Kazuo Yonekura

List of Publications by Year
in descending order

21 papers	264 citations	1163117 8 h-index	996975 15 g-index
22 all docs	22 docs citations	22 times ranked	210 citing authors

#	Article	IF	Citations
1	Framework for design optimization using deep reinforcement learning. Structural and Multidisciplinary Optimization, 2019, 60, 1709-1713.	3.5	38
2	Global optimization of robust truss topology via mixed integer semidefinite programming. Optimization and Engineering, 2010, 11, 355-379.	2.4	34
3	Second-order cone programming with warm start for elastoplastic analysis with von Mises yield criterion. Optimization and Engineering, 2012, 13, 181-218.	2.4	32
4	Data-driven design exploration method using conditional variational autoencoder for airfoil design. Structural and Multidisciplinary Optimization, 2021, 64, 613-624.	3.5	32
5	Isotropic Ti–6Al–4V lattice via topology optimization and electron-beam melting. Additive Manufacturing, 2018, 22, 634-642.	3.0	27
6	Short-term local weather forecast using dense weather station by deep neural network. , 2018, , .		22
7	A flow topology optimization method for steady state flow using transient information of flow field solved by lattice Boltzmann method. Structural and Multidisciplinary Optimization, 2015, 51, 159-172.	3.5	17
8	A Shape Parameterization Method Using Principal Component Analysis in Applications to Parametric Shape Optimization. Journal of Mechanical Design, Transactions of the ASME, 2014, 136, .	2.9	15
9	Generating various airfoils with required lift coefficients by combining NACA and Joukowski airfoils using conditional variational autoencoders. Engineering Applications of Artificial Intelligence, 2022, 108, 104560.	8.1	12
10	Film Cooling Hole Shape Optimization Using Proper Orthogonal Decomposition. , 2014, , .		9
11	Topology optimization method for interior flow based on transient information of the lattice Boltzmann method with a level-set function. Japan Journal of Industrial and Applied Mathematics, 2017, 34, 611-632.	0.9	8
12	Inverse airfoil design method for generating varieties of smooth airfoils using conditional WGAN-gp. Structural and Multidisciplinary Optimization, 2022, 65, .	3.5	6
13	A Heuristic Method Using Hessian Matrix for Fast Flow Topology Optimization. Journal of Optimization Theory and Applications, 2019, 180, 671-681.	1.5	4
14	Lattice structure design with topology optimization and additive manufacturing. Transactions of the JSME (in Japanese), 2017, 83, 16-00581-16-00581.	0.2	2
15	Prediction of stress-strain behavior of ceramic matrix composites using unit cell model. MATEC Web of Conferences, 2015, 29, 00011.	0.2	1
16	Cost-effective estimation of flash extrusion and defects in linear friction welding using Voronoi diagrams. Journal of Manufacturing Processes, 2021, 68, 158-167.	5.9	1
17	Development of 3×3 DOF blocking structural elements to enhance the computational intensity of iterative linear solver. Mechanical Engineering Letters, 2016, 2, 16-00082-16-00082.	0.6	0
18	Fast local convergence for flow topology optimization using the lattice Boltzmann method with a modified Newton method. Transactions of the JSME (in Japanese), 2016, 82, 15-00337-15-00337.	0.2	0

#	Article	IF	Citations
19	Quantitative analysis of latent space in airfoil shape generation using variational autoencoders. Transactions of the JSME (in Japanese), 2021, 87, 21-00212-21-00212.	0.2	0
20	W121004 Shape Optimization of Turbine Film-Cooling Hole by Total Design Management. The Proceedings of Mechanical Engineering Congress Japan, 2013, 2013, _W121004-1-_W121004-5.	0.0	0
21	3507 Avoiding gray-scale problems and improving convergence properties by using Newton method in flow topology optimization. The Proceedings of Design & Systems Conference, 2015, 2015.25, _3507-1_-_3507-8_.	0.0	0