

Daniel Lesnic

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8629223/daniel-lesnic-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

263
papers

4,834
citations

33
h-index

54
g-index

273
ext. papers

5,232
ext. citations

2.7
avg, IF

6.05
L-index

#	Paper	IF	Citations
263	The boundary-element method for the determination of a heat source dependent on one variable. <i>Journal of Engineering Mathematics</i> , 2006 , 54, 375-388	1.2	174
262	A survey of applications of the MFS to inverse problems. <i>Inverse Problems in Science and Engineering</i> , 2011 , 19, 309-336	1.3	162
261	The Cauchy problem for Laplace equation via the conjugate gradient method. <i>IMA Journal of Applied Mathematics</i> , 2000 , 65, 199-217	1	127
260	Determination of a spacewise dependent heat source. <i>Journal of Computational and Applied Mathematics</i> , 2007 , 209, 66-80	2.4	118
259	The method of fundamental solutions for the Cauchy problem associated with two-dimensional Helmholtz-type equations. <i>Computers and Structures</i> , 2005 , 83, 267-278	4.5	118
258	A variational method for identifying a spacewise-dependent heat source. <i>IMA Journal of Applied Mathematics</i> , 2007 , 72, 748-760	1	93
257	Conjugate gradient-boundary element solution to the Cauchy problem for Helmholtz-type equations. <i>Computational Mechanics</i> , 2003 , 31, 367-377	4	92
256	The method of fundamental solutions for the Cauchy problem in two-dimensional linear elasticity. <i>International Journal of Solids and Structures</i> , 2004 , 41, 3425-3438	3.1	84
255	An iterative boundary element method for solving the one-dimensional backward heat conduction problem. <i>International Journal of Heat and Mass Transfer</i> , 2001 , 44, 1937-1946	4.9	80
254	An alternating iterative algorithm for the Cauchy problem associated to the Helmholtz equation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2003 , 192, 709-722	5.7	78
253	Free convection boundary-layer flow along a vertical surface in a porous medium with Newtonian heating. <i>International Journal of Heat and Mass Transfer</i> , 1999 , 42, 2621-2627	4.9	77
252	An iterative boundary element method for solving numerically the Cauchy problem for the Laplace equation. <i>Engineering Analysis With Boundary Elements</i> , 1997 , 20, 123-133	2.6	76
251	Application of the boundary element method to inverse heat conduction problems. <i>International Journal of Heat and Mass Transfer</i> , 1996 , 39, 1503-1517	4.9	73
250	The Decomposition Approach to Inverse Heat Conduction. <i>Journal of Mathematical Analysis and Applications</i> , 1999 , 232, 82-98	1.1	70
249	A procedure for determining a spacewise dependent heat source and the initial temperature. <i>Applicable Analysis</i> , 2008 , 87, 265-276	0.8	63
248	The method of fundamental solutions for nonlinear functionally graded materials. <i>International Journal of Solids and Structures</i> , 2007 , 44, 6878-6890	3.1	63
247	BEM solution for the Cauchy problem associated with Helmholtz-type equations by the Landweber method. <i>Engineering Analysis With Boundary Elements</i> , 2004 , 28, 1025-1034	2.6	57

246	A method of fundamental solutions for the one-dimensional inverse Stefan problem. <i>Applied Mathematical Modelling</i> , 2011 , 35, 4367-4378	4.5	56
245	The method of fundamental solutions for inverse boundary value problems associated with the two-dimensional biharmonic equation. <i>Mathematical and Computer Modelling</i> , 2005 , 42, 261-278		53
244	A method of fundamental solutions for transient heat conduction. <i>Engineering Analysis With Boundary Elements</i> , 2008 , 32, 697-703	2.6	52
243	Regularization of parabolic equations backward in time by a non-local boundary value problem method. <i>IMA Journal of Applied Mathematics</i> , 2010 , 75, 291-315	1	49
242	Determination of a time-dependent heat source under nonlocal boundary and integral overdetermination conditions. <i>Applied Mathematics and Computation</i> , 2011 , 218, 4138-4146	2.7	46
241	Boundary element solution for the Cauchy problem in linear elasticity using singular value decomposition. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2002 , 191, 3257-3270	5.7	42
240	Boundary element method for the Cauchy problem in linear elasticity. <i>Engineering Analysis With Boundary Elements</i> , 2001 , 25, 783-793	2.6	42
239	An iterative boundary element method for solving the backward heat conduction problem using an elliptic approximation. <i>Inverse Problems in Science and Engineering</i> , 1998 , 6, 255-279		41
238	A non-local boundary value problem method for the Cauchy problem for elliptic equations. <i>Inverse Problems</i> , 2009 , 25, 055002	2.3	40
237	The boundary element solution of the Cauchy steady heat conduction problem in an anisotropic medium. <i>International Journal for Numerical Methods in Engineering</i> , 2000 , 49, 481-499	2.4	40
236	A comparison of boundary element method formulations for steady state anisotropic heat conduction problems. <i>Engineering Analysis With Boundary Elements</i> , 2001 , 25, 115-128	2.6	39
235	Comparison of regularization methods for solving the Cauchy problem associated with the Helmholtz equation. <i>International Journal for Numerical Methods in Engineering</i> , 2004 , 60, 1933-1947	2.4	38
234	Steady-state nonlinear heat conduction in composite materials using the method of fundamental solutions. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2008 , 197, 3122-3137	5.7	36
233	Identification of the Thermal Conductivity and Heat Capacity in Unsteady Nonlinear Heat Conduction Problems Using the Boundary Element Method. <i>Journal of Computational Physics</i> , 1996 , 126, 410-420	4.1	35
232	An inverse time-dependent source problem for the heat equation. <i>Applied Numerical Mathematics</i> , 2013 , 69, 13-33	2.5	33
231	A method of fundamental solutions for two-dimensional heat conduction. <i>International Journal of Computer Mathematics</i> , 2011 , 88, 1697-1713	1.2	33
230	A method of fundamental solutions for transient heat conduction in layered materials. <i>Engineering Analysis With Boundary Elements</i> , 2009 , 33, 1362-1367	2.6	32
229	Free convection boundary-layer flow above a nearly horizontal surface in a porous medium with newtonian heating. <i>Heat and Mass Transfer</i> , 2004 , 40, 665	2.2	32

228	A DECOMPOSITION METHOD FOR POWER-LAW FIN-TYPE PROBLEMS. <i>International Communications in Heat and Mass Transfer</i> , 2004 , 31, 673-682	5.8	32
227	Regularized boundary element solution for an inverse boundary value problem in linear elasticity. <i>Communications in Numerical Methods in Engineering</i> , 2002 , 18, 817-825		32
226	Detection of cavities using the method of fundamental solutions. <i>Inverse Problems in Science and Engineering</i> , 2009 , 17, 803-820	1.3	31
225	Convergence of Adomian's decomposition method: periodic temperatures. <i>Computers and Mathematics With Applications</i> , 2002 , 44, 13-24	2.7	31
224	The method of fundamental solutions for free surface Stefan problems. <i>Engineering Analysis With Boundary Elements</i> , 2009 , 33, 529-538	2.6	30
223	Identification of a spacewise dependent heat source. <i>Applied Mathematical Modelling</i> , 2013 , 37, 10231-10244	1.5	28
222	The method of fundamental solutions for detection of cavities in EIT. <i>Journal of Integral Equations and Applications</i> , 2009 , 21,	1.2	28
221	The boundary element solution of the Laplace and biharmonic equations subjected to noisy boundary data. <i>International Journal for Numerical Methods in Engineering</i> , 1998 , 43, 479-492	2.4	28
220	Relaxation procedures for an iterative algorithm for solving the Cauchy problem for the Laplace equation. <i>Engineering Analysis With Boundary Elements</i> , 2004 , 28, 655-665	2.6	28
219	The method of fundamental solutions for an inverse boundary value problem in static thermo-elasticity. <i>Computers and Structures</i> , 2014 , 135, 32-39	4.5	27
218	Dual reciprocity boundary element method solution of the Cauchy problem for Helmholtz-type equations with variable coefficients. <i>Journal of Sound and Vibration</i> , 2006 , 297, 89-105	3.9	26
217	Conjugate Gradient-Boundary Element Method for the Cauchy Problem in Elasticity. <i>Quarterly Journal of Mechanics and Applied Mathematics</i> , 2002 , 55, 227-247	1	26
216	The method of fundamental solutions for the inverse conductivity problem. <i>Inverse Problems in Science and Engineering</i> , 2010 , 18, 567-583	1.3	25
215	Application of the MFS to inverse obstacle scattering problems. <i>Engineering Analysis With Boundary Elements</i> , 2011 , 35, 631-638	2.6	25
214	Blow-up solutions obtained using the decomposition method. <i>Chaos, Solitons and Fractals</i> , 2006 , 28, 776-787	1.3	24
213	An alternating method for the stationary Stokes system. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2006 , 86, 268-280	1	24
212	A computational algebraic investigation of the decomposition method for time-dependent problems. <i>Applied Mathematics and Computation</i> , 2001 , 119, 197-206	2.7	24
211	The method of fundamental solutions for three-dimensional inverse geometric elasticity problems. <i>Computers and Structures</i> , 2016 , 166, 51-59	4.5	23

210	A boundary element method for a multi-dimensional inverse heat conduction problem. <i>International Journal of Computer Mathematics</i> , 2012 , 89, 1540-1554	1.2	23
209	Determination of a time-dependent diffusivity from nonlocal conditions. <i>Journal of Applied Mathematics and Computing</i> , 2013 , 41, 301-320	1.8	23
208	Determination of a time-dependent heat transfer coefficient in a nonlinear inverse heat conduction problem. <i>Inverse Problems in Science and Engineering</i> , 2010 , 18, 65-81	1.3	23
207	Numerical approximation of the one-dimensional inverse Cauchy-Stefan problem using a method of fundamental solutions. <i>Inverse Problems in Science and Engineering</i> , 2011 , 19, 659-677	1.3	23
206	A Dual Reciprocity Boundary Element Method for the Regularized Numerical Solution of the Inverse Source Problem Associated to the Poisson Equation. <i>Inverse Problems in Science and Engineering</i> , 2003 , 11, 123-139		23
205	Treatment of singularities in Helmholtz-type equations using the boundary element method. <i>Journal of Sound and Vibration</i> , 2004 , 278, 39-62	3.9	23
204	A Boundary Element Regularization Method for the Boundary Determination in Potential Corrosion Damage. <i>Inverse Problems in Science and Engineering</i> , 2002 , 10, 163-182		23
203	A moving pseudo-boundary method of fundamental solutions for void detection. <i>Numerical Methods for Partial Differential Equations</i> , 2013 , 29, 935-960	2.5	22
202	The method of fundamental solutions for the detection of rigid inclusions and cavities in plane linear elastic bodies. <i>Computers and Structures</i> , 2012 , 106-107, 176-188	4.5	22
201	A nonlinear reaction-diffusion process using the Adomian decomposition method. <i>International Communications in Heat and Mass Transfer</i> , 2007 , 34, 129-135	5.8	22
200	Analysis of coefficient identification problems associated to the inverse Euler-Bernoulli beam theory. <i>IMA Journal of Applied Mathematics</i> , 1999 , 62, 101-116	1	22
199	An inversion method for the determination of the particle size distribution from diffusion battery measurements. <i>Journal of Aerosol Science</i> , 1995 , 26, 797-812	4.3	22
198	Determination of a source in the heat equation from integral observations. <i>Journal of Computational and Applied Mathematics</i> , 2014 , 264, 82-98	2.4	21
197	BEM first-order regularisation method in linear elasticity for boundary identification. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2003 , 192, 2059-2071	5.7	21
196	Conjugate mixed convection on a vertical surface in a porous medium. <i>International Journal of Heat and Mass Transfer</i> , 1995 , 38, 1517-1525	4.9	21
195	Regularized MFS solution of inverse boundary value problems in three-dimensional steady-state linear thermoelasticity. <i>International Journal of Solids and Structures</i> , 2016 , 91, 127-142	3.1	20
194	The method of fundamental solutions for the identification of a sound-soft obstacle in inverse acoustic scattering. <i>Applied Numerical Mathematics</i> , 2012 , 62, 1767-1780	2.5	20
193	Determination of a time-dependent heat transfer coefficient from non-standard boundary measurements. <i>Mathematics and Computers in Simulation</i> , 2009 , 79, 1577-1584	3.3	20

192	An efficient method for computing eigenlements of Sturm-Liouville fourth-order boundary value problems. <i>Applied Mathematics and Computation</i> , 2006 , 182, 1247-1254	2.7	20
191	The method of fundamental solutions for solving direct and inverse Signorini problems. <i>Computers and Structures</i> , 2015 , 151, 11-19	4.5	19
190	Simultaneous determination of time-dependent coefficients in the heat equation. <i>Computers and Mathematics With Applications</i> , 2014 , 67, 1065-1091	2.7	19
189	Reconstruction of the Space- and Time-Dependent Blood Perfusion Coefficient in Bio-Heat Transfer. <i>Heat Transfer Engineering</i> , 2011 , 32, 800-810	1.7	19
188	Space-dependent perfusion coefficient identification in the transient bio-heat equation. <i>Journal of Engineering Mathematics</i> , 2010 , 67, 307-315	1.2	19
187	Boundary Element Regularisation Methods for Solving the Cauchy Problem in Linear Elasticity. <i>Inverse Problems in Science and Engineering</i> , 2002 , 10, 335-357		19
186	Treatment of singularities in time-dependent problems using the boundary element method. <i>Engineering Analysis With Boundary Elements</i> , 1995 , 16, 65-70	2.6	19
185	Fitting the two-compartment model in DCE-MRI by linear inversion. <i>Magnetic Resonance in Medicine</i> , 2016 , 76, 998-1006	4.4	18
184	Determination of the heat transfer coefficients in transient heat conduction. <i>Inverse Problems</i> , 2013 , 29, 095020	2.3	18
183	The method of fundamental solutions for a biharmonic inverse boundary determination problem. <i>Computational Mechanics</i> , 2008 , 42, 371-379	4	18
182	Identification of the population density of a species model with nonlocal diffusion and nonlinear reaction. <i>Inverse Problems</i> , 2017 , 33, 055019	2.3	17
181	An inverse problem of finding the time-dependent thermal conductivity from boundary data. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 85, 147-154	5.8	17
180	A method of fundamental solutions for the radially symmetric inverse heat conduction problem. <i>International Communications in Heat and Mass Transfer</i> , 2012 , 39, 887-895	5.8	17
179	A comparative study on applying the method of fundamental solutions to the backward heat conduction problem. <i>Mathematical and Computer Modelling</i> , 2011 , 54, 403-416		17
178	The MFS for numerical boundary identification in two-dimensional harmonic problems. <i>Engineering Analysis With Boundary Elements</i> , 2011 , 35, 342-354	2.6	17
177	A alternating boundary element method for solving cauchy problems for the biharmonic equation. <i>Inverse Problems in Science and Engineering</i> , 1997 , 5, 145-168		17
176	The boundary element method for the solution of Stokes equations in two-dimensional domains. <i>Engineering Analysis With Boundary Elements</i> , 1998 , 22, 317-326	2.6	17
175	A three-dimensional boundary determination problem in potential corrosion damage. <i>Computational Mechanics</i> , 2005 , 36, 129-138	4	17

174	Multiple time-dependent coefficient identification thermal problems with a free boundary. <i>Applied Numerical Mathematics</i> , 2016 , 99, 24-50	2.5	16
173	Determination of a time-dependent coefficient in the bioheat equation. <i>International Journal of Mechanical Sciences</i> , 2014 , 88, 259-266	5.5	16
172	An inverse coefficient identification problem for the bio-heat equation. <i>Inverse Problems in Science and Engineering</i> , 2009 , 17, 65-83	1.3	16
171	A Variational Method and Approximations of a Cauchy Problem for Elliptic Equations. <i>Journal of Algorithms and Computational Technology</i> , 2010 , 4, 89-119	0.7	16
170	Inverse time-dependent perfusion coefficient identification. <i>Journal of Physics: Conference Series</i> , 2008 , 124, 012050	0.3	16
169	The decomposition method for Cauchy reaction-diffusion problems. <i>Applied Mathematics Letters</i> , 2007 , 20, 412-418	3.5	16
168	Reconstruction of heat transfer coefficients using the boundary element method. <i>Computers and Mathematics With Applications</i> , 2008 , 56, 114-126	2.7	16
167	Analysis of polygonal fins using the boundary element method. <i>Applied Thermal Engineering</i> , 2004 , 24, 1321-1339	5.8	16
166	The decomposition method for Cauchy advection-diffusion problems. <i>Computers and Mathematics With Applications</i> , 2005 , 49, 525-537	2.7	16
165	A note on the determination of the thermal properties of a material in a transient nonlinear heat conduction problem. <i>International Communications in Heat and Mass Transfer</i> , 1995 , 22, 475-482	5.8	16
164	A new general filter regularization method for Cauchy problems for elliptic equations with a locally Lipschitz nonlinear source. <i>Journal of Mathematical Analysis and Applications</i> , 2016 , 434, 1376-1393	1.1	15
163	Identification of a time-dependent bio-heat blood perfusion coefficient. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 75, 218-222	5.8	15
162	A moving pseudo-boundary MFS for void detection in two-dimensional thermoelasticity. <i>International Journal of Mechanical Sciences</i> , 2014 , 88, 276-288	5.5	15
161	A Numerical Solution for an Inverse Natural Magneto-Convection Problem. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2013 , 63, 115-138	1.3	15
160	Satisfier function in Ritz-Galerkin method for the identification of a time-dependent diffusivity. <i>Journal of Inverse and Ill-Posed Problems</i> , 2012 , 20,	1.3	15
159	A meshless method for an inverse two-phase one-dimensional linear Stefan problem. <i>Inverse Problems in Science and Engineering</i> , 2013 , 21, 17-33	1.3	15
158	THE METHOD OF FUNDAMENTAL SOLUTIONS FOR AN INVERSE INTERNAL BOUNDARY VALUE PROBLEM FOR THE BIHARMONIC EQUATION. <i>International Journal of Computational Methods</i> , 2009 , 06, 557-567	1.1	15
157	A mathematical model and numerical investigation for determining the hydraulic conductivity of rocks. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 1997 , 34, 741-759	6	15

156	The decomposition method for initial value problems. <i>Applied Mathematics and Computation</i> , 2006 , 181, 206-213	2.7	15
155	Decomposition methods for non-linear, non-characteristic Cauchy heat problems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2005 , 10, 581-596	3.7	15
154	The identification of the piecewise homogeneous thermal conductivity of conductors subjected to a heat flow test. <i>International Journal of Heat and Mass Transfer</i> , 1999 , 42, 143-152	4.9	15
153	Inverse space-dependent force problems for the wave equation. <i>Journal of Computational and Applied Mathematics</i> , 2016 , 306, 10-39	2.4	15
152	The method of fundamental solutions for Helmholtz-type equations in composite materials. <i>Computers and Mathematics With Applications</i> , 2011 , 62, 4377-4390	2.7	14
151	Boundary element two-dimensional solution of an inverse Stokes problem. <i>Engineering Analysis With Boundary Elements</i> , 2000 , 24, 75-88	2.6	14
150	Determination of forcing functions in the wave equation. Part II: the time-dependent case. <i>Journal of Engineering Mathematics</i> , 2016 , 96, 135-153	1.2	13
149	Inverse shape and surface heat transfer coefficient identification. <i>Journal of Computational and Applied Mathematics</i> , 2012 , 236, 1876-1891	2.4	13
148	The solution of an inverse heat conduction problem subject to the specification of energies. <i>International Journal of Heat and Mass Transfer</i> , 1998 , 41, 25-32	4.9	13
147	The decomposition method for forward and backward time-dependent problems. <i>Journal of Computational and Applied Mathematics</i> , 2002 , 147, 27-39	2.4	13
146	Identification of material properties and cavities in two-dimensional linear elasticity. <i>Computational Mechanics</i> , 2003 , 31, 293-300	4	13
145	Use of the boundary element method to determine the thermal conductivity tensor of an anisotropic medium. <i>International Journal of Heat and Mass Transfer</i> , 2001 , 44, 4157-4167	4.9	13
144	Conjugate Free Convection from a Horizontal Surface in a Porous Medium. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 1995 , 75, 715-722	1	13
143	Determination of forcing functions in the wave equation. Part I: the space-dependent case. <i>Journal of Engineering Mathematics</i> , 2016 , 96, 115-133	1.2	12
142	Determination of inner boundaries in modified Helmholtz inverse geometric problems using the method of fundamental solutions. <i>Mathematics and Computers in Simulation</i> , 2012 , 82, 1445-1458	3.3	12
141	Determination of a time-dependent heat source from nonlocal boundary conditions. <i>Engineering Analysis With Boundary Elements</i> , 2013 , 37, 936-956	2.6	12
140	An inverse time-dependent source problem for the heat equation with a non-classical boundary condition. <i>Applied Mathematical Modelling</i> , 2015 , 39, 6258-6272	4.5	12
139	Heuristic regularization methods for numerical differentiation. <i>Computers and Mathematics With Applications</i> , 2012 , 63, 816-826	2.7	12

138	The inverse source problem for the variable coefficients convection-diffusion equation. <i>Inverse Problems in Science and Engineering</i> , 2007 , 15, 413-440	1.3	12
137	DRBEM for Cauchy convection-diffusion problems with variable coefficients. <i>Engineering Analysis With Boundary Elements</i> , 2004 , 28, 1321-1333	2.6	12
136	Singularities in anisotropic steady-state heat conduction using a boundary element method. <i>International Journal for Numerical Methods in Engineering</i> , 2002 , 53, 2413-2427	2.4	12
135	An iterative boundary element algorithm for a singular Cauchy problem in linear elasticity. <i>Computational Mechanics</i> , 2002 , 28, 479-488	4	12
134	An iterative algorithm for singular Cauchy problems for the steady state anisotropic heat conduction equation. <i>Engineering Analysis With Boundary Elements</i> , 2002 , 26, 157-168	2.6	12
133	The dual reciprocity boundary element method for solving Cauchy problems associated to the Poisson equation. <i>Engineering Analysis With Boundary Elements</i> , 2003 , 27, 955-962	2.6	12
132	A numerical investigation of the inverse potential conductivity problem in a circular inclusion. <i>Inverse Problems in Science and Engineering</i> , 2001 , 9, 1-17		12
131	A comparison of different regularization methods for a Cauchy problem in anisotropic heat conduction. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2003 , 13, 528-546	4.5	12
130	Inverse temperature-dependent perfusion coefficient reconstruction. <i>International Journal of Non-Linear Mechanics</i> , 2010 , 45, 542-549	2.8	11
129	Restoring boundary conditions in heat conduction. <i>Journal of Engineering Mathematics</i> , 2008 , 62, 85-101	1.2	11
128	The Cauchy problem for the wave equation using the decomposition method. <i>Applied Mathematics Letters</i> , 2002 , 15, 697-701	3.5	11
127	Conjugate Free Convection from a Slightly Inclined Plate Embedded in a Porous Medium. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2001 , 81, 465-479	1	11
126	Reconstruction of time-dependent coefficients from heat moments. <i>Applied Mathematics and Computation</i> , 2017 , 301, 233-253	2.7	10
125	Recovering the initial distribution for strongly damped wave equation. <i>Applied Mathematics Letters</i> , 2017 , 73, 69-77	3.5	10
124	Reconstruction of the space-dependent perfusion coefficient from final time or time-average temperature measurements. <i>Journal of Computational and Applied Mathematics</i> , 2018 , 337, 150-165	2.4	10
123	Simultaneous determination of time-dependent coefficients and heat source. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2016 , 17, 401-411	0.7	10
122	Regularized collocation Trefftz method for void detection in two-dimensional steady-state heat conduction problems. <i>Inverse Problems in Science and Engineering</i> , 2014 , 22, 395-418	1.3	10
121	Reconstruction of space-dependent potential and/or damping coefficients in the wave equation. <i>Computers and Mathematics With Applications</i> , 2017 , 74, 1435-1454	2.7	10

120	A numerical study of the SVD-MFS solution of inverse boundary value problems in two-dimensional steady-state linear thermoelasticity. <i>Numerical Methods for Partial Differential Equations</i> , 2015 , 31, 168-201	2.5	10
119	An iterative method for the reconstruction of a stationary flow. <i>Numerical Methods for Partial Differential Equations</i> , 2007 , 23, 998-1017	2.5	10
118	Reconstruction of a stationary flow from incomplete boundary data using iterative methods. <i>European Journal of Applied Mathematics</i> , 2006 , 17, 651	1	10
117	Parameter identification in isotropic linear elasticity using the boundary element method. <i>Engineering Analysis With Boundary Elements</i> , 2004 , 28, 221-233	2.6	10
116	An inverse Stokes problem using interior pressure data. <i>Engineering Analysis With Boundary Elements</i> , 2002 , 26, 739-745	2.6	10
115	A comparison of different methods to solve inverse biharmonic boundary value problems. <i>International Journal for Numerical Methods in Engineering</i> , 1999 , 45, 1791-1806	2.4	10
114	The Pressure-StreamFunction MFS Formulation for the Detection of an Obstacle Immersed in a Two-Dimensional Stokes Flow. <i>Advances in Applied Mathematics and Mechanics</i> , 2010 , 2, 183-199	2.1	10
113	Simultaneous reconstruction of the perfusion coefficient and initial temperature from time-average integral temperature measurements. <i>Applied Mathematical Modelling</i> , 2019 , 68, 523-539	4.5	10
112	Determination of the time-dependent perfusion coefficient in the bio-heat equation. <i>Applied Mathematics Letters</i> , 2015 , 39, 96-100	3.5	9
111	An inverse problem of finding the time-dependent diffusion coefficient from an integral condition. <i>Mathematical Methods in the Applied Sciences</i> , 2016 , 39, 963-980	2.3	9
110	Determination of an additive time- and space-dependent coefficient in the heat equation. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2018 , 28, 1352-1373	4.5	9
109	A meshless method for an inverse two-phase one-dimensional nonlinear Stefan problem. <i>Mathematics and Computers in Simulation</i> , 2014 , 101, 61-77	3.3	9
108	Inverse reconstruction of boundary condition coefficients in one-dimensional transient heat conduction. <i>Applied Mathematics and Computation</i> , 2009 , 207, 569-575	2.7	9
107	A variational conjugate gradient method for determining the fluid velocity of a slow viscous flow. <i>Applicable Analysis</i> , 2006 , 85, 1327-1341	0.8	9
106	PARAMETER IDENTIFICATION IN TWO-DIMENSIONAL FINS USING THE BOUNDARY ELEMENT METHOD. <i>Numerical Heat Transfer; Part A: Applications</i> , 2006 , 50, 315-344	2.3	9
105	An iterative bem for the cauchy steady state heat conduction problem in an anisotropic medium with unknown thermal conductivity tensor. <i>Inverse Problems in Science and Engineering</i> , 2000 , 8, 579-607		9
104	Boundary element methods for determining the fluid velocity in potential flow. <i>Engineering Analysis With Boundary Elements</i> , 1993 , 11, 203-213	2.6	9
103	A Moving Pseudo-Boundary MFS for Three-Dimensional Void Detection. <i>Advances in Applied Mathematics and Mechanics</i> , 2013 , 5, 510-527	2.1	9

102	A Meshless Regularization Method for a Two-Dimensional Two-Phase Linear Inverse Stefan Problem. <i>Advances in Applied Mathematics and Mechanics</i> , 2013 , 5, 825-845	2.1	9
101	Simultaneous determination of time and space-dependent coefficients in a parabolic equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016 , 33, 194-217	3.7	8
100	The method of fundamental solutions for the Oseen steady-state viscous flow past obstacles of known or unknown shapes. <i>Numerical Methods for Partial Differential Equations</i> , 2019 , 35, 2103-2119	2.5	8
99	Determination of a time-dependent thermal diffusivity and free boundary in heat conduction. <i>International Communications in Heat and Mass Transfer</i> , 2014 , 53, 154-163	5.8	8
98	The method of fundamental solutions for the two-dimensional inverse Stefan problem. <i>Inverse Problems in Science and Engineering</i> , 2014 , 22, 112-129	1.3	8
97	A meshless method for solving a two-dimensional transient inverse geometric problem. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2013 , 23, 790-817	4.5	8
96	Reconstruction of boundary condition laws in heat conduction using the boundary element method. <i>Computers and Mathematics With Applications</i> , 2009 , 57, 153-168	2.7	8
95	An inverse source problem for the convection-diffusion equation. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2006 , 16, 125-150	4.5	8
94	Identifiability of distributed parameters for high-order quasi-linear differential equations. <i>Journal of Inverse and Ill-Posed Problems</i> , 2000 , 8, 1-22	1.3	8
93	Inverse time-dependent source problems for the heat equation with nonlocal boundary conditions. <i>Applied Mathematics and Computation</i> , 2019 , 346, 800-815	2.7	8
92	Identification of nonlinear heat transfer laws from boundary observations. <i>Applicable Analysis</i> , 2015 , 94, 1784-1799	0.8	7
91	On the Cauchy problem for semilinear elliptic equations. <i>Journal of Inverse and Ill-Posed Problems</i> , 2016 , 24,	1.3	7
90	The MFS for the identification of a sound-soft interior acoustic scatterer. <i>Engineering Analysis With Boundary Elements</i> , 2017 , 83, 107-112	2.6	7
89	Free Boundary Determination in Nonlinear Diffusion. <i>East Asian Journal on Applied Mathematics</i> , 2013 , 3, 295-310	4	7
88	Identification of the time-dependent perfusion coefficient in the bio-heat conduction equation. <i>Journal of Inverse and Ill-Posed Problems</i> , 2009 , 17,	1.3	7
87	A method of fundamental solutions for radially symmetric and axisymmetric backward heat conduction problems. <i>International Journal of Computer Mathematics</i> , 2012 , 89, 1555-1568	1.2	7
86	Laplacian decomposition and the boundary element method for solving Stokes problems. <i>Engineering Analysis With Boundary Elements</i> , 2007 , 31, 501-513	2.6	7
85	Determination of the flexural rigidity of a beam from limited boundary measurements. <i>Journal of Applied Mathematics and Computing</i> , 2006 , 20, 17-34	1.8	7

84	The boundary element method for the numerical recovery of a circular inhomogeneity in an elliptic equation. <i>Engineering Analysis With Boundary Elements</i> , 2004 , 28, 413-419	2.6	7
83	The determination of the thermal properties of a heat conductor in a nonlinear heat conduction problem. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2002 , 53, 175-196	1.6	7
82	The decomposition method for linear, one-dimensional, time-dependent partial differential equations. <i>International Journal of Mathematics and Mathematical Sciences</i> , 2006 , 2006, 1-29	0.8	7
81	Reconstruction of the timewise conductivity using a linear combination of heat flux measurements. <i>Journal of King Saud University - Science</i> , 2020 , 32, 928-933	3.6	7
80	Identification of a multi-dimensional space-dependent heat source from boundary data. <i>Applied Mathematical Modelling</i> , 2018 , 54, 202-220	4.5	6
79	Topological Derivative for the Inverse Conductivity Problem: A Bayesian Approach. <i>Journal of Scientific Computing</i> , 2015 , 63, 256-278	2.3	6
78	Moving boundary models for the growth of crystalline deposits from undetected leakages of industrial process liquors. <i>Computers and Chemical Engineering</i> , 2014 , 71, 331-346	4	6
77	Reconstruction of an additive space- and time-dependent heat source. <i>European Journal of Computational Mechanics</i> , 2013 , 22, 304-329	0.5	6
76	Determination of the leading coefficient in fourth-order Sturm-Liouville operator from boundary measurements. <i>Inverse Problems in Science and Engineering</i> , 2008 , 16, 413-424	1.3	6
75	Inverse space-dependent perfusion coefficient identification. <i>Journal of Physics: Conference Series</i> , 2008 , 135, 012098	0.3	6
74	A boundary element method for the numerical inversion of discontinuous anisotropic conductivities. <i>Engineering Analysis With Boundary Elements</i> , 2003 , 27, 1-7	2.6	6
73	Two-dimensional thermal analysis of a polygonal fin with two tubes on a square pitch. <i>International Journal of Heat and Mass Transfer</i> , 2005 , 48, 3018-3033	4.9	6
72	Treatment of singularities in exterior fluid domains with corners using the boundary element method. <i>Computers and Fluids</i> , 1994 , 23, 817-827	2.8	6
71	Determination of space-dependent coefficients from temperature measurements using the conjugate gradient method. <i>Numerical Methods for Partial Differential Equations</i> , 2018 , 34, 1370-1400	2.5	6
70	Reconstruction of the perfusion coefficient from temperature measurements using the conjugate gradient method. <i>International Journal of Computer Mathematics</i> , 2018 , 95, 797-814	1.2	5
69	Determination of a Time-Dependent Free Boundary in a Two-Dimensional Parabolic Problem. <i>International Journal of Applied and Computational Mathematics</i> , 2019 , 5, 1	1.3	5
68	A meshless numerical identification of a sound-hard obstacle. <i>Engineering Analysis With Boundary Elements</i> , 2012 , 36, 1074-1081	2.6	5
67	Parameter identification in Helmholtz-type equations with a variable coefficient using a regularized DRBEM. <i>Inverse Problems in Science and Engineering</i> , 2006 , 14, 837-858	1.3	5

66	An inverse dual reciprocity method for hydraulic conductivity identification in steady groundwater flow. <i>Advances in Water Resources</i> , 2004 , 27, 223-235	4.7	5
65	Numerical modelling and experimental investigation of the fluid flow and contaminant dispersion in a channel. <i>International Journal of Heat and Mass Transfer</i> , 2002 , 45, 2707-2718	4.9	5
64	A numerical analysis of the data inversion of particle sizing instruments. <i>Journal of Aerosol Science</i> , 1996 , 27, 1063-1082	4.3	5
63	Agent-based modeling of COVID-19 outbreaks for New York state and UK: Parameter identification algorithm. <i>Infectious Disease Modelling</i> , 2022 , 7, 30-44	15.7	5
62	Regularization of the semilinear sideways heat equation. <i>IMA Journal of Applied Mathematics</i> , 2019 , 84, 258-291	1	5
61	Determination of thermal conductivity of inhomogeneous orthotropic materials from temperature measurements. <i>Inverse Problems in Science and Engineering</i> , 2019 , 27, 1372-1398	1.3	5
60	Reconstruction of a source domain from boundary measurements. <i>Applied Mathematical Modelling</i> , 2017 , 45, 925-939	4.5	4
59	Modelling of gas flow in shale using a finite volume method. <i>Applied Mathematical Modelling</i> , 2017 , 49, 394-414	4.5	4
58	Time-Dependent Reaction Coefficient Identification Problems with a Free Boundary. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2019 , 20, 99-114	0.7	4
57	Determination of the ambient temperature in transient heat conduction. <i>IMA Journal of Applied Mathematics</i> , 2015 , 80, 24-46	1	4
56	Direct and inverse source problems for degenerate parabolic equations. <i>Journal of Inverse and Ill-Posed Problems</i> , 2020 , 28, 425-448	1.3	4
55	On the Cauchy problem for a semilinear fractional elliptic equation. <i>Applied Mathematics Letters</i> , 2018 , 83, 80-86	3.5	4
54	Reconstruction of an elliptical inclusion in the inverse conductivity problem. <i>International Journal of Mechanical Sciences</i> , 2018 , 142-143, 603-609	5.5	4
53	Determination of the Robin coefficient in a nonlinear boundary condition for a steady-state problem. <i>Mathematical Methods in the Applied Sciences</i> , 2009 , 32, 1311-1324	2.3	4
52	THE DETERMINATION OF THE UNKNOWN THERMAL PROPERTIES OF HOMOGENEOUS HEAT CONDUCTORS. <i>International Journal of Computational Methods</i> , 2004 , 01, 431-443	1.1	4
51	A numerical method for an inverse biharmonic problem. <i>Inverse Problems in Science and Engineering</i> , 1999 , 7, 409-431		4
50	Characterizations of the critical Stokes number for potential and viscous flows. <i>Mathematika</i> , 1994 , 41, 277-292	0.6	4
49	The method of fundamental solutions for problems in static thermo-elasticity with incomplete boundary data. <i>Inverse Problems in Science and Engineering</i> , 2017 , 25, 652-673	1.3	3

48	The comparison model method for determining the flexural rigidity of a beam. <i>Journal of Inverse and Ill-Posed Problems</i> , 2010 , 18,	1.3	3
47	A boundary element method for the determination of the transmissivity of a heterogeneous aquifer in groundwater flow systems. <i>Engineering Analysis With Boundary Elements</i> , 1998 , 21, 223-234	2.6	3
46	A mollified method for the solution of the Cauchy problem for the convection-diffusion equation. <i>Inverse Problems in Science and Engineering</i> , 2007 , 15, 293-302	1.3	3
45	Retrieval of Spacewise Dependent Hydraulic Properties of Anisotropic Rocks from Transient Flow Experiments. <i>Transport in Porous Media</i> , 2002 , 48, 79-99	3.1	3
44	The influence of separation on the collection efficiencies of obstacles. <i>Journal of Aerosol Science</i> , 1994 , 25, 527-533	4.3	3
43	A mathematical model for predicting the collection efficiency of the rotating arm collector. <i>Journal of Aerosol Science</i> , 1993 , 24, 163-180	4.3	3
42	Reconstruction of the heat transfer coefficient at the interface of a bi-material. <i>Inverse Problems in Science and Engineering</i> , 2020 , 28, 374-401	1.3	3
41	Sequential particle filter estimation of a time-dependent heat transfer coefficient in a multidimensional nonlinear inverse heat conduction problem. <i>Applied Mathematical Modelling</i> , 2021 , 89, 654-668	4.5	3
40	The method of fundamental solutions for the identification of a scatterer with impedance boundary condition in interior inverse acoustic scattering. <i>Engineering Analysis With Boundary Elements</i> , 2018 , 92, 218-224	2.6	3
39	Identification of the time-dependent conductivity of an inhomogeneous diffusive material. <i>Applied Mathematics and Computation</i> , 2015 , 269, 35-58	2.7	2
38	Simultaneous numerical determination of a corroded boundary and its admittance. <i>Inverse Problems in Science and Engineering</i> , 2015 , 23, 1120-1137	1.3	2
37	Simultaneous reconstruction of space-dependent heat transfer coefficients and initial temperature. <i>Journal of Computational and Applied Mathematics</i> , 2020 , 375, 112800	2.4	2
36	Simultaneous reconstruction of the spatially-distributed reaction coefficient, initial temperature and heat source from temperature measurements at different times. <i>Computers and Mathematics With Applications</i> , 2019 , 78, 3237-3249	2.7	2
35	Retrieving the time-dependent thermal conductivity of an orthotropic rectangular conductor. <i>Applicable Analysis</i> , 2017 , 96, 2604-2618	0.8	2
34	Numerical reconstruction of an inhomogeneity in an elliptic equation. <i>Inverse Problems in Science and Engineering</i> , 2014 , 22, 184-198	1.3	2
33	Spacewise coefficient identification in steady and unsteady one-dimensional diffusion problems. <i>IMA Journal of Applied Mathematics</i> , 1997 , 59, 183-192	1	2
32	Identification of the Hydraulic Properties of Heterogeneous Rocks from Laboratory Flow-Pump Experiments. <i>Journal of Porous Media</i> , 2007 , 10, 71-92	2.9	2
31	Determination of the time-dependent convection coefficient in two-dimensional free boundary problems. <i>Engineering Computations</i> , 2021 , ahead-of-print,	1.4	2

30	Determination of the time-dependent thermal grooving coefficient. <i>Journal of Applied Mathematics and Computing</i> , 2021 , 65, 199-221	1.8	2
29	The method of fundamental solutions for Brinkman flows. Part I. Exterior domains. <i>Journal of Engineering Mathematics</i> , 2021 , 126, 1	1.2	2
28	The Plane Waves Method for Numerical Boundary Identification. <i>Advances in Applied Mathematics and Mechanics</i> , 2017 , 9, 1312-1329	2.1	1
27	Detection of a two-dimensional moving cavity. <i>International Journal of Computer Mathematics</i> , 2012 , 89, 1569-1582	1.2	1
26	The boundary element method for solving the Laplace equation in two-dimensions with oblique derivative boundary conditions. <i>Communications in Numerical Methods in Engineering</i> , 2006 , 23, 1071-1080		1
25	A reliable technique for solving third-order dispersion equations. <i>Kybernetes</i> , 2007 , 36, 697-708	2	1
24	Identifiability of distributed parameters in beam-type systems. <i>Journal of Inverse and Ill-Posed Problems</i> , 2000 , 8,	1.3	1
23	An inverse problem to determine the piecewise homogeneous hydraulic conductivity within rocks. <i>Geological Society Special Publication</i> , 1998 , 147, 261-268	1.7	1
22	18 P 17 On LevinWtheorem for the critical stokes number. <i>Journal of Aerosol Science</i> , 1993 , 24, S151-S152	4.3	1
21	Simultaneous identification and reconstruction of the space-dependent reaction coefficient and source term. <i>Journal of Inverse and Ill-Posed Problems</i> , 2021 , 29, 867-894	1.3	1
20	Determination of the Time-Dependent Thermal Conductivity in the Heat Equation with Spacewise Dependent Heat Capacity. <i>Lecture Notes in Computer Science</i> , 2015 , 217-224	0.9	1
19	Identification of obstacles immersed in a stationary Oseen fluid via boundary measurements. <i>Inverse Problems in Science and Engineering</i> , 2020 , 28, 950-967	1.3	1
18	Reconstruction of the thermal properties in a wave-type model of bio-heat transfer. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020 , 30, 5143-5167	4.5	1
17	Identification of the thermo-physical properties of a stratified tissue. Adiabatic hypodermic wall. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 126, 105376	5.8	1
16	Determination of the time-dependent reaction coefficient and the heat flux in a nonlinear inverse heat conduction problem. <i>International Journal of Computer Mathematics</i> , 2019 , 96, 2079-2099	1.2	1
15	Identification of the initial population of a nonlinear predator-prey system backwards in time. <i>Journal of Mathematical Analysis and Applications</i> , 2019 , 479, 1195-1225	1.1	0
14	Conjugate Film Flow Down a Heated Vertical Wall. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 1997 , 77, 151-154	1	0
13	Identification of the forcing term in hyperbolic equations. <i>International Journal of Computer Mathematics</i> , 2020 , 1-15	1.2	0

12	The method of fundamental solutions for Brinkman flows. Part II. Interior domains. <i>Journal of Engineering Mathematics</i> , 2021 , 127, 1	1.2	0
11	Motion correction of free-breathing magnetic resonance renography using model-driven registration. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021 , 34, 805-822	2.8	0
10	Uniqueness result for an age-dependent reaction-diffusion problem. <i>Applicable Analysis</i> , 2019 , 1-18	0.8	0
9	Determination of the thermo-physical properties of multi-layered biological tissues. <i>Applied Mathematical Modelling</i> , 2021 , 99, 228-242	4.5	0
8	Reconstruction of multiplicative space- and time-dependent sources. <i>Inverse Problems in Science and Engineering</i> , 2016 , 24, 1528-1549	1.3	
7	Algorithmization and mechanization of the Cauchy problem associated with the plate equation. <i>International Journal of Computer Mathematics</i> , 2007 , 84, 51-56	1.2	
6	Boundary Element Solution for the Cauchy Problem Associated with the Helmholtz Equation by the Tikhonov Regularisation Method 2003 , 485-494		
5	Heat conduction with mixed derivatives. <i>International Journal of Computer Mathematics</i> , 2004 , 81, 971-977		
4	Sequential estimation of the time-dependent heat transfer coefficient using the method of fundamental solutions and particle filters. <i>Inverse Problems in Science and Engineering</i> , 1-20	1.3	
3	Determination of time-dependent coefficients in moving boundary problems under nonlocal and heat moment observations. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 1-14	0.7	
2	Solution of the Cauchy problem for the wave equation using iterative regularization. <i>Inverse Problems in Science and Engineering</i> , 1-15	1.3	
1	Reconstruction of a volumetric source domain. <i>Journal of Computational Methods in Sciences and Engineering</i> , 2019 , 19, 367-385	0.3	