Xing Wei

List of Publications by Year
in descending order

20 papers	389 citations	758635 12 h-index	752256 20 g-index
20 all docs	20 docs citations	20 times ranked	144 citing authors

#	Article	IF	Citations
1	Singular boundary method for heat conduction problems with certain spatially varying conductivity. Computers and Mathematics With Applications, 2015, 69, 206-222.	1.4	43
2	A simple accurate formula evaluating origin intensity factor in singular boundary method for two-dimensional potential problems with Dirichlet boundary. Engineering Analysis With Boundary Elements, 2015, 58, 151-165.	2.0	42
3	2.5D singular boundary method for acoustic wave propagation. Applied Mathematics Letters, 2021, 112, 106760.	1.5	39
4	A frequency domain formulation of the singular boundary method for dynamic analysis of thin elastic plate. Engineering Analysis With Boundary Elements, 2019, 98, 77-87.	2.0	35
5	Singular boundary method for 2D and 3D heat source reconstruction. Applied Mathematics Letters, 2020, 102, 106103.	1.5	34
6	A boundary-only treatment by singular boundary method for two-dimensional inhomogeneous problems. Applied Mathematical Modelling, 2018, 62, 338-351.	2.2	32
7	An ACA-SBM for some 2D steady-state heat conduction problems. Engineering Analysis With Boundary Elements, 2016, 71, 101-111.	2.0	29
8	Characterization of space-dependent thermal conductivity for nonlinear functionally graded materials. International Journal of Heat and Mass Transfer, 2015, 84, 691-699.	2.5	22
9	An ACA accelerated MFS for potential problems. Engineering Analysis With Boundary Elements, 2014, 41, 90-97.	2.0	21
10	Identification of the thermal conductivity coefficients of 3D anisotropic media by the singular boundary method. International Journal of Heat and Mass Transfer, 2016, 100, 24-33.	2.5	21
11	Singular boundary method for 3D time-harmonic electromagnetic scattering problems. Applied Mathematical Modelling, 2019, 76, 617-631.	2.2	17
12	The singular boundary method for two-dimensional static thermoelasticity analysis. Computers and Mathematics With Applications, 2016, 72, 2716-2730.	1.4	12
13	A half-space singular boundary method for predicting ground-borne vibrations. Applied Mathematical Modelling, 2022, 111, 630-643.	2.2	10
14	A meshless singular boundary method for elastic wave propagation in 2D partially saturated poroelastic media. Engineering Analysis With Boundary Elements, 2020, 113, 82-98.	2.0	8
15	Identification of Elastic Orthotropic Material Parameters by the Singular Boundary Method. Advances in Applied Mathematics and Mechanics, 2016, 8, 810-826.	0.7	6
16	Characterization of elastic parameters for functionally graded material by a meshfree method combined with the NMS approach. Inverse Problems in Science and Engineering, 2018, 26, 601-617.	1.2	6
17	A 2D frequency-domain wave based method for dynamic analysis of orthotropic solids. Computers and Structures, 2020, 238, 106300.	2.4	4
18	Multiple reciprocity singular boundary method for 3D inhomogeneous problems. Engineering Analysis With Boundary Elements, 2020, 117, 212-220.	2.0	4

#	Article	IF	Citations
19	The singular boundary method for solving Signorini problems. Engineering Analysis With Boundary Elements, 2020, 113, 306-314.	2.0	3
20	An Isogeometric BÃ©zier Finite Element Method for Vibration Optimization of Functionally Graded Plate with Local Refinement. Crystals, 2022, 12, 830.	1.0	1