

# Chungang Zhuang

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

360  
citations

1163117

8  
h-index

1125743

13  
g-index

20  
all docs

20  
docs citations

20  
times ranked

305  
citing authors

#	ARTICLE	IF	CITATIONS
1	BÃ©zier extraction based isogeometric topology optimization with a locally-adaptive smoothed density model. Journal of Computational Physics, 2022, 467, 111469.	3.8	7
2	Topology optimization of transient nonlinear heat conduction using an adaptive parameterized level-set method. Engineering Optimization, 2021, 53, 2017-2039.	2.6	7
3	Monocular Vision Based Grasping Approach for a Mobile Manipulator. , 2021, , .		0
4	Temperature-constrained topology optimization of nonlinear heat conduction problems. Journal of Computational Design and Engineering, 2021, 8, 1059-1081.	3.1	8
5	BÃ©zier extraction based isogeometric approach to multi-objective topology optimization of periodic microstructures. International Journal for Numerical Methods in Engineering, 2021, 122, 6827-6866.	2.8	8
6	Deep learning based pose estimation method using 3D point clouds. , 2021, , .		0
7	Sensorless Collision Detection Method for Robots with Uncertain Dynamics Based on Fuzzy Logics. , 2020, , .		2
8	A Scale Factor-Based Interpolated DFT for Chatter Frequency Estimation. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 2666-2678.	4.7	22
9	Temperature-Constrained Topology Optimization of Transient Heat Conduction Problems. Numerical Heat Transfer, Part B: Fundamentals, 2015, 68, 366-385.	0.9	33
10	Real-time chatter detection using the weighted wavelet packet entropy. , 2014, , .		10
11	Output characteristics modeling of fast tool servo based on neural network method. , 2014, , .		1
12	A Global Heat Compliance Measure Based Topology Optimization for the Transient Heat Conduction Problem. Numerical Heat Transfer, Part B: Fundamentals, 2014, 65, 445-471.	0.9	24
13	Multi-objective topology optimization of compliant mechanism for fast tool servo. , 2013, , .		2
14	Topology Optimization of the Transient Heat Conduction Problem on a Triangular Mesh. Numerical Heat Transfer, Part B: Fundamentals, 2013, 64, 239-262.	0.9	21
15	Topology optimization of multi-material for the heat conduction problem based on the level set method. Engineering Optimization, 2010, 42, 811-831.	2.6	53
16	High speed machining tool path generation for pockets using level sets. International Journal of Production Research, 2010, 48, 5749-5766.	7.5	17
17	Structural shape and topology optimization based on level-set modelling and the element-propagating method. Engineering Optimization, 2009, 41, 537-555.	2.6	4
18	A New Mura Defect Inspection Way for TFT-LCD Using Level Set Method. IEEE Signal Processing Letters, 2009, 16, 311-314.	3.6	36

#	ARTICLE	IF	CITATIONS
19	Von Mises Stress and Level Set Method based Structural Topology Optimization with Multi-phase Materials. , 2007, , .		2
20	A level set method for topology optimization of heat conduction problem under multiple load cases. Computer Methods in Applied Mechanics and Engineering, 2007, 196, 1074-1084.	6.6	103