journal of Aeroacoustics, 2017, 16, 255-273.	0.8	6

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19	High-Fidelity Aerodynamic Analysis of Aircraft in Various Configurations with MEGG3D. , 2017, , .		4
20	Airframe Noise Reduction of Flap Side-edge Using Vortex Generators. , 2017, , .		10
21	Noise Reduction Design for Flap Side-edges toward FQUROH Flight Demonstration. , 2017, , .		10
22	Effect of Vortex Generators on Transonic Swept Wings. Journal of Aircraft, 2016, 53, 1890-1904.	1.7	21
23	Experimental Investigation of Vortex Generator Effect on Two- and Three-Dimensional NASA Common Research Models. , 2015, , .		15
24	Effect of Vortex Generators on Transonic Swept Wings. , 2015, , .		7
25	Japan Aerospace Exploration Agency Studies for the Second High-Lift Prediction Workshop. Journal of Aircraft, 2015, 52, 1026-1041.	1.7	11
26	Investigation of Noise Generation from Bluff Flap Side-edge of a High-Lift Wing Model. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2014, 12, a9-a16.	0.1	1
27	Japan Aerospace Exploration Agency Studies for the Fifth AIAA Drag Prediction Workshop. Journal of Aircraft, 2014, 51, 1244-1267.	1.7	18
28	Assessment of surgical effects on patients with obstructive sleep apnea syndrome using computational fluid dynamics simulations. Mathematics and Computers in Simulation, 2014, 106, 44-59.	2.4	27
29	Summary of JAXA Studies for the 2nd AIAA CFD High Lift Prediction Workshop Using Structured and Unstructured Mesh CFD. , 2014, , .		1
30	Challenges in unstructured mesh generation for practical and efficient computational fluid dynamics simulations. Computers and Fluids, 2013, 85, 47-52.	1.3	36
31	Noise Generation Characteristics of a High-lift Swept and Tapered Wing Model. , 2013, , .		17
32	Efficient Hybrid Surface/Volume Mesh Generation Using Suppressed Marching-Direction Method. AIAA Journal, 2013, 51, 1450-1461.	1.5	43
33	Computational Fluid Dynamic Analysis of the Posterior Airway Space After Maxillomandibular Advancement for Obstructive Sleep Apnea Syndrome. Journal of Oral and Maxillofacial Surgery, 2013, 71, 1397-1405.	0.5	50
34	Pediatric Computational Models. , 2013, , 287-334.		1
35	High-Quality Unstructured Hybrid Mesh Generation for Capturing Effects of Vortex Generators. , 2013, , .		15
36	Summary of JAXA Studies for the Fifth AIAA CFD Drag Prediction Workshop Using UPACS and FaSTAR. , 2013, , .		5

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37	Thermal Hydraulics Design and Analysis Methodology for a Solid-Core Nuclear Thermal Rocket Engine Thrust Chamber. , 2013, , .		0
38	Efficient and Accurate Evaluation of Aircraft in Different Configurations with Automatic Local Remeshing. , 2013, , .		7
39	Comparison of a Novel Surface Laser Scanning Anthropometric Technique to Traditional Methods for Facial Parameter Measurements. Journal of Occupational and Environmental Hygiene, 2012, 9, 81-88.	0.4	22
40	Computational Studies of the NASA High-Lift Trap Wing Using Structured and Unstructured Grid Solvers. , 2012, , .		5
41	Efficient Hybrid Surface and Volume Mesh Generation for Viscous Flow Simulations. , 2011, , .		14
42	Numerical Investigation of the Interaction of Counterflowing Jets and Supersonic Capsule Flows. , 2011, , .		12
43	A novel hole patching algorithm for discrete geometry using non-uniform rational B-spline. International Journal for Numerical Methods in Engineering, 2011, 87, 1254-1277.	1.5	2
44	Hybrid mesh generation with embedded surfaces using a multiple marching direction approach. International Journal for Numerical Methods in Fluids, 2011, 67, 1-7.	0.9	20
45	Three-dimensional automatic local remeshing for two or more hybrid meshes. International Journal for Numerical Methods in Fluids, 2011, 66, 1495-1505.	0.9	31
46	Patient-specific geometry modeling and mesh generation for simulating Obstructive Sleep Apnea Syndrome cases by Maxillomandibular Advancement. Mathematics and Computers in Simulation, 2011, 81, 1876-1891.	2.4	20
47	Effect of Coolant Flow Distribution on Transient Side Load of Film Cooled Nozzles. , 2011, , .		0
48	Automatic Mesh Generation of Hybrid Mesh on Valves in Multiple Positions in Feedline Systems. , 2010, , .		0
49	Efficient Computational Fluid Dynamics Evaluation of Small-Device Locations with Automatic Local Remeshing. AIAA Journal, 2009, 47, 1270-1276.	1.5	34
50	Solution Adaptive Mesh Generation Using Feature-Aligned Embedded Surface Meshes. AIAA Journal, 2009, 47, 1879-1888.	1.5	21
51	Octree-based reasonable-quality hexahedral mesh generation using a new set of refinement templates. International Journal for Numerical Methods in Engineering, 2009, 77, 1809-1833.	1.5	127
52	Finite element model development of a child pelvis with optimization-based material identification. Journal of Biomechanics, 2009, 42, 2191-2195.	0.9	47
53	Evaluation of Obstructive Sleep Apnea Syndrome by Computational Fluid Dynamics. Seminars in Orthodontics, 2009, 15, 105-131.	0.8	11
54	Efficient Hexahedral Mesh Generation for Complex Geometries Using an Improved Set of Refinement Templates. , 2009, , 103-115.		2

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55	Hemodynamic Analysis of a Compliant Femoral Artery Bifurcation Model using a Fluid Structure Interaction Framework. Annals of Biomedical Engineering, 2008, 36, 1753-1763.	1.3	47
56	Efficient CFD Evaluation of Small Device Locations with Automatic Local Remeshing. , 2008, , .		3
57	Mesh Generation Transfer Based on Topology Matching. , 2008, , .		2
58	A Hole-filling Algorithm Using Non-uniform Rational B-splines. , 2008, , 169-182.		7
59	Multiple Marching Direction Approach to Generate High Quality Hybrid Meshes. AIAA Journal, 2007, 45, 162-167.	1.5	69
60	Numerical Simulations of Single Flow Element in a Nuclear Thermal Thrust Chamber. , 2007, , .		13
61	Solution Adaptive Mesh Generation Using Feature-Aligned Embedded Surface Meshes. , 2007, , .		4
62	Numerical simulation of in vitro pulsatile flow and its study using FRISK, a rapid phase contrast technique. Journal of Magnetic Resonance Imaging, 2007, 26, 805-815.	1.9	1
63	Parallel unstructured mesh generation by an advancing front method. Mathematics and Computers in Simulation, 2007, 75, 200-209.	2.4	64
64	Generalized Overset Grid Framework for Incompressible Flows. , 2006, , .		6
65	An Approach to Generate High Quality Unstructured Hybrid Meshes. , 2006, , .		26
66	Multidisciplinary Design Optimization of Wing Shape for a Small Jet Aircraft Using Kriging Model. , 2006, , .		38
67	Robust generation of high-quality unstructured meshes on realistic biomedical geometry. International Journal for Numerical Methods in Engineering, 2006, 65, 943-973.	1.5	41
68	Viscous flow computations of aircraft with changing control surface deflection using unstructured dynamic meshes. International Journal for Numerical Methods in Fluids, 2006, 52, 925-940.	0.9	4
69	Overset Unstructured Grids Method for Viscous Flow Computations. AIAA Journal, 2006, 44, 1617-1623.	1.5	13
70	Extensions of Overset Unstructured Grids to Multiple Bodies in Contact. Journal of Aircraft, 2006, 43, 52-57.	1.7	15
71	A Solution-Based Adaptive Redistribution Method for Unstructured Meshes. , 2006, , 147-161.		8
72	Geometry and mesh generation for high fidelity computational simulations using non-uniform rational B-splines. Applied Numerical Mathematics, 2005, 55, 368-381.	1.2	12

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73	CFD computations of NAL experimental airplane with rocket booster using overset unstructured grids. International Journal for Numerical Methods in Fluids, 2005, 48, 801-818.	0.9	10
74	Evaluation of in-stent stenosis by magnetic resonance phase-velocity mapping in nickel-titanium stents. Journal of Magnetic Resonance Imaging, 2005, 22, 248-257.	1.9	13
75	Turbulent Flow Evaluation of the Venous Needle During Hemodialysis. Journal of Biomechanical Engineering, 2005, 127, 1141-1146.	0.6	52
76	Improvements in the reliability and quality of unstructured hybrid mesh generation. International Journal for Numerical Methods in Fluids, 2004, 45, 79-108.	0.9	99
77	Some challenges of realistic flow simulations by unstructured grid CFD. International Journal for Numerical Methods in Fluids, 2003, 43, 769-783.	0.9	135
78	CFD Evaluation of NAL Jet-Powered Experimental Airplane with Small Rocket Booster. , 2003, , .		1
79	Overset Unstructured Grids Method for Viscous Flow Computations. , 2003, , .		3
80	Viscous Flow Computations of Aircraft with Changing Control Surface Deflection Using Unstructured Grids. , 2003, , .		3
81	Computational Fluid Dynamics Evaluation of National Aerospace Laboratory Experimental Supersonic Airplane in Ascent. Journal of Aircraft, 2002, 39, 359-364.	1.7	7
82	Direct Surface Triangulation Using Stereolithography Data. AIAA Journal, 2002, 40, 490-496.	1.5	213
83	Extensions of Overset Unstructured Grids to Multiple Bodies in Contact. , 2002, , .		3
84	Numerical Simulations on Separation of Scaled Supersonic Experimental Airplane from Rocket Booster at Supersonic Speed. , 2002, , .		38
85	Surface triangulation for polygonal models based on CAD data. International Journal for Numerical Methods in Fluids, 2002, 39, 75-96.	0.9	175
86	Flow simulation of NAL experimental supersonic airplane/booster separation using overset unstructured grids. Computers and Fluids, 2001, 30, 673-688.	1.3	39
87	Computation for Unsteady Incompressible Flow on Unstructured Grid.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2000, 66, 4-10.	0.2	0
88	Unstructured Surface Grid Generation Using GUI.. Journal of the Japan Society for Aeronautical and Space Sciences, 2000, 48, 75-81.	0.0	0
89	Flow Simulation of NAL Experimental Supersonic Airplane/Booster Separation Using Overset Unstructured Grids.. Journal of the Japan Society for Aeronautical and Space Sciences, 2000, 48, 142-147.	0.0	1
90	Direct surface triangulation using stereolithography (STL) data. , 2000, , .		29

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91	Wind Tunnel Installation Effects on Japan Aerospace Exploration Agency's Standard Model. Journal of Aircraft, 0, , 1-22.	1.7	4