

# Kazuo Yonekura

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Generating various airfoils with required lift coefficients by combining NACA and Joukowski airfoils using conditional variational autoencoders. <i>Engineering Applications of Artificial Intelligence</i> , 2022, 108, 104560.	8.1	12
2	Inverse airfoil design method for generating varieties of smooth airfoils using conditional WGAN-gp. <i>Structural and Multidisciplinary Optimization</i> , 2022, 65, .	3.5	6
3	Data-driven design exploration method using conditional variational autoencoder for airfoil design. <i>Structural and Multidisciplinary Optimization</i> , 2021, 64, 613-624.	3.5	32
4	Cost-effective estimation of flash extrusion and defects in linear friction welding using Voronoi diagrams. <i>Journal of Manufacturing Processes</i> , 2021, 68, 158-167.	5.9	1
5	Quantitative analysis of latent space in airfoil shape generation using variational autoencoders. <i>Transactions of the JSME (in Japanese)</i> , 2021, 87, 21-00212-21-00212.	0.2	0
6	Framework for design optimization using deep reinforcement learning. <i>Structural and Multidisciplinary Optimization</i> , 2019, 60, 1709-1713.	3.5	38
7	A Heuristic Method Using Hessian Matrix for Fast Flow Topology Optimization. <i>Journal of Optimization Theory and Applications</i> , 2019, 180, 671-681.	1.5	4
8	Short-term local weather forecast using dense weather station by deep neural network. , 2018, , .		22
9	Isotropic TiAl <sub>4</sub> V lattice via topology optimization and electron-beam melting. <i>Additive Manufacturing</i> , 2018, 22, 634-642.	3.0	27
10	Topology optimization method for interior flow based on transient information of the lattice Boltzmann method with a level-set function. <i>Japan Journal of Industrial and Applied Mathematics</i> , 2017, 34, 611-632.	0.9	8
11	Lattice structure design with topology optimization and additive manufacturing. <i>Transactions of the JSME (in Japanese)</i> , 2017, 83, 16-00581-16-00581.	0.2	2
12	Development of 3DOF blocking structural elements to enhance the computational intensity of iterative linear solver. <i>Mechanical Engineering Letters</i> , 2016, 2, 16-00082-16-00082.	0.6	0
13	Fast local convergence for flow topology optimization using the lattice Boltzmann method with a modified Newton method. <i>Transactions of the JSME (in Japanese)</i> , 2016, 82, 15-00337-15-00337.	0.2	0
14	Prediction of stress-strain behavior of ceramic matrix composites using unit cell model. <i>MATEC Web of Conferences</i> , 2015, 29, 00011.	0.2	1
15	A flow topology optimization method for steady state flow using transient information of flow field solved by lattice Boltzmann method. <i>Structural and Multidisciplinary Optimization</i> , 2015, 51, 159-172.	3.5	17
16	3507 Avoiding gray-scale problems and improving convergence properties by using Newton method in flow topology optimization. <i>The Proceedings of Design &amp; Systems Conference</i> , 2015, 2015.25, _3507-1_-_3507-8_.	0.0	0
17	A Shape Parameterization Method Using Principal Component Analysis in Applications to Parametric Shape Optimization. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2014, 136, .	2.9	15
18	Film Cooling Hole Shape Optimization Using Proper Orthogonal Decomposition. , 2014, , .		9

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Global optimization of robust truss topology via mixed integer semidefinite programming. Optimization and Engineering, 2010, 11, 355-379.	2.4	34