Shouyu Cai

List of Publications by Year in descending order

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10 papers	296 citations	1478505 6 h-index	1588992 8 g-index
10 all docs	10 docs citations	10 times ranked	231 citing authors

#	Article	IF	Citations
1	An adaptive bubble method for structural shape and topology optimization. Computer Methods in Applied Mechanics and Engineering, 2020, 360, 112778.	6.6	27
2	Isogeometric Analysis and Shape Optimization of Holed Structures via the Patch Removing Technique. CMES - Computer Modeling in Engineering and Sciences, 2020, 124, 787-806.	1.1	0
3	Fixed-grid hole-shape optimization for opening structures using smoothly deformable implicit curve. Advances in Mechanical Engineering, 2019, 11, 168781401982667.	1.6	2
4	Micromechanical modeling of the effect of phase distribution topology on the plastic behavior of dual-phase steels. Computational Materials Science, 2019, 158, 243-254.	3.0	13
5	An Integrated Approach of Model Reconstruction, Stress Analysis and Optimization Design via Smoothly Deformable Implicit Curves. Jisuanji Fuzhu Sheji Yu Tuxingxue Xuebao/Journal of Computer-Aided Design and Computer Graphics, 2018, 30, 1765.	0.2	0
6	Topology optimization with closed B-splines and Boolean operations. Computer Methods in Applied Mechanics and Engineering, 2017, 315, 652-670.	6.6	69
7	Stress constrained topology optimization with free-form design domains. Computer Methods in Applied Mechanics and Engineering, 2015, 289, 267-290.	6.6	68
8	Shape optimization of Dirichlet boundaries based on weighted B-spline finite cell method and level-set function. Computer Methods in Applied Mechanics and Engineering, 2015, 294, 359-383.	6.6	27
9	Stress constrained shape and topology optimization with fixed mesh: A B-spline finite cell method combined with level set function. Computer Methods in Applied Mechanics and Engineering, 2014, 278, 361-387.	6.6	88
10	Isogeometric Shape Optimization Method with Patch Removal for Holed Structures. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2013, 49, 150.	0.5	2