Daniel Lesnic

List of Publications by Year in Descending Order

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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	Agent-based modeling of COVID-19 outbreaks for New York state and UK: Parameter identification algorithm. *Infectious Disease Modelling*, **2022**, 7, 30-44	15.7	5
262	Simultaneous identification and reconstruction of the space-dependent reaction coefficient and source term. *Journal of Inverse and Ill-Posed Problems*, **2021**, 29, 867-894	1.3	1
261	The method of fundamental solutions for Brinkman flows. Part II. Interior domains. *Journal of Engineering Mathematics*, **2021**, 127, 1	1.2	0
260	Determination of the time-dependent convection coefficient in two-dimensional free boundary problems. *Engineering Computations*, **2021**, ahead-of-print,	1.4	2
259	Motion correction of free-breathing magnetic resonance renography using model-driven registration. *Magnetic Resonance Materials in Physics, Biology, and Medicine*, **2021**, 34, 805-822	2.8	0
258	Identification of the thermo-physical properties of a stratified tissue. Adiabatic hypodermic wall. *International Communications in Heat and Mass Transfer*, **2021**, 126, 105376	5.8	1
257	Determination of the time-dependent thermal grooving coefficient. *Journal of Applied Mathematics and Computing*, **2021**, 65, 199-221	1.8	2
256	Sequential particle filter estimation of a time-dependent heat transfer coefficient in a multidimensional nonlinear inverse heat conduction problem. *Applied Mathematical Modelling*, **2021**, 89, 654-668	4.5	3
255	Determination of the thermo-physical properties of multi-layered biological tissues. *Applied Mathematical Modelling*, **2021**, 99, 228-242	4.5	0
254	The method of fundamental solutions for Brinkman flows. Part I. Exterior domains. *Journal of Engineering Mathematics*, **2021**, 126, 1	1.2	2
253	Direct and inverse source problems for degenerate parabolic equations. *Journal of Inverse and Ill-Posed Problems*, **2020**, 28, 425-448	1.3	4
252	Simultaneous reconstruction of space-dependent heat transfer coefficients and initial temperature. *Journal of Computational and Applied Mathematics*, **2020**, 375, 112800	2.4	2
251	Identification of obstacles immersed in a stationary Oseen fluid via boundary measurements. *Inverse Problems in Science and Engineering*, **2020**, 28, 950-967	1.3	1
250	Reconstruction of the thermal properties in a wave-type model of bio-heat transfer. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2020**, 30, 5143-5167	4.5	1
249	Identification of the forcing term in hyperbolic equations. *International Journal of Computer Mathematics*, **2020**, 1-15	1.2	0
248	Reconstruction of the timewise conductivity using a linear combination of heat flux measurements. *Journal of King Saud University - Science*, **2020**, 32, 928-933	3.6	7
247	Reconstruction of the heat transfer coefficient at the interface of a bi-material. *Inverse Problems in Science and Engineering*, **2020**, 28, 374-401	1.3	3

246	Identification of the initial population of a nonlinear predator-prey system backwards in time. *Journal of Mathematical Analysis and Applications*, **2019**, 479, 1195-1225	1.1	0
245	Time-Dependent Reaction Coefficient Identification Problems with a Free Boundary. *International Journal for Computational Methods in Engineering Science and Mechanics*, **2019**, 20, 99-114	0.7	4
244	Determination of a Time-Dependent Free Boundary in a Two-Dimensional Parabolic Problem. *International Journal of Applied and Computational Mathematics*, **2019**, 5, 1	1.3	5
243	The method of fundamental solutions for the Oseen steady-state viscous flow past obstacles of known or unknown shapes. *Numerical Methods for Partial Differential Equations*, **2019**, 35, 2103-2119	2.5	8
242	Simultaneous reconstruction of the spatially-distributed reaction coefficient, initial temperature and heat source from temperature measurements at different times. *Computers and Mathematics With Applications*, **2019**, 78, 3237-3249	2.7	2
241	Uniqueness result for an age-dependent reaction–diffusion problem. *Applicable Analysis*, **2019**, 1-18	0.8	0
240	Simultaneous reconstruction of the perfusion coefficient and initial temperature from time-average integral temperature measurements. *Applied Mathematical Modelling*, **2019**, 68, 523-539	4.5	10
239	Inverse time-dependent source problems for the heat equation with nonlocal boundary conditions. *Applied Mathematics and Computation*, **2019**, 346, 800-815	2.7	8
238	Reconstruction of a volumetric source domain. *Journal of Computational Methods in Sciences and Engineering*, **2019**, 19, 367-385	0.3	
237	Regularization of the semilinear sideways heat equation. *IMA Journal of Applied Mathematics*, **2019**, 84, 258-291	1	5
236	Determination of thermal conductivity of inhomogeneous orthotropic materials from temperature measurements. *Inverse Problems in Science and Engineering*, **2019**, 27, 1372-1398	1.3	5
235	Determination of the time-dependent reaction coefficient and the heat flux in a nonlinear inverse heat conduction problem. *International Journal of Computer Mathematics*, **2019**, 96, 2079-2099	1.2	1
234	Reconstruction of the space-dependent perfusion coefficient from final time or time-average temperature measurements. *Journal of Computational and Applied Mathematics*, **2018**, 337, 150-165	2.4	10
233	On the Cauchy problem for a semilinear fractional elliptic equation. *Applied Mathematics Letters*, **2018**, 83, 80-86	3.5	4
232	Reconstruction of the perfusion coefficient from temperature measurements using the conjugate gradient method. *International Journal of Computer Mathematics*, **2018**, 95, 797-814	1.2	5
231	Identification of a multi-dimensional space-dependent heat source from boundary data. *Applied Mathematical Modelling*, **2018**, 54, 202-220	4.5	6
230	Reconstruction of an elliptical inclusion in the inverse conductivity problem. *International Journal of Mechanical Sciences*, **2018**, 142-143, 603-609	5.5	4
229	Determination of an additive time- and space-dependent coefficient in the heat equation. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2018**, 28, 1352-1373	4.5	9

228	The method of fundamental solutions for the identification of a scatterer with impedance boundary condition in interior inverse acoustic scattering. *Engineering Analysis With Boundary Elements*, **2018**, 92, 218-224	2.6	3
227	Determination of space-dependent coefficients from temperature measurements using the conjugate gradient method. *Numerical Methods for Partial Differential Equations*, **2018**, 34, 1370-1400	2.5	6
226	The method of fundamental solutions for problems in static thermo-elasticity with incomplete boundary data. *Inverse Problems in Science and Engineering*, **2017**, 25, 652-673	1.3	3
225	Reconstruction of time-dependent coefficients from heat moments. *Applied Mathematics and Computation*, **2017**, 301, 233-253	2.7	10
224	Reconstruction of a source domain from boundary measurements. *Applied Mathematical Modelling*, **2017**, 45, 925-939	4.5	4
223	Identification of the population density of a species model with nonlocal diffusion and nonlinear reaction. *Inverse Problems*, **2017**, 33, 055019	2.3	17
222	Recovering the initial distribution for strongly damped wave equation. *Applied Mathematics Letters*, **2017**, 73, 69-77	3.5	10
221	Modelling of gas flow in shale using a finite volume method. *Applied Mathematical Modelling*, **2017**, 49, 394-414	4.5	4
220	An inverse problem of finding the time-dependent thermal conductivity from boundary data. *International Communications in Heat and Mass Transfer*, **2017**, 85, 147-154	5.8	17
219	Reconstruction of space-dependent potential and/or damping coefficients in the wave equation. *Computers and Mathematics With Applications*, **2017**, 74, 1435-1454	2.7	10
218	The MFS for the identification of a sound-soft interior acoustic scatterer. *Engineering Analysis With Boundary Elements*, **2017**, 83, 107-112	2.6	7
217	The Plane Waves Method for Numerical Boundary Identification. *Advances in Applied Mathematics and Mechanics*, **2017**, 9, 1312-1329	2.1	1
216	Retrieving the time-dependent thermal conductivity of an orthotropic rectangular conductor. *Applicable Analysis*, **2017**, 96, 2604-2618	0.8	2
215	Fitting the two-compartment model in DCE-MRI by linear inversion. *Magnetic Resonance in Medicine* , **2016**, 76, 998-1006	4.4	18
214	Simultaneous determination of time and space-dependent coefficients in a parabolic equation. *Communications in Nonlinear Science and Numerical Simulation*, **2016**, 33, 194-217	3.7	8
213	A new general filter regularization method for Cauchy problems for elliptic equations with a locally Lipschitz nonlinear source. *Journal of Mathematical Analysis and Applications*, **2016**, 434, 1376-1393	1.1	15
212	Determination of forcing functions in the wave equation. Part I: the space-dependent case. *Journal of Engineering Mathematics*, **2016**, 96, 115-133	1.2	12
211	Determination of forcing functions in the wave equation. Part II: the time-dependent case. *Journal of Engineering Mathematics*, **2016**, 96, 135-153	1.2	13

210	Simultaneous determination of time-dependent coefficients and heat source. *International Journal for Computational Methods in Engineering Science and Mechanics*, **2016**, 17, 401-411	0.7	10
209	An inverse problem of finding the time-dependent diffusion coefficient from an integral condition. *Mathematical Methods in the Applied Sciences*, **2016**, 39, 963-980	2.3	9
208	Regularized MFS solution of inverse boundary value problems in three-dimensional steady-state linear thermoelasticity. *International Journal of Solids and Structures*, **2016**, 91, 127-142	3.1	20
207	Identification of a time-dependent bio-heat blood perfusion coefficient. *International Communications in Heat and Mass Transfer*, **2016**, 75, 218-222	5.8	15
206	The method of fundamental solutions for three-dimensional inverse geometric elasticity problems. *Computers and Structures*, **2016**, 166, 51-59	4.5	23
205	Reconstruction of multiplicative space- and time-dependent sources. *Inverse Problems in Science and Engineering*, **2016**, 24, 1528-1549	1.3	
204	On the Cauchy problem for semilinear elliptic equations. *Journal of Inverse and Ill-Posed Problems*, **2016**, 24,	1.3	7
203	Multiple time-dependent coefficient identification thermal problems with a free boundary. *Applied Numerical Mathematics*, **2016**, 99, 24-50	2.5	16
202	Inverse space-dependent force problems for the wave equation. *Journal of Computational and Applied Mathematics*, **2016**, 306, 10-39	2.4	15
201	Identification of the time-dependent conductivity of an inhomogeneous diffusive material. *Applied Mathematics and Computation*, **2015**, 269, 35-58	2.7	2
200	Simultaneous numerical determination of a corroded boundary and its admittance. *Inverse Problems in Science and Engineering*, **2015**, 23, 1120-1137	1.3	2
199	Determination of the ambient temperature in transient heat conduction. *IMA Journal of Applied Mathematics*, **2015**, 80, 24-46	1	4
198	Identification of nonlinear heat transfer laws from boundary observations. *Applicable Analysis*, **2015** , 94, 1784-1799	0.8	7
197	Determination of the time-dependent perfusion coefficient in the bio-heat equation. *Applied Mathematics Letters*, **2015**, 39, 96-100	3.5	9
196	A numerical study of the SVD-MFS solution of inverse boundary value problems in two-dimensional steady-state linear thermoelasticity. *Numerical Methods for Partial Differential Equations*, **2015**, 31, 168-201	2.5	10
195	Topological Derivative for the Inverse Conductivity Problem: A Bayesian Approach. *Journal of Scientific Computing*, **2015**, 63, 256-278	2.3	6
194	An inverse time-dependent source problem for the heat equation with a non-classical boundary condition. *Applied Mathematical Modelling*, **2015**, 39, 6258-6272	4.5	12
193	The method of fundamental solutions for solving direct and inverse Signorini problems. *Computers and Structures*, **2015**, 151, 11-19	4.5	19

192	Determination of the Time-Dependent Thermal Conductivity in the Heat Equation with Spacewise Dependent Heat Capacity. *Lecture Notes in Computer Science*, **2015**, 217-224	0.9	1
191	A meshless method for an inverse two-phase one-dimensional nonlinear Stefan problem. *Mathematics and Computers in Simulation*, **2014**, 101, 61-77	3.3	9
190	The method of fundamental solutions for an inverse boundary value problem in static thermo-elasticity. *Computers and Structures*, **2014**, 135, 32-39	4.5	27
189	Determination of a time-dependent thermal diffusivity and free boundary in heat conduction. *International Communications in Heat and Mass Transfer*, **2014**, 53, 154-163	5.8	8
188	Determination of a source in the heat equation from integral observations. *Journal of Computational and Applied Mathematics*, **2014**, 264, 82-98	2.4	21
187	Regularized collocation Trefftz method for void detection in two-dimensional steady-state heat conduction problems. *Inverse Problems in Science and Engineering*, **2014**, 22, 395-418	1.3	10
186	The method of fundamental solutions for the two-dimensional inverse Stefan problem. *Inverse Problems in Science and Engineering*, **2014**, 22, 112-129	1.3	8
185	Determination of a time-dependent coefficient in the bioheat equation. *International Journal of Mechanical Sciences*, **2014**, 88, 259-266	5.5	16
184	A moving pseudo-boundary MFS for void detection in two-dimensional thermoelasticity. *International Journal of Mechanical Sciences*, **2014**, 88, 276-288	5.5	15
183	Moving boundary models for the growth of crystalline deposits from undetected leakages of industrial process liquors. *Computers and Chemical Engineering*, **2014**, 71, 331-346	4	6
182	Numerical reconstruction of an inhomogeneity in an elliptic equation. *Inverse Problems in Science and Engineering*, **2014**, 22, 184-198	1.3	2
181	Simultaneous determination of time-dependent coefficients in the heat equation. *Computers and Mathematics With Applications*, **2014**, 67, 1065-1091	2.7	19
180	A moving pseudo-boundary method of fundamental solutions for void detection. *Numerical Methods for Partial Differential Equations*, **2013**, 29, 935-960	2.5	22
179	An inverse time-dependent source problem for the heat equation. *Applied Numerical Mathematics*, **2013**, 69, 13-33	2.5	33
178	Determination of a time-dependent heat source from nonlocal boundary conditions. *Engineering Analysis With Boundary Elements*, **2013**, 37, 936-956	2.6	12
177	Determination of the heat transfer coefficients in transient heat conduction. *Inverse Problems*, **2013**, 29, 095020	2.3	18
176	A Numerical Solution for an Inverse Natural Magneto-Convection Problem. *Numerical Heat Transfer, Part B: Fundamentals*, **2013**, 63, 115-138	1.3	15
175	Identification of a spacewise dependent heat source. *Applied Mathematical Modelling*, **2013**, 37, 10231-10244	1.3	28

174	A meshless method for an inverse two-phase one-dimensional linear Stefan problem. *Inverse Problems in Science and Engineering*, **2013**, 21, 17-33	1.3	15
173	Determination of a time-dependent diffusivity from nonlocal conditions. *Journal of Applied Mathematics and Computing*, **2013**, 41, 301-320	1.8	23
172	A meshless method for solving a two-dimensional transient inverse geometric problem. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2013**, 23, 790-817	4.5	8
171	Reconstruction of an additive space- and time-dependent heat source. *European Journal of Computational Mechanics*, **2013**, 22, 304-329	0.5	6
170	Free Boundary Determination in Nonlinear Diffusion. *East Asian Journal on Applied Mathematics*, **2013**, 3, 295-310	4	7
169	A Moving Pseudo-Boundary MFS for Three-Dimensional Void Detection. *Advances in Applied Mathematics and Mechanics*, **2013**, 5, 510-527	2.1	9
168	A Meshless Regularization Method for a Two-Dimensional Two-Phase Linear Inverse Stefan Problem. *Advances in Applied Mathematics and Mechanics*, **2013**, 5, 825-845	2.1	9
167	A meshless numerical identification of a sound-hard obstacle. *Engineering Analysis With Boundary Elements*, **2012**, 36, 1074-1081	2.6	5
166	Determination of inner boundaries in modified Helmholtz inverse geometric problems using the method of fundamental solutions. *Mathematics and Computers in Simulation*, **2012**, 82, 1445-1458	3.3	12
165	Satisfier function in Ritz□alerkin method for the identification of a time-dependent diffusivity. *Journal of Inverse and Ill-Posed Problems*, **2012**, 20,	1.3	15
164	A boundary element method for a multi-dimensional inverse heat conduction problem. *International Journal of Computer Mathematics*, **2012**, 89, 1540-1554	1.2	23
163	A method of fundamental solutions for the radially symmetric inverse heat conduction problem. *International Communications in Heat and Mass Transfer*, **2012**, 39, 887-895	5.8	17
162	The method of fundamental solutions for the identification of a sound-soft obstacle in inverse acoustic scattering. *Applied Numerical Mathematics*, **2012**, 62, 1767-1780	2.5	20
161	The method of fundamental solutions for the detection of rigid inclusions and cavities in plane linear elastic bodies. *Computers and Structures*, **2012**, 106-107, 176-188	4.5	22
160	Inverse shape and surface heat transfer coefficient identification. *Journal of Computational and Applied Mathematics*, **2012**, 236, 1876-1891	2.4	13
159	Heuristic regularization methods for numerical differentiation. *Computers and Mathematics With Applications*, **2012**, 63, 816-826	2.7	12
158	Detection of a two-dimensional moving cavity. *International Journal of Computer Mathematics*, **2012** , 89, 1569-1582	1.2	1
157	A method of fundamental solutions for radially symmetric and axisymmetric backward heat conduction problems. *International Journal of Computer Mathematics*, **2012**, 89, 1555-1568	1.2	7

156	A survey of applications of the MFS to inverse problems. *Inverse Problems in Science and Engineering* , **2011**, 19, 309-336	1.3	162
155	Reconstruction of the Space- and Time-Dependent Blood Perfusion Coefficient in Bio-Heat Transfer. *Heat Transfer Engineering*, **2011**, 32, 800-810	1.7	19
154	Determination of a time-dependent heat source under nonlocal boundary and integral overdetermination conditions. *Applied Mathematics and Computation*, **2011**, 218, 4138-4146	2.7	46
153	The method of fundamental solutions for Helmholtz-type equations in composite materials. *Computers and Mathematics With Applications*, **2011**, 62, 4377-4390	2.7	14
152	A comparative study on applying the method of fundamental solutions to the backward heat conduction problem. *Mathematical and Computer Modelling*, **2011**, 54, 403-416		17
151	A method of fundamental solutions for the one-dimensional inverse Stefan problem. *Applied Mathematical Modelling*, **2011**, 35, 4367-4378	4.5	56
150	The MFS for numerical boundary identification in two-dimensional harmonic problems. *Engineering Analysis With Boundary Elements*, **2011**, 35, 342-354	2.6	17
149	Application of the MFS to inverse obstacle scattering problems. *Engineering Analysis With Boundary Elements*, **2011**, 35, 631-638	2.6	25
148	A method of fundamental solutions for two-dimensional heat conduction. *International Journal of Computer Mathematics*, **2011**, 88, 1697-1713	1.2	33
147	Numerical approximation of the one-dimensional inverse Cauchy–Stefan problem using a method of fundamental solutions. *Inverse Problems in Science and Engineering*, **2011**, 19, 659-677	1.3	23
146	The comparison model method for determining the flexural rigidity of a beam. *Journal of Inverse and Ill-Posed Problems*, **2010**, 18,	1.3	3
145	The method of fundamental solutions for the inverse conductivity problem. *Inverse Problems in Science and Engineering*, **2010**, 18, 567-583	1.3	25
144	Regularization of parabolic equations backward in time by a non-local boundary value problem method. *IMA Journal of Applied Mathematics*, **2010**, 75, 291-315	1	49
143	Determination of a time-dependent heat transfer coefficient in a nonlinear inverse heat conduction problem. *Inverse Problems in Science and Engineering*, **2010**, 18, 65-81	1.3	23
142	A Variational Method and Approximations of a Cauchy Problem for Elliptic Equations. *Journal of Algorithms and Computational Technology*, **2010**, 4, 89-119	0.7	16
141	Space-dependent perfusion coefficient identification in the transient bio-heat equation. *Journal of Engineering Mathematics*, **2010**, 67, 307-315	1.2	19
140	Inverse temperature-dependent perfusion coefficient reconstruction. *International Journal of Non-Linear Mechanics*, **2010**, 45, 542-549	2.8	11
139	The Pressure-StreamFunction MFS Formulation for the Detection of an Obstacle Immersed in a Two-Dimensional Stokes Flow. *Advances in Applied Mathematics and Mechanics*, **2010**, 2, 183-199	2.1	10

138	Detection of cavities using the method of fundamental solutions. *Inverse Problems in Science and Engineering*, **2009**, 17, 803-820	1.3	31
137	A non-local boundary value problem method for the Cauchy problem for elliptic equations. *Inverse Problems*, **2009**, 25, 055002	2.3	40
136	Identification of the time-dependent perfusion coefficient in the bio-heat conduction equation. *Journal of Inverse and Ill-Posed Problems*, **2009**, 17,	1.3	7
135	THE METHOD OF FUNDAMENTAL SOLUTIONS FOR AN INVERSE INTERNAL BOUNDARY VALUE PROBLEM FOR THE BIHARMONIC EQUATION. *International Journal of Computational Methods*, **2009**, 06, 557-567	1.1	15
134	Determination of the Robin coefficient in a nonlinear boundary condition for a steady-state problem. *Mathematical Methods in the Applied Sciences*, **2009**, 32, 1311-1324	2.3	4
133	Reconstruction of boundary condition laws in heat conduction using the boundary element method. *Computers and Mathematics With Applications*, **2009**, 57, 153-168	2.7	8
132	The method of fundamental solutions for free surface Stefan problems. *Engineering Analysis With Boundary Elements*, **2009**, 33, 529-538	2.6	30
131	A method of fundamental solutions for transient heat conduction in layered materials. *Engineering Analysis With Boundary Elements*, **2009**, 33, 1362-1367	2.6	32
130	Determination of a time-dependent heat transfer coefficient from non-standard boundary measurements. *Mathematics and Computers in Simulation*, **2009**, 79, 1577-1584	3.3	20
129	Inverse reconstruction of boundary condition coefficients in one-dimensional transient heat conduction. *Applied Mathematics and Computation*, **2009**, 207, 569-575	2.7	9
128	An inverse coefficient identification problem for the bio-heat equation. *Inverse Problems in Science and Engineering*, **2009**, 17, 65-83	1.3	16
127	The method of fundamental solutions for detection of cavities in EIT. *Journal of Integral Equations and Applications*, **2009**, 21,	1.2	28
126	A procedure for determining a spacewise dependent heat source and the initial temperature. *Applicable Analysis*, **2008**, 87, 265-276	0.8	63
125	Inverse time-dependent perfusion coefficient identification. *Journal of Physics: Conference Series*, **2008**, 124, 012050	0.3	16
124	Determination of the leading coefficient in fourth-order Sturm□iouville operator from boundary measurements. *Inverse Problems in Science and Engineering*, **2008**, 16, 413-424	1.3	6
123	Inverse space-dependent perfusion coefficient identification. *Journal of Physics: Conference Series*, **2008**, 135, 012098	0.3	6
122	Reconstruction of heat transfer coefficients using the boundary element method. *Computers and Mathematics With Applications*, **2008**, 56, 114-126	2.7	16
121	Restoring boundary conditions in heat conduction. *Journal of Engineering Mathematics*, **2008**, 62, 85-101	1.2	11

120	The method of fundamental solutions for a biharmonic inverse boundary determination problem. *Computational Mechanics*, **2008**, 42, 371-379	4	18
119	A method of fundamental solutions for transient heat conduction. *Engineering Analysis With Boundary Elements*, **2008**, 32, 697-703	2.6	52
118	Steady-state nonlinear heat conduction in composite materials using the method of fundamental solutions. *Computer Methods in Applied Mechanics and Engineering*, **2008**, 197, 3122-3137	5.7	36
117	An iterative method for the reconstruction of a stationary flow. *Numerical Methods for Partial Differential Equations*, **2007**, 23, 998-1017	2.5	10
116	Determination of a spacewise dependent heat source. *Journal of Computational and Applied Mathematics*, **2007**, 209, 66-80	2.4	118
115	Laplacian decomposition and the boundary element method for solving Stokes problems. *Engineering Analysis With Boundary Elements*, **2007**, 31, 501-513	2.6	7
114	The method of fundamental solutions for nonlinear functionally graded materials. *International Journal of Solids and Structures*, **2007**, 44, 6878-6890	3.1	63
113	The decomposition method for Cauchy reaction–diffusion problems. *Applied Mathematics Letters*, **2007**, 20, 412-418	3.5	16
112	A nonlinear reaction–diffusion process using the Adomian decomposition method. *International Communications in Heat and Mass Transfer*, **2007**, 34, 129-135	5.8	22
111	The inverse source problem for the variable coefficients convection-diffusion equation. *Inverse Problems in Science and Engineering*, **2007**, 15, 413-440	1.3	12
110	A mollified method for the solution of the Cauchy problem for the convection–diffusion equation. *Inverse Problems in Science and Engineering*, **2007**, 15, 293-302	1.3	3
109	A variational method for identifying a spacewise-dependent heat source. *IMA Journal of Applied Mathematics*, **2007**, 72, 748-760	1	93
108	Algorithmization and mechanization of the Cauchy problem associated with the plate equation. *International Journal of Computer Mathematics*, **2007**, 84, 51-56	1.2	
107	A reliable technique for solving third-order dispersion equations. *Kybernetes*, **2007**, 36, 697-708	2	1
106	Identification of the Hydraulic Properties of Heterogeneous Rocks from Laboratory Flow-Pump Experiments. *Journal of Porous Media*, **2007**, 10, 71-92	2.9	2
105	Blow-up solutions obtained using the decomposition method. *Chaos, Solitons and Fractals*, **2006**, 28, 776-787	3.3	24
104	Determination of the flexural rigidity of a beam from limited boundary measurements. *Journal of Applied Mathematics and Computing*, **2006**, 20, 17-34	1.8	7
103	The boundary element method for solving the Laplace equation in two-dimensions with oblique derivative boundary conditions. *Communications in Numerical Methods in Engineering*, **2006**, 23, 1071-1080		1

102	An inverse source problem for the convection-diffusion equation. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2006**, 16, 125-150	4.5	8
101	Parameter identification in Helmholtz-type equations with a variable coefficient using a regularized DRBEM. *Inverse Problems in Science and Engineering*, **2006**, 14, 837-858	1.3	5
100	A variational conjugate gradient method for determining the fluid velocity of a slow viscous flow. *Applicable Analysis*, **2006**, 85, 1327-1341	0.8	9
99	PARAMETER IDENTIFICATION IN TWO-DIMENSIONAL FINS USING THE BOUNDARY ELEMENT METHOD. *Numerical Heat Transfer; Part A: Applications*, **2006**, 50, 315-344	2.3	9
98	Reconstruction of a stationary flow from incomplete boundary data using iterative methods. *European Journal of Applied Mathematics*, **2006**, 17, 651	1	10
97	An alternating method for the stationary Stokes system. *ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik*, **2006**, 86, 268-280	1	24
96	The decomposition method for initial value problems. *Applied Mathematics and Computation*, **2006**, 181, 206-213	2.7	15
95	An efficient method for computing eigenelements of Sturm-Liouville fourth-order boundary value problems. *Applied Mathematics and Computation*, **2006**, 182, 1247-1254	2.7	20
94	Dual reciprocity boundary element method solution of the Cauchy problem for Helmholtz-type equations with variable coefficients. *Journal of Sound and Vibration*, **2006**, 297, 89-105	3.9	26
93	The boundary-element method for the determination of a heat source dependent on one variable. *Journal of Engineering Mathematics*, **2006**, 54, 375-388	1.2	174
92	The decomposition method for linear, one-dimensional, time-dependent partial differential equations. *International Journal of Mathematics and Mathematical Sciences*, **2006**, 2006, 1-29	0.8	7
91	The method of fundamental solutions for inverse boundary value problems associated with the two-dimensional biharmonic equation. *Mathematical and Computer Modelling*, **2005**, 42, 261-278		53
90	Two-dimensional thermal analysis of a polygonal fin with two tubes on a square pitch. *International Journal of Heat and Mass Transfer*, **2005**, 48, 3018-3033	4.9	6
89	The decomposition method for Cauchy advection-diffusion problems. *Computers and Mathematics With Applications*, **2005**, 49, 525-537	2.7	16
88	Decomposition methods for non-linear, non-characteristic Cauchy heat problems. *Communications in Nonlinear Science and Numerical Simulation*, **2005**, 10, 581-596	3.7	15
87	The method of fundamental solutions for the Cauchy problem associated with two-dimensional Helmholtz-type equations. *Computers and Structures*, **2005**, 83, 267-278	4.5	118
86	A three-dimensional boundary determination problem in potential corrosion damage. *Computational Mechanics*, **2005**, 36, 129-138	4	17
85	THE DETERMINATION OF THE UNKNOWN THERMAL PROPERTIES OF HOMOGENEOUS HEAT CONDUCTORS. *International Journal of Computational Methods*, **2004**, 01, 431-443	1.1	4

84	Heat conduction with mixed derivatives. *International Journal of Computer Mathematics*, **2004**, 81, 971-977	1.2	
83	Relaxation procedures for an iterative algorithm for solving the Cauchy problem for the Laplace equation. *Engineering Analysis With Boundary Elements*, **2004**, 28, 655-665	2.6	28
82	Free convection boundary-layer flow above a nearly horizontal surface in a porous medium with newtonian heating. *Heat and Mass Transfer*, **2004**, 40, 665	2.2	32
81	Parameter identification in isotropic linear elasticity using the boundary element method. *Engineering Analysis With Boundary Elements*, **2004**, 28, 221-233	2.6	10
80	The boundary element method for the numerical recovery of a circular inhomogeneity in an elliptic equation. *Engineering Analysis With Boundary Elements*, **2004**, 28, 413-419	2.6	7
79	A DECOMPOSITION METHOD FOR POWER-LAW FIN-TYPE PROBLEMS. *International Communications in Heat and Mass Transfer*, **2004**, 31, 673-682	5.8	32
78	Comparison of regularization methods for solving the Cauchy problem associated with the Helmholtz equation. *International Journal for Numerical Methods in Engineering*, **2004**, 60, 1933-1947	2.4	38
77	Treatment of singularities in Helmholtz-type equations using the boundary element method. *Journal of Sound and Vibration*, **2004**, 278, 39-62	3.9	23
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