

Shigeru Obayashi

List of Publications by Year in descending order

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252
papers

5,643
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253
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253
times ranked

2891
citing authors

#	ARTICLE	IF	CITATIONS
1	Aerodynamic Characteristics of Turbojav Measured with 1-m Magnetic Suspension and Balance System. , 2021, , .		1
2	Parametric Study on Waverider Configurations at Low-supersonic Speed for Low-boom Supersonic Transport. Transactions of the Japan Society for Aeronautical and Space Sciences, 2021, 64, 325-334.	0.7	1
3	A simple collision algorithm for arbitrarily shaped objects in particle-resolved flow simulation using an immersed boundary method. International Journal for Numerical Methods in Fluids, 2020, 92, 1256-1273.	1.6	7
4	Data Assimilation for Clear Air Turbulence by Upstream LIDAR Observation. , 2020, , .		1
5	Measurement of the Aerodynamic Forces Acting on a Non-Spinning Javelin Using an MSBS. Proceedings (mdpi), 2020, 49, 144.	0.2	1
6	Streamline pair selection for comparative flow field visualization. Visual Computing for Industry, Biomedicine, and Art, 2020, 3, 20.	3.7	2
7	Real-time estimation of airflow vector based on lidar observations for preview control. Atmospheric Measurement Techniques, 2020, 13, 6543-6558.	3.1	6
8	Influence of Turbulence Statistics on Stochastic Jet-Noise Prediction with Synthetic Eddy Method. Journal of Aircraft, 2019, 56, 2342-2356.	2.4	2
9	Multipoint Design Optimization of Vortex Generators on Transonic Swept Wings. Journal of Aircraft, 2019, 56, 1291-1302.	2.4	7
10	Optimization of passive grooved micromixers based on genetic algorithm and graph theory. Microfluidics and Nanofluidics, 2019, 23, 1.	2.2	24
11	Nowcasting algorithm for wind fields using ensemble forecasting and aircraft flight data. Meteorological Applications, 2018, 25, 365-375.	2.1	4
12	Aerodynamic Measurements of AGARD-B Model at High Angles of Attack by 1-m Magnetic Suspension and Balance System. , 2018, , .		6
13	Change-point Detection between Two Unsteady CFD Simulation Results by Sparse Structure Learning. , 2018, , .		0
14	Aerodynamic Analysis of NASA Common Research Model by Block-Structured Cartesian Mesh. , 2018, , .		1
15	Direct Numerical Simulation of Gas-Particle Flows with Particle-Wall Collisions Using the Immersed Boundary Method. Applied Sciences (Switzerland), 2018, 8, 2387.	2.5	6
16	Zonal Reduced-Order Modelling Toward Prediction of Transitional Flow Fields. Journal of Physics: Conference Series, 2018, 1036, 012012.	0.4	1
17	Effect of Camber on Badminton Shuttlecock. Proceedings (mdpi), 2018, 2, .	0.2	0
18	Introduction of 1-m MSBS in Tohoku University, New Device for Aerodynamics Measurements of the Sports Equipment. Proceedings (mdpi), 2018, 2, .	0.2	4

#	ARTICLE	IF	CITATIONS
19	Large Eddy Simulation of Wake Vortices under Influences of Hangar Wake and the Ground. , 2018, , .		2
20	Topology optimization of fluid problems using genetic algorithm assisted by the Kriging model. International Journal for Numerical Methods in Engineering, 2017, 109, 514-532.	2.8	35
21	Numerical Simulation of Cascade Flows Using Block-Structured Cartesian Mesh. , 2017, , .		3
22	Expected Improvement of Penalty-Based Boundary Intersection for Expensive Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2017, 21, 898-913.	10.0	47
23	Kriging surrogate model with coordinate transformation based on likelihood and gradient. Journal of Global Optimization, 2017, 68, 827-849.	1.8	21
24	Numerical study on jet-wake vortex interaction of aircraft configuration. Aerospace Science and Technology, 2017, 70, 615-625.	4.8	23
25	Adaptive mesh refinement and load balancing based on multi-level block-structured Cartesian mesh. International Journal of Computational Fluid Dynamics, 2017, 31, 476-487.	1.2	10
26	Topology and Sizing Optimization of Micromixers Using Graph-Theoretical Representation and Genetic Algorithm. , 2017, , .		3
27	Hemodynamic Response of the Supplementary Motor Area during Locomotor Tasks with Upright versus Horizontal Postures in Humans. Neural Plasticity, 2016, 2016, 1-8.	2.2	3
28	Electron density measurements behind a hypersonic shock wave in argon. Journal of Fluid Science and Technology, 2016, 11, JFST0005-JFST0005.	0.6	3
29	Turbulent jet interaction with a long rise-time pressure signature. Applied Acoustics, 2016, 114, 179-190.	3.3	0
30	Wavenumber Optimized Immersed Boundary Method for Aeroacoustic Analysis Based on Cartesian Mesh. AIAA Journal, 2016, 54, 2988-3001.	2.6	5
31	Uncertainly Quantification of Lidar-Derived Wake Vortex Parameters with/without Data Assimilation (Invited). , 2016, , .		0
32	Feasibility of skin-friction diagnostics based on surface pressure gradient field. Measurement Science and Technology, 2016, 27, 125304.	2.6	32
33	International journal of computational fluid dynamics real-time prediction of unsteady flow based on POD reduced-order model and particle filter. International Journal of Computational Fluid Dynamics, 2016, 30, 285-306.	1.2	14
34	Efficient Global Optimization of Vortex Generators on a Supercritical Infinite Wing. Journal of Aircraft, 2016, 53, 1670-1679.	2.4	9
35	A Study on the Exhaust Heat Characteristics from a Wing Surface Depending on the Airfoil Shape at Low Reynolds Number. , 2016, , .		0
36	Development of Magnetic Suspension and Balance System for Intermittent Supersonic Wind Tunnels. AIAA Journal, 2016, 54, 1277-1286.	2.6	9

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37	Plate-Angle Effects on Acoustic Waves from Supersonic Jets Impinging on Inclined Plates. <i>AIAA Journal</i> , 2016, 54, 816-827.	2.6	32
38	Real-Time Flow Prediction of Low-Level Atmospheric Turbulence. , 2015, , .		4
39	Multipoint Design of Vortex Generators on a Swept Infinite-Wing under Cruise and Critical Condition. , 2015, , .		3
40	Computational study of compound angle film cooling flow field and aerodynamic losses using a parallel hybrid mesh Navier–Stokes code. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2015, 229, 597-612.	1.4	0
41	Filtering Algorithm of Airborne Doppler Lidar Measurements for Improved Wind Estimation. <i>Transactions of the Japan Society for Aeronautical and Space Sciences</i> , 2015, 58, 149-155.	0.7	3
42	A Study on Many-Objective Optimization Using the Kriging-Surrogate-Based Evolutionary Algorithm Maximizing Expected Hypervolume Improvement. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-15.	1.1	12
43	Aerodynamic Optimization of Near-future High-wing Aircraft. <i>Transactions of the Japan Society for Aeronautical and Space Sciences</i> , 2015, 58, 73-82.	0.7	12
44	A data assimilation methodology for reconstructing turbulent flows around aircraft. <i>Journal of Computational Physics</i> , 2015, 283, 559-581.	3.8	81
45	Effects of the number of design variables on performances in Kriging-model-based many-objective optimization. , 2015, , .		0
46	Assessment of probability density function based on POD reduced-order model for ensemble-based data assimilation. <i>Fluid Dynamics Research</i> , 2015, 47, 051403.	1.3	14
47	Analysis of sonic boom propagation based on the KZK equation. , 2015, , .		4
48	Validation of measurement accuracy for near-field pressure around supersonic projectiles in a ballistic range. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 67, 24-33.	5.0	6
49	Nonlinear Aeroelastic Analysis of Control Surface with Freeplay Using Computational-Fluid-Dynamics-Based Reduced-Order Models. <i>Journal of Aircraft</i> , 2015, 52, 569-583.	2.4	8
50	Transverse jet-cavity interactions with the influence of an impinging shock. <i>International Journal of Heat and Fluid Flow</i> , 2015, 53, 146-155.	2.4	38
51	Sensitivity Analysis of Wake Vortex Parameters Measured by Doppler Lidar. , 2015, , .		0
52	Kriging Surrogate Model Enhanced by Coordinate Transformation of Design Space Based on Eigenvalue Decomposition. <i>Lecture Notes in Computer Science</i> , 2015, , 321-335.	1.3	6
53	Sensitivity Analysis of Unsteady Flow Fields and Impact of Measurement Strategy. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-12.	1.1	2
54	Numerical Simulation of Jet-Wake Vortex Interaction. , 2014, , .		1

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55	Aerodynamic Optimization of High-Wing Configuration for Near Future Aircraft. , 2014, , .		1
56	Sonic Boom Estimation using the Multipole Method for Free-Flight Experiments. , 2014, , .		5
57	Effects of dual jets distance on mixing characteristics and flow path within a cavity in supersonic crossflow. International Journal of Heat and Fluid Flow, 2014, 50, 254-262.	2.4	43
58	Kriging model based many-objective optimization with efficient calculation of expected hypervolume improvement. , 2014, , .		13
59	Effectiveness of jet location on mixing characteristics inside a cavity in supersonic flow. Experimental Thermal and Fluid Science, 2014, 52, 59-67.	2.7	69
60	Improvement of a sensitivity-adjustable three component force balance and its application to supersonic wind tunnel testing. Journal of Fluid Science and Technology, 2014, 9, JFST0068-JFST0068.	0.6	0
61	Generation mechanism of precursor electrons ahead of a hypersonic shock wave in argon. Journal of Fluid Science and Technology, 2014, 9, JFST0070-JFST0070.	0.6	7
62	Efficient Global Optimization of Vortex Generators on a Super Critical Infinite-Wing Using Kriging-Based Surrogate Models. , 2014, , .		6
63	Measurement sensitivity and resolution for background oriented schlieren during image recording. Journal of Visualization, 2013, 16, 201-207.	1.8	47
64	The effects of electromyography-controlled functional electrical stimulation on upper extremity function and cortical perfusion in stroke patients. Clinical Neurophysiology, 2013, 124, 2008-2015.	1.5	101
65	Simultaneous visualization of surface and flow field for a projectile. Journal of Visualization, 2013, 16, 331-340.	1.8	4
66	Hypofrontal activity during word retrieval in older adults: A near-infrared spectroscopy study. Neuropsychologia, 2013, 51, 418-424.	1.6	17
67	Wavelet-based data compression for flow simulation on block-structured Cartesian mesh. International Journal for Numerical Methods in Fluids, 2013, 73, 462-476.	1.6	18
68	Updating Kriging Surrogate Models Based on the Hypervolume Indicator in Multi-Objective Optimization. Journal of Mechanical Design, Transactions of the ASME, 2013, 135, .	2.9	40
69	GUI-based Geometry Deformation Tool for Modification of Aircraft Configurations. , 2013, , .		0
70	Wind Tunnel Testing on Start/Unstart Characteristics of Finite Supersonic Biplane Wing. International Journal of Aerospace Engineering, 2013, 2013, 1-10.	0.9	13
71	Kriging-surrogate-based optimization considering expected hypervolume improvement in non-constrained many-objective test problems. , 2013, , .		19
72	Global Sonic Boom Overpressure Variation from Seasonal Temperature, Pressure, and Density Gradients. Journal of Aircraft, 2013, 50, 1933-1938.	2.4	2

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73	Development of a Sensitivity-Adjustable Three-Component Force Balance and Its Application to Wind Tunnel Testing. <i>Journal of Fluid Science and Technology</i> , 2013, 8, 209-218.	0.6	1
74	Parametric Study of Vortex Generators on a Super Critical Infinite-Wing with Shock-Induced Separation. , 2013, , .		1
75	Aerodynamic Characteristics and Effects of Winglets of the Boomless Tapered Supersonic Biplane during the Starting Process. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , 2013, 11, 17-26.	0.2	4
76	Knowledge Extraction for Structural Design of Regional Jet Horizontal Tail Using Multi-Objective Design Exploration (MODE). <i>Lecture Notes in Computer Science</i> , 2013, , 656-668.	1.3	2
77	Airport Terrain-Induced Turbulence Simulations Integrated with Weather Prediction Data. <i>Transactions of the Japan Society for Aeronautical and Space Sciences</i> , 2013, 56, 286-292.	0.7	10
78	Numerical Analysis of Clear Air Turbulence by Using Large Eddy Simulation Coupled with a Meteorological Model. , 2013, , .		0
79	Assessment of some experimental and image analysis factors for background-oriented schlieren measurements. <i>Applied Optics</i> , 2012, 51, 7554.	1.8	10
80	Kriging/RBF-Hybrid Response Surface Methodology for Highly Nonlinear Functions. <i>Journal of Computational Science and Technology</i> , 2012, 6, 81-96.	0.4	9
81	Aerodynamic Properties and Flow Behavior for a Badminton Shuttlecock with Spin at High Reynolds Numbers. <i>Procedia Engineering</i> , 2012, 34, 104-109.	1.2	16
82	Aerodynamic optimization using building cube method and data mining with proper orthogonal decomposition. , 2012, , .		0
83	Comparison of the criteria for updating Kriging response surface models in multi-objective optimization. , 2012, , .		16
84	Aerodynamic properties of a shuttlecock with spin at high Reynolds number. <i>Procedia Engineering</i> , 2011, 13, 271-277.	1.2	22
85	Calculation of Unsteady Control Surface Aerodynamics using Reduced-Order Models. , 2011, , .		3
86	Multi-Objective Design Optimization for a Steam Turbine Stator Blade Using LES and GA. <i>Journal of Computational Science and Technology</i> , 2011, 5, 134-147.	0.4	19
87	Supersonic Wind Tunnel Experiment on Aerodynamic Characteristics and Winglets Effects of the Tapered Supersonic Biplane. , 2011, , .		0
88	Shock stand-off distance of a solid sphere decelerating in transonic velocity range. <i>Shock Waves</i> , 2011, 21, 483-489.	1.9	9
89	Drag reduction of a pickup truck by a rear downward flap. <i>International Journal of Automotive Technology</i> , 2011, 12, 369-374.	1.4	19
90	Implementation of visual data mining for unsteady blood flow field in an aortic aneurysm. <i>Journal of Visualization</i> , 2011, 14, 393-398.	1.8	3

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91	Design optimization of a sport shoe sole structure by evolutionary computation and finite element method analysis. Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology, 2011, 225, 179-188.	0.7	16
92	Kriging/RBF-hybrid response surface method for highly nonlinear functions. , 2011, , .		6
93	Two-Dimensional Optimization of a Stent for an Aneurysm. Journal of Medical Devices, Transactions of the ASME, 2010, 4, .	0.7	15
94	Maternal immune activation by polyriboinosinic-polyribocytidilic acid injection produces synaptic dysfunction but not neuronal loss in the hippocampus of juvenile rat offspring. Brain Research, 2010, 1363, 170-179.	2.2	46
95	Organization of the marmoset cerebellum in three-dimensional space: Lobulation, aldolase C compartmentalization and axonal projection. Journal of Comparative Neurology, 2010, 518, 1764-1791.	1.6	56
96	Material design optimization for a sport shoe sole by evolutionary computation and FEM analysis. , 2010, , .		2
97	Flow characteristics of a pickup truck with regard to the bed geometry variation. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2010, 224, 881-891.	1.9	4
98	Helicopter Rotor Shape Optimization for the Improvement of Aeroacoustic Performance in Hover. Journal of Aircraft, 2010, 47, 1770-1783.	2.4	33
99	Aerodynamic Performance of the Three-Dimensional Lifting Supersonic Biplane. Journal of Aircraft, 2010, 47, 983-991.	2.4	2
100	Multi-objective optimization and design rule mining for an aerodynamically efficient and stable centrifugal impeller with a vaned diffuser. Engineering Optimization, 2010, 42, 271-293.	2.6	32
101	Design of Supersonic Biplane Aircraft Concerning Sonic Boom Minimization. , 2010, , .		1
102	Ballistic Range Experiment on the Low Sonic Boom Characteristics of Supersonic Biplane. , 2010, , .		3
103	Sonic Boom Variability Due to Homogeneous Atmospheric Turbulence. Journal of Aircraft, 2009, 46, 1886-1893.	2.4	16
104	Optimization of Nonlinear Lateral Characteristic of Lifting-Body Type Reentry Vehicle. Journal of Aerospace Computing, Information, and Communication, 2009, 6, 239-255.	0.8	2
105	Reducing drag penalty in the three-dimensional supersonic biplane. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2009, 223, 891-899.	1.3	7
106	Development and investigation of efficient GA/PSO-HYBRID algorithm applicable to real-world design optimization. IEEE Computational Intelligence Magazine, 2009, 4, 36-44.	3.2	70
107	Efficient Aeroelastic Analysis Using Unstructured CFD Method and Reduced-Order Unsteady Aerodynamic Model. , 2009, , .		2
108	Practical Implementation of Robust Design Assisted by Response Surface Approximation and Visual Data-Mining. Journal of Mechanical Design, Transactions of the ASME, 2009, 131, .	2.9	22

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109	Kriging-Model-Based Multi-Objective Robust Optimization and Trade-Off Rule Mining of a Centrifugal Fan with Dimensional Uncertainty. <i>Journal of Computational Science and Technology</i> , 2009, 3, 196-211.	0.4	14
110	Reduction of Drag Penalty by means of Plain Flaps in the Boomless Busemann Biplane. <i>International Journal of Emerging Multidisciplinary Fluid Sciences</i> , 2009, 1, 141-164.	0.5	9
111	CFD Analysis Based Evaluation of Aerodynamic Characteristics for Supersonic Biplane with Finite Span Length. <i>Journal of the Japan Society for Aeronautical and Space Sciences</i> , 2009, 57, 32-38.	0.1	3
112	Knowledge Discovery for Flyback-Booster Aerodynamic Wing Using Data Mining. <i>Journal of Spacecraft and Rockets</i> , 2008, 45, 975-987.	1.9	39
113	Studies on Design Optimization of Coronary Stents. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2008, 2, .	0.7	18
114	Measurement-Integrated Simulation of Clear Air Turbulence Using a Four-dimensional Variational Method. <i>Journal of Aircraft</i> , 2008, 45, 1217-1229.	2.4	18
115	Application of hybrid evolutionary algorithms to low exhaust emission diesel engine design. <i>Engineering Optimization</i> , 2008, 40, 1-16.	2.6	21
116	Assimilation Experiment of Lidar Measurements for Wake Turbulence. <i>Journal of Fluid Science and Technology</i> , 2008, 3, 512-518.	0.6	12
117	Low-Boom and Low-Drag Optimization of the Twin Engine Version of Silent Supersonic Business Jet. <i>Journal of Fluid Science and Technology</i> , 2008, 3, 576-585.	0.6	14
118	Knowledge Discovery for Transonic Regional-Jet Wing through Multidisciplinary Design Exploration. <i>Journal of Advanced Mechanical Design, Systems and Manufacturing</i> , 2008, 2, 396-407.	0.7	1
119	Data Mining for Multidisciplinary Design Space of Regional-Jet Wing. <i>Journal of Aerospace Computing, Information, and Communication</i> , 2007, 4, 1019-1036.	0.8	15
120	Wave Drag Characteristics of a Low-Drag Supersonic Formation Flying Concept. <i>Journal of Aircraft</i> , 2007, 44, 675-679.	2.4	1
121	Multidisciplinary Design Optimization and Data Mining for Transonic Regional-Jet Wing. <i>Journal of Aircraft</i> , 2007, 44, 1100-1112.	2.4	49
122	11C-AC-5216: A Novel PET Ligand for Peripheral Benzodiazepine Receptors in the Primate Brain. <i>Journal of Nuclear Medicine</i> , 2007, 48, 1853-1861.	5.0	73
123	Multi-Objective Design Exploration of a Centrifugal Impeller Accompanied With a Vaned Diffuser. , 2007, , 939.		19
124	Improvement of Nonlinear Lateral Characteristics of Lifting-Body Type Reentry Vehicle Using Optimization Algorithm. , 2007, , .		2
125	Functional Organization of Monkey Brain for Abstract Operation. <i>Cortex</i> , 2007, 43, 389-396.	2.4	11
126	Design Representation and the Shape of the Pareto Front in Evolutionary Multiobjective Structural Design. , 2007, , .		0

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127	Experimental and Computational Fluid Dynamics Around Supersonic Biplane for Sonic-Boom Reduction. , 2007, , .		17
128	Investigation of Supersonic Wing Shape Using Busemann Biplane Airfoil. , 2007, , .		9
129	A Study of Busemann-Type Biplane for Avoiding Choked Flow. , 2007, , .		16
130	Multi-Objective Design Exploration and Its Application to Regional-Jet Wing Design. Transactions of the Japan Society for Aeronautical and Space Sciences, 2007, 50, 1-8.	0.7	21
131	Evolutionary Multiobjective Optimization of Steel Structural Systems in Tall Buildings. , 2007, , 604-618.		7
132	Knowledge Discovery in Aerodynamic Design Space for Flyback-Booster Wing Using Data Mining. , 2006, , .		18
133	Application of Local Correlation-Based Transition Model to Flows Around Wings. , 2006, , .		28
134	A Kriging-based probabilistic optimization method with an adaptive search region. Engineering Optimization, 2006, 38, 541-555.	2.6	8
135	Multidisciplinary Design Optimization of Wing Shape for a Small Jet Aircraft Using Kriging Model. , 2006, , .		38
136	Optimization of Combustion Chamber for Diesel Engine Using Kriging Model. Journal of Fluid Science and Technology, 2006, 1, 138-146.	0.6	72
137	Overset Unstructured Grids Method for Viscous Flow Computations. AIAA Journal, 2006, 44, 1617-1623.	2.6	13
138	Extensions of Overset Unstructured Grids to Multiple Bodies in Contact. Journal of Aircraft, 2006, 43, 52-57.	2.4	15
139	Design Exploration of Aerodynamic Wing Shape for Reusable Launch Vehicle Flyback Booster. Journal of Aircraft, 2006, 43, 832-836.	2.4	18
140	339 Construction of a Data Mining Method for Unsteady CFD Results. The Proceedings of the Computational Mechanics Conference, 2006, 2006.19, 431-432.	0.0	2
141	Multi-Objective Optimization and Data Mining. Journal of the Society of Mechanical Engineers, 2006, 109, 383-385.	0.0	2
142	Design Exploration of Aerodynamic Wing Shape for RLV Flyback Booster. Journal of the Japan Society for Aeronautical and Space Sciences, 2006, 54, 144-150.	0.1	0
143	Design under Uncertainties of Wings in Transonic Field. JSME International Journal Series B, 2005, 48, 218-223.	0.3	7
144	High-Fidelity Multidisciplinary Design Optimization of Wing Shape for Regional Jet Aircraft. Lecture Notes in Computer Science, 2005, , 621-635.	1.3	10

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145	Aerodynamic Optimization Design with Kriging Model. Transactions of the Japan Society for Aeronautical and Space Sciences, 2005, 48, 161-168.	0.7	11
146	Efficient Search for Trade-Offs by Adaptive Range Multi-Objective Genetic Algorithms. Journal of Aerospace Computing, Information, and Communication, 2005, 2, 44-64.	0.8	92
147	Data Mining for Aerodynamic Design Space. Journal of Aerospace Computing, Information, and Communication, 2005, 2, 452-469.	0.8	75
148	Drag Characteristics of a Low-Drag Low-Boom Supersonic Formation Flying Concept. , 2005, , .		1
149	Multi-Objective Design Exploration for Aerodynamic Configurations. , 2005, , .		46
150	The Application of MDO Technologies to the Design of a High Performance Small Jet Aircraft - Lessons Learned and Some Practical Concerns. , 2005, , .		6
151	High-Fidelity Multidisciplinary Design Optimization of Aerostructural Wing Shape for Regional Jet. , 2005, , .		23
152	Numerical Analyses of Discrete Gust Response for an Aircraft. Journal of Aircraft, 2004, 41, 1353-1359.	2.4	26
153	Exhaust manifold design with tapered pipes using divided range MOGA. Engineering Optimization, 2004, 36, 149-163.	2.6	21
154	Monkey brain areas underlying remote-controlled operation. European Journal of Neuroscience, 2004, 19, 1397-1407.	2.6	7
155	Possible mechanism for transfer of motor skill learning: implication of the cerebellum. Cerebellum, 2004, 3, 204-211.	2.5	41
156	Novel peripheral benzodiazepine receptor ligand [11C]DAA1106 for PET: An imaging tool for glial cells in the brain. Synapse, 2004, 52, 283-291.	1.2	148
157	Transonic Axial-Flow Blade Optimization: Evolutionary Algorithms/Three-Dimensional Navier-Stokes Solver. Journal of Propulsion and Power, 2004, 20, 612-619.	2.2	104
158	CFD Visualization of Second Primary Vortex Structure on a 65-Degree Delta Wing. , 2004, , .		10
159	Kriging-based Probabilistic Method for Constrained Multi-Objective Optimization Problem. , 2004, , .		16
160	Development of a New Radioligand, N-(5-Fluoro-2-phenoxyphenyl)-N-(2-[18F]fluoroethyl-5-methoxybenzyl)acetamide, for PET Imaging of Peripheral Benzodiazepine Receptor in Primate Brain. Journal of Medicinal Chemistry, 2004, 47, 2228-2235.	6.4	139
161	INTRAPARIETAL BIMODAL NEURONES DELINEATING EXTRINSIC SPACE THROUGH INTRINSIC ACTIONS. Psychologia, 2004, 47, 63-78.	0.3	6
162	Automated Aerodynamic Optimization System for SST Wing-Body Configuration. Transactions of the Japan Society for Aeronautical and Space Sciences, 2004, 46, 230-237.	0.7	11

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163	Exhaust Manifold Design for a Car Engine Based on Engine Cycle Simulation. , 2003, , 475-482.		0
164	Fronto-parieto-cerebellar interaction associated with intermanual transfer of monkey tool-use learning. Neuroscience Letters, 2003, 339, 123-126.	2.1	24
165	Visualization and Data Mining of Pareto Solutions Using Self-Organizing Map. Lecture Notes in Computer Science, 2003, , 796-809.	1.3	116
166	Low-Boom Design Optimization for SST Canard-Wing-Fuselage Configuration. , 2003, , .		11
167	Numerical Analyses of Discrete Gust Response for a Flexible Aircraft. , 2003, , .		0
168	High-Fidelity Swept and Leaned Rotor Blade Design Optimization Using Evolutionary Algorithm. , 2003, , .		7
169	Validation of Drag Estimation on Wing-Fuselage Configuration for a Navier-Stokes Solver. , 2003, , .		0
170	Aileron Buzz Simulation Using an Implicit Multiblock Aeroelastic Solver. Journal of Aircraft, 2003, 40, 580-589.	2.4	31
171	Numerical Simulation: Supersonic Flow Around Wing-Body Configuration with Integrated Engine Nacelle. AIAA Journal, 2003, 41, 213-217.	2.6	5
172	Numerical Simulation of Supersonic Flow around Wing-Body Configuration with Integrated Engine Nacelle. Journal of the Japan Society for Aeronautical and Space Sciences, 2003, 51, 31-35.	0.1	0
173	Aerodynamic Optimization of Supersonic Transport at Near-Sonic Regime. Journal of the Japan Society for Aeronautical and Space Sciences, 2003, 51, 577-581.	0.1	0
174	Multiobjective GA for SST Wing-Body Shape Design. , 2003, , 515-522.		0
175	Advanced Fluid Information. Multiblock Navier-Stokes Solver for Wing/Fuselage Transport Aircraft.. JSME International Journal Series B, 2002, 45, 85-90.	0.3	10
176	Macaque prefrontal activity associated with extensive tool use. NeuroReport, 2002, 13, 2349-2354.	1.2	31
177	Navier-Stokes Optimization of Supersonic Wings with Four Objectives Using Evolutionary Algorithm. Journal of Aircraft, 2002, 39, 621-629.	2.4	76
178	Automated Aerodynamic Optimization System for SST Wing-Body Configuration. , 2002, , .		5
179	Numerical simulation of supersonic flow around wing-body configuration with integrated engine nacelle. , 2002, , .		2
180	Self-organizing map of Pareto solutions obtained from multiobjective supersonic wing design. , 2002, , .		11

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181	Multiobjective Design Optimization of Merging Configuration for an Exhaust Manifold of a Car Engine. Lecture Notes in Computer Science, 2002, , 281-287.	1.3	11
182	Pareto Solutions of Multipoint Design of Supersonic Wings Using Evolutionary Algorithms. , 2002, , 3-15.		10
183	A transonic wing inverse design capability for complete aircraft configurations. , 2001, , .		3
184	Navier-Stokes optimization of supersonic wings with four design objectives using evolutionary algorithm. , 2001, , .		11
185	Functional Brain Mapping of Monkey Tool Use. NeuroImage, 2001, 14, 853-861.	4.2	205
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