

Bo Yu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3584450/publications.pdf>

Version: 2024-02-01

36
papers

617
citations

567281

15
h-index

642732

23
g-index

36
all docs

36
docs citations

36
times ranked

303
citing authors

#	ARTICLE	IF	CITATIONS
1	An importance learning method for non-probabilistic reliability analysis and optimization. <i>Structural and Multidisciplinary Optimization</i> , 2019, 59, 1255-1271.	3.5	92
2	The scaled boundary finite element method based on the hybrid quadtree mesh for solving transient heat conduction problems. <i>Applied Mathematical Modelling</i> , 2021, 89, 541-571.	4.2	44
3	A precise integration boundary element method for solving transient heat conduction problems. <i>International Journal of Heat and Mass Transfer</i> , 2014, 78, 883-891.	4.8	39
4	Isogeometric dual reciprocity boundary element method for solving transient heat conduction problems with heat sources. <i>Journal of Computational and Applied Mathematics</i> , 2021, 385, 113197.	2.0	33
5	Precise time-domain expanding dual reciprocity boundary element method for solving transient heat conduction problems. <i>International Journal of Heat and Mass Transfer</i> , 2015, 91, 110-118.	4.8	31
6	Robust topology optimization methodology for continuum structures under probabilistic and fuzzy uncertainties. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 2095-2111.	2.8	25
7	Three-dimensional transient heat conduction problems in FGMs via IG-DRBEM. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 384, 113958.	6.6	22
8	Geometry boundary identification of the furnace inner wall by BEM without iteration. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016, 69, 1253-1262.	2.1	19
9	A differential transformation boundary element method for solving transient heat conduction problems in functionally graded materials. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016, 70, 293-309.	2.1	19
10	Estimation of boundary condition on the furnace inner wall based on precise integration BEM without iteration. <i>International Journal of Heat and Mass Transfer</i> , 2018, 122, 823-845.	4.8	19
11	Robust design optimization of imperfect stiffened shells using an active learning method and a hybrid surrogate model. <i>Engineering Optimization</i> , 2020, 52, 2044-2061.	2.6	19
12	A Precise Integration Boundary-Element Method for Solving Transient Heat Conduction Problems with Variable Thermal Conductivity. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2014, 65, 472-493.	0.9	18
13	A novel non-iterative inverse method for estimating boundary condition of the furnace inner wall. <i>International Communications in Heat and Mass Transfer</i> , 2017, 87, 91-97.	5.6	18
14	Improved Cuckoo Search Algorithm for Solving Inverse Geometry Heat Conduction Problems. <i>Heat Transfer Engineering</i> , 2019, 40, 362-374.	1.9	17
15	Shape identification for inverse geometry heat conduction problems by FEM without iteration. <i>Numerical Heat Transfer; Part A: Applications</i> , 2017, 72, 628-641.	2.1	16
16	A Precise Time-Domain Expanding Boundary-Element Method for Solving Three-Dimensional Transient Heat Conduction Problems with Variable Thermal Conductivity. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2014, 66, 422-445.	0.9	15
17	Radial integration BEM for one-phase solidification problems. <i>Engineering Analysis With Boundary Elements</i> , 2014, 39, 36-43.	3.7	15
18	A novel non-iterative method for estimating boundary conditions and geometry of furnace inner wall made of FGMs. <i>Applied Thermal Engineering</i> , 2019, 147, 251-271.	6.0	15

#	ARTICLE	IF	CITATIONS
19	A Combined Approach of RIBEM and Precise Time Integration Algorithm for Solving Transient Heat Conduction Problems. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2014, 65, 155-173.	0.9	14
20	Identification of transient boundary conditions with improved cuckoo search algorithm and polynomial approximation. <i>Engineering Analysis With Boundary Elements</i> , 2018, 95, 124-141.	3.7	13
21	An accurate and efficient reliability-based design optimization using the second order reliability method and improved stability transformation method. <i>Engineering Optimization</i> , 2018, 50, 749-765.	2.6	12
22	Inversing heat flux boundary conditions based on precise integration FEM without iteration and estimation of thermal stress in FGMs. <i>International Journal of Thermal Sciences</i> , 2019, 140, 201-224.	4.9	11
23	Explicit multi-material topology optimization embedded with variable-size movable holes using moving morphable bars. <i>Engineering Optimization</i> , 2021, 53, 1212-1229.	2.6	10
24	Reliability-based topology optimization of continuum structure under buckling and compliance constraints. <i>International Journal for Numerical Methods in Engineering</i> , 2022, 123, 4032-4053.	2.8	10
25	Firefly algorithm combined with Newton method to identify boundary conditions for transient heat conduction problems. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2017, 71, 253-269.	0.9	9
26	Identification of thermal conductivity for orthotropic FGMs by DT-DRBEM and L-M algorithm. <i>Inverse Problems in Science and Engineering</i> , 2020, 28, 196-219.	1.2	9
27	A novel inversion approach for identifying the shape of cavity by combining Gappy POD with direct inversion scheme. <i>International Journal of Heat and Mass Transfer</i> , 2020, 150, 119365.	4.8	8
28	Radial integration BEM for solving non-Fourier heat conduction problems. <i>Engineering Analysis With Boundary Elements</i> , 2015, 60, 18-26.	3.7	7
29	A non-iterative identification method of dynamic loads for different structures. <i>Journal of Sound and Vibration</i> , 2020, 483, 115508.	3.9	7
30	Seismic Response Investigation and Nonlinear Numerical Analysis of Cold-Formed Thin-Walled Steel Tube Truss Shear Walls. <i>International Journal of Steel Structures</i> , 2019, 19, 1662-1681.	1.3	6
31	An isogeometric boundary element method for transient heat transfer problems in inhomogeneous materials and the non-iterative inversion of loads. <i>Applied Thermal Engineering</i> , 2022, 212, 118600.	6.0	6
32	Precise Time-Domain Expanding BEM for Solving Non-Fourier Heat Conduction Problems. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2015, 68, 511-532.	0.9	5
33	The pixel-based quadtree SBFEM with the parameter level set method for identifying cracks and voids. <i>Computational Mechanics</i> , 2022, 70, 911-929.	4.0	5
34	Defect identification in heat transfer problems using boundary data. <i>Numerical Heat Transfer; Part A: Applications</i> , 2022, 82, 482-506.	2.1	4
35	A novel domain propulsion and adaptive modified inversion method for the inverse geometry heat conduction analysis of FGMs. <i>Numerical Heat Transfer; Part A: Applications</i> , 2020, 78, 392-422.	2.1	3
36	Fast calculation of latent heat storage process in the direct steam generation solar thermal power system using a POD reduced-order model. <i>Solar Energy</i> , 2021, 227, 541-556.	6.1	2