Bo Yu

List of Publications by Year
in descending order

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36	617	567281	642732
papers	citations	15 h-index	23 g-index

36	36	36	303
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reliabilityâ€based topology optimization of continuum structure under buckling and compliance constraints. International Journal for Numerical Methods in Engineering, 2022, 123, 4032-4053.	2.8	10
2	An isogeometric boundary element method for transient heat transfer problems in inhomogeneous materials and the non-iterative inversion of loads. Applied Thermal Engineering, 2022, 212, 118600.	6.0	6
3	The pixel-based quadtree SBFEM with the parameter level set method for identifying cracks and voids. Computational Mechanics, 2022, 70, 911-929.	4.0	5
4	Defect identification in heat transfer problems using boundary data. Numerical Heat Transfer; Part A: Applications, 2022, 82, 482-506.	2.1	4
5	Explicit multi-material topology optimization embedded with variable-size movable holes using moving morphable bars. Engineering Optimization, 2021, 53, 1212-1229.	2.6	10
6	Isogeometric dual reciprocity boundary element method for solving transient heat conduction problems with heat sources. Journal of Computational and Applied Mathematics, 2021, 385, 113197.	2.0	33
7	The scaled boundary finite element method based on the hybrid quadtree mesh for solving transient heat conduction problems. Applied Mathematical Modelling, 2021, 89, 541-571.	4.2	44
8	Robust topology optimization methodology for continuum structures under probabilistic and fuzzy uncertainties. International Journal for Numerical Methods in Engineering, 2021, 122, 2095-2111.	2.8	25
9	Three-dimensional transient heat conduction problems in FGMs via IG-DRBEM. Computer Methods in Applied Mechanics and Engineering, 2021, 384, 113958.	6.6	22
10	Fast calculation of latent heat storage process in the direct steam generation solar thermal power system using a POD reduced-order model. Solar Energy, 2021, 227, 541-556.	6.1	2
11	Identification of thermal conductivity for orthotropic FGMs by DT-DRBEM and L-M algorithm. Inverse Problems in Science and Engineering, 2020, 28, 196-219.	1.2	9
12	A novel domain propulsion and adaptive modified inversion method for the inverse geometry heat conduction analysis of FGMs. Numerical Heat Transfer; Part A: Applications, 2020, 78, 392-422.	2.1	3
13	A non-iterative identification method of dynamic loads for different structures. Journal of Sound and Vibration, 2020, 483, 115508.	3.9	7
14	Robust design optimization of imperfect stiffened shells using an active learning method and a hybrid surrogate model. Engineering Optimization, 2020, 52, 2044-2061.	2.6	19
15	A novel inversion approach for identifying the shape of cavity by combining Gappy POD with direct inversion scheme. International Journal of Heat and Mass Transfer, 2020, 150, 119365.	4.8	8
16	Seismic Response Investigation and Nonlinear Numerical Analysis of Cold-Formed Thin-Walled Steel Tube Truss Shear Walls. International Journal of Steel Structures, 2019, 19, 1662-1681.	1.3	6
17	Inversing heat flux boundary conditions based on precise integration FEM without iteration and estimation of thermal stress in FGMs. International Journal of Thermal Sciences, 2019, 140, 201-224.	4.9	11
18	A novel non-iterative method for estimating boundary conditions and geometry of furnace inner wall made of FGMs. Applied Thermal Engineering, 2019, 147, 251-271.	6.0	15

#	Article	IF	Citations
19	An importance learning method for non-probabilistic reliability analysis and optimization. Structural and Multidisciplinary Optimization, 2019, 59, 1255-1271.	3.5	92
20	Improved Cuckoo Search Algorithm for Solving Inverse Geometry Heat Conduction Problems. Heat Transfer Engineering, 2019, 40, 362-374.	1.9	17
21	Estimation of boundary condition on the furnace inner wall based on precise integration BEM without iteration. International Journal of Heat and Mass Transfer, 2018, 122, 823-845.	4.8	19
22	Identification of transient boundary conditions with improved cuckoo search algorithm and polynomial approximation. Engineering Analysis With Boundary Elements, 2018, 95, 124-141.	3.7	13
23	An accurate and efficient reliability-based design optimization using the second order reliability method and improved stability transformation method. Engineering Optimization, 2018, 50, 749-765.	2.6	12
24	Firefly algorithm combined with Newton method to identify boundary conditions for transient heat conduction problems. Numerical Heat Transfer, Part B: Fundamentals, 2017, 71, 253-269.	0.9	9
25	A novel non-iterative inverse method for estimating boundary condition of the furnace inner wall. International Communications in Heat and Mass Transfer, 2017, 87, 91-97.	5.6	18
26	Shape identification for inverse geometry heat conduction problems by FEM without iteration. Numerical Heat Transfer; Part A: Applications, 2017, 72, 628-641.	2.1	16
27	Geometry boundary identification of the furnace inner wall by BEM without iteration. Numerical Heat Transfer; Part A: Applications, 2016, 69, 1253-1262.	2.1	19
28	A differential transformation boundary element method for solving transient heat conduction problems in functionally graded materials. Numerical Heat Transfer; Part A: Applications, 2016, 70, 293-309.	2.1	19
29	Radial integration BEM for solving non-Fourier heat conduction problems. Engineering Analysis With Boundary Elements, 2015, 60, 18-26.	3.7	7
30	Precise Time-Domain Expanding BEM for Solving Non-Fourier Heat Conduction Problems. Numerical Heat Transfer, Part B: Fundamentals, 2015, 68, 511-532.	0.9	5
31	Precise time-domain expanding dual reciprocity boundary element method for solving transient heat conduction problems. International Journal of Heat and Mass Transfer, 2015, 91, 110-118.	4.8	31
32	A Precise Integration Boundary-Element Method for Solving Transient Heat Conduction Problems with Variable Thermal Conductivity. Numerical Heat Transfer, Part B: Fundamentals, 2014, 65, 472-493.	0.9	18
33	A Precise Time-Domain Expanding Boundary-Element Method for Solving Three-Dimensional Transient Heat Conduction Problems with Variable Thermal Conductivity. Numerical Heat Transfer, Part B: Fundamentals, 2014, 66, 422-445.	0.9	15
34	Radial integration BEM for one-phase solidification problems. Engineering Analysis With Boundary Elements, 2014, 39, 36-43.	3.7	15
35	A Combined Approach of RIBEM and Precise Time Integration Algorithm for Solving Transient Heat Conduction Problems. Numerical Heat Transfer, Part B: Fundamentals, 2014, 65, 155-173.	0.9	14
36	A precise integration boundary element method for solving transient heat conduction problems. International Journal of Heat and Mass Transfer, 2014, 78, 883-891.	4.8	39