Helcio Rangel Barreto Orlande

List of Publications by Year
in descending order

161 papers	2,211 citations	236612 25 h-index	344852 36 g-index
180 all docs	180 docs citations	180 times ranked	1268 citing authors

#	ARTICLE	IF	CITATIONS
1	Inverse and optimization problems in heat transfer. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2006, 28, 1-24.	0.8	118
2	COMPARISON OF DIFFERENT VERSIONS OF THE CONJUGATE GRADIENT METHOD OF FUNCTION ESTIMATION. Numerical Heat Transfer; Part A: Applications, 1999, 36, 229-249.	1.2	77
3	Inverse Problems in Heat Transfer: New Trends on Solution Methodologies and Applications. Journal of Heat Transfer, 2012, 134, .	1.2	72
4	An inverse problem of parameter estimation for heat and mass transfer in capillary porous media. International Journal of Heat and Mass Transfer, 2003, 46, 1587-1598.	2.5	60
5	Eigenfunction expansions for transient diffusion in heterogeneous media. International Journal of Heat and Mass Transfer, 2009, 52, 5029-5039.	2.5	59
6	Approximation of the likelihood function in the Bayesian technique for the solution of inverse problems. Inverse Problems in Science and Engineering, 2008, 16, 677-692.	1.2	42
7	Bayesian inference for estimating thermal properties of a historic building wall. Building and Environment, 2016, 106, 327-339.	3.0	40
8	Estimation of dimensionless parameters of Luikov's system for heat and mass transfer in capillary porous media. International Journal of Thermal Sciences, 2002, 41, 217-227.	2.6	38
9	Bayesian Estimation of Temperature-Dependent Thermophysical Properties and Transient Boundary Heat Flux. Heat Transfer Engineering, 2010, 31, 570-580.	1.2	38
10	A Bayesian inversion method for estimating the particle size distribution of latexes from multiangle dynamic light scattering measurements. Chemometrics and Intelligent Laboratory Systems, 2011, 107, 165-173.	1.8	38
11	Estimation of state variables in the hyperthermia therapy of cancer with heating imposed by radiofrequency electromagnetic waves. International Journal of Thermal Sciences, 2015, 98, 228-236.	2.6	38
12	Accelerated Bayesian Inference for the Estimation of Spatially Varying Heat Flux in a Heat Conduction Problem. Numerical Heat Transfer; Part A: Applications, 2014, 65, 1-25.	1.2	37
13	Inverse natural convection problem of simultaneous estimation of two boundary heat fluxes in irregular cavities. International Journal of Heat and Mass Transfer, 2004, 47, 1201-1215.	2.5	36
14	Simultaneous estimation of spatially dependent diffusion coefficient and source term in a nonlinear 1D diffusion problem. Mathematics and Computers in Simulation, 2004, 66, 409-424.	2.4	32
15	Reconstruction of thermal conductivity and heat capacity using a tomographic approach. International Journal of Heat and Mass Transfer, 2007, 50, 5150-5160.	2.5	32
16	Recovering the source term in a linear diffusion problem by the method of fundamental solutions. Inverse Problems in Science and Engineering, 2008, 16, 1005-1021.	1.2	32
17	Inverse analysis with integral transformed temperature fields: Identification of thermophysical properties in heterogeneous media. International Journal of Heat and Mass Transfer, 2011, 54, 1506-1519.	2.5	31
18	Computational fluid dynamic analysis of physical forces playing a role in brain organoid cultures in two different multiplex platforms. BMC Developmental Biology, 2019, 19, 3.	2.1	31

#	Article	IF	Citations
19	Inverse problem of estimating interface conductance between periodically contacting surfaces. Journal of Thermophysics and Heat Transfer, 1993, 7, 319-325.	0.9	30
20	A function estimation approach for determining temperature-dependent thermophysical properties. Inverse Problems in Science and Engineering, 1996, 3, 261-279.	0.5	30
21	Inverse analysis for estimating the timewise and spacewise variation of the wall heat flux in a parallel plate channel. International Journal of Numerical Methods for Heat and Fluid Flow, 1997, 7, 696-710.	1.6	30
22	Inverse analysis for estimating the electronâ€phonon coupling factor in thin metal films. Journal of Applied Physics, 1995, 78, 1843-1849.	1.1	28
23	A nonlinear inverse problem in simultaneously estimating the heat and mass production rates for a chemically reacting fluid. Chemical Engineering Science, 2003, 58, 3741-3752.	1.9	28
24	Estimation of the heat flux at the surface of ablating materials by using temperature and surface position measurements. Inverse Problems in Science and Engineering, 2004, 12, 563-577.	1.2	28
25	Multi-Objective Optimization of Micro Pin-Fin Arrays for Cooling of High Heat Flux Electronics with a Hot Spot. Heat Transfer Engineering, 2017, 38, 1235-1246.	1.2	27
26	Improved lumped-differential formulations and hybrid solution methods for drying in porous media. International Journal of Thermal Sciences, 2007, 46, 878-889.	2.6	26
27	Thermal conductivity of heavy, even-carbon number n-alkanes (C22ÂtoÂC32). Fluid Phase Equilibria, 2018, 477, 78-86.	1.4	26
28	Simultaneous estimation of spatially distributed thermal conductivity, heat capacity and surface heat transfer coefficient in thermal tomography. International Journal of Heat and Mass Transfer, 2012, 55, 7958-7968.	2.5	25
29	Experimental Identification of Thermophysical Properties in Heterogeneous Materials with Integral Transformation of Temperature Measurements from Infrared Thermography. Experimental Heat Transfer, 2013, 26, 1-25.	2.3	25
30	Inverse Heat Transfer Problems. Heat Transfer Engineering, 2011, 32, 715-717.	1.2	24
31	STATE ESTIMATION PROBLEMS IN HEAT TRANSFER. , 2012, 2, 239-258.		24
32	3D thermal tomography with experimental measurement data. International Journal of Heat and Mass Transfer, 2014, 78, 1126-1134.	2.5	24
33	Bayesian approach for thermal diffusivity mapping from infrared images with spatially random heat pulse heating. Journal of Physics: Conference Series, 2008, 135, 012042.	0.3	23
34	Estimation of the Boundary Heat Flux in Grinding via the Conjugate Gradient Method. Heat Transfer Engineering, 2000, 21, 71-82.	1.2	22
35	Theoreticalâ€“experimental analysis of heat transfer in nonhomogeneous solids via improved lumped formulation, integral transforms and infrared thermography. International Journal of Thermal Sciences, 2012, 62, 71-84.	2.6	22
36	Thermal analysis of anti-icing systems in aeronautical velocity sensors and structures. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 1489-1509.	0.8	22

#	Article	IF	Citations
37	INVERSE FORCED CONVECTION PROBLEM OF SIMULTANEOUS ESTIMATION OF TWO BOUNDARY HEAT FLUXES IN IRREGULARLY SHAPED CHANNELS. Numerical Heat Transfer; Part A: Applications, 2001, 39, 737-760.	1.2	21
38	Determination of the Reaction Function in a Reaction-Diffusion Parabolic Problem. Journal of Heat Transfer, 1994, 116, 1041-1044.	1.2	20
39	State estimation in bioheat transfer: a comparison of particle filter algorithms. International Journal of Numerical Methods for Heat and Fluid Flow, 2017, 27, 615-638.	1.6	20
40	Magnetohydrodynamic simulations using radial basis functions. International Journal of Heat and Mass Transfer, 2009, 52, 5932-5939.	2.5	19
41	Estimation of position-dependent transient heat source with the Kalman filter. Inverse Problems in Science and Engineering, 2012, 20, 1079-1099.	1.2	19
42	Particle Filter and Approximation Error Model for State Estimation in Hyperthermia. Journal of Heat Transfer, 2017, 139, .	1.2	18
43	Inverse Heat Transfer. , 0, , .		18
44	Effects of the Heating Process and Body Dimensions on the Estimation of the Thermal Conductivity Components of Orthotropic Solids. Inverse Problems in Science and Engineering, 2003, 11, 75-89.	0.5	17
45	Inverse analysis of forced convection in micro-channels with slip flow via integral transforms and Bayesian inference. International Journal of Thermal Sciences, 2010, 49, 879-888.	2.6	17
46	Space-variable thermophysical properties identification in nanocomposites via integral transforms, Bayesian inference and infrared thermography. Inverse Problems in Science and Engineering, 2012, 20, 609-637.	1.2	17
47	Combined parameter and state estimation in the radio frequency hyperthermia treatment of cancer. Numerical Heat Transfer; Part A: Applications, 2016, 70, 581-594.	1.2	17
48	Proper Generalized Decomposition model reduction in the Bayesian framework for solving inverse heat transfer problems. Inverse Problems in Science and Engineering, 2017, 25, 260-278.	1.2	17
49	On the reduction of computational costs in eigenfunction expansions of multidimensional diffusion problems. International Journal of Numerical Methods for Heat and Fluid Flow, 1997, 7, 675-695.	1.6	16
50	An Analysis of Heat Conduction Models for Nanofluids. Heat Transfer Engineering, 2010, 31, 1125-1136.	1.2	16
51	Integral Transforms and Bayesian Inference in the Identification of Variable Thermal Conductivity in Two-Phase Dispersed Systems. Numerical Heat Transfer, Part B: Fundamentals, 2010, 57, 173-202.	0.6	16
52	A Bayesian approach for the estimation of the thermal diffusivity of aerodynamically levitated solid metals at high temperatures. International Journal of Heat and Mass Transfer, 2019, 141, 265-281.	2.5	16
53	Identification of atmospheric boundary layer parameters by inverse problem. Atmospheric Environment, 2007, 41, 1417-1425.	1.9	15
54	Combining Integral Transforms and Bayesian Inference in the Simultaneous Identification of Variable Thermal Conductivity and Thermal Capacity in Heterogeneous Media. Journal of Heat Transfer, 2011, 133, .	1.2	15

#	Article	IF	Citations
55	Bayesian estimation of the hydraulic and solute transport properties of a small-scale unsaturated soil column. Journal of Hydrology and Hydromechanics, 2016, 64, 30-44.	0.7	15
56	IMPROVED APPROXIMATE FORMULATIONS FOR ANISOTROPIC HEAT CONDUCTION. International Communications in Heat and Mass Transfer, 1997, 24, 869-878.	2.9	14
57	Nodal predictive error model and Bayesian approach for thermal diffusivity and heat source mapping. Comptes Rendus - Mecanique, 2010, 338, 434-449.	2.1	14
58	Fabrication Methods of Phantoms Simulating Optical and Thermal Properties. Procedia Engineering, 2013, 59, 30-36.	1.2	14
59	Real-time identification of a high-magnitude boundary heat flux on a plate. Inverse Problems in Science and Engineering, 2016, 24, 1661-1679.	1.2	14
60	Thermography detection of contact failures in double layered materials using the reciprocity functional approach. Applied Thermal Engineering, 2016, 100, 1173-1178.	3.0	14
61	Inverse Approaches to Drying of Thin Bodies With Significant Shrinkage Effects. Journal of Heat Transfer, 2007, 129, 379-386.	1.2	13
62	Model selection and parameter estimation in tumor growth models using approximate Bayesian computation-ABC. Computational and Applied Mathematics, 2018, 37, 2795-2815.	1.3	13
63	Estimation of the temperature field in laser-induced hyperthermia experiments with a phantom. International Journal of Hyperthermia, 2018, 35, 279-290.	1.1	13
64	Nondestructive, real time technique for in-plane heat diffusivity measurements. International Journal of Heat and Mass Transfer, 2020, 154, 119659.	2.5	13
65	Coupled conductionâ€“radiation in semi-transparent materials at high temperatures. Journal of Physics and Chemistry of Solids, 2006, 67, 2230-2240.	1.9	12
66	Transient non-intrusive method for estimating spatial thermal contact conductance by means of the reciprocity functional approach and the method of fundamental solutions. Inverse Problems in Science and Engineering, 2015, 23, 688-717.	1.2	12
67	Inverse problem in the hyperthermia therapy of cancer with laser heating and plasmonic nanoparticles. Inverse Problems in Science and Engineering, 2017, 25, 608-631.	1.2	12
68	Bayesian estimate of pre-mixed and diffusive rate of heat release phases in marine diesel engines. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 1835-1844.	0.8	12
69	Inverse Problems in Aerodynamics, Heat Transfer, Elasticity and Materials Design. International Journal of Aeronautical and Space Sciences, 2012, 13, 405-420.	1.0	12
70	Estimation of thermophysical properties of moist materials under different drying conditions. Inverse Problems in Science and Engineering, 2005, 13, 341-353.	1.2	11
71	Estimation of a Location- and Time-Dependent High-Magnitude Heat Flux in a Heat Conduction Problem Using the Kalman Filter and the Approximation Error Model. Numerical Heat Transfer; Part A: Applications, 2015, 68, 1198-1219.	1.2	11
72	Inverse Photoacoustic Technique for Parameter and Temperature Estimation in Tissues. Heat Transfer Engineering, 2017, 38, 1573-1594.	1.2	11

#	Article	IF	Citations
73	Thermal tomography utilizing truncated Fourier series approximation of the heat diffusion equation. International Journal of Heat and Mass Transfer, 2017, 108, 860-867.	2.5	11
74	Thermal damage during ablation of biological tissues. Numerical Heat Transfer; Part A: Applications, 2018, 73, 685-701.	1.2	11
75	Thermal-Diffusivity Measurements of Conductive Composites Based on EVA Copolymer Filled With Expanded and Unexpanded Graphite. International Journal of Thermophysics, 2013, 34, 2297-2306.	1.0	10
76	A statistical inversion approach for local thermal diffusivity and heat flux simultaneous estimation. Quantitative InfraRed Thermography Journal, 2014, 11, 170-189.	2.1	10
77	Estimation of Tumor Size Evolution Using Particle Filters. Journal of Computational Biology, 2015, 22, 649-665.	0.8	10
78	An analytical method to estimate spatially-varying thermal contact conductances using the reciprocity functional and the integral transform methods: Theory and experimental validation. International Journal of Heat and Mass Transfer, 2016, 100, 599-607.	2.5	10
79	Detection of contact failures with the Markov chain Monte Carlo method by using integral transformed measurements. International Journal of Thermal Sciences, 2018, 132, 486-497.	2.6	10
80	Pipeline Heating Method Based on Optimal Control and State Estimation. Heat Transfer Engineering, 2013, 34, 511-519.	1.2	9
81	Bayesian approach to the inverse problem in a light scattering application. Journal of Applied Statistics, 2015, 42, 994-1016.	0.6	9
82	Estimation of parameters of the dual-phase-lag model for heat conduction in metal-oxide-semiconductor field-effect transistors. International Communications in Heat and Mass Transfer, 2018, 92, 107-111.	2.9	9
83	Real-time temperature estimation with enhanced spatial resolution during MR-guided hyperthermia therapy. Numerical Heat Transfer; Part A: Applications, 2020, 77, 782-806.	1.2	9
84	Application of Two Bayesian Filters to Estimate Unknown Heat Fluxes in a Natural Convection Problem. Journal of Heat Transfer, 2012, 134, .	1.2	8
85	Identification of Contact Failures in Multilayered Composites With the Markov Chain Monte Carlo Method. Journal of Heat Transfer, 2014, 136, .	1.2	8
86	Inverse determination of spatially varying material coefficients in solid objects. Journal of Inverse and Ill-Posed Problems, 2016, 24, 181-194.	0.5	8
87	Simultaneous estimation of temperature and emissivity of metals around their melting points by deterministic and Bayesian techniques. International Journal of Heat and Mass Transfer, 2022, 183, 122077.	2.5	8
88	Measurement of thermophysical properties of ceramics by the flash method. Brazilian Archives of Biology and Technology, 2006, 49, 31-40.	0.5	7
89	A Non-Intrusive Inverse Problem Technique for the Identification of Contact Failures in Double-Layered Composites. , 2014, , .		7
90	Experimental study and mathematical modelling of red mud leaching: application of Bayesian techniques. International Journal of Environmental Science and Technology, 2023, 20, 5533-5546.	1.8	7

#	Article	IF	Citations
91	Local-instantaneous filtering in the integral transform solution of nonlinear diffusion problems. Computational Mechanics, 1999, 23, 524-532.	2.2	6
92	Bayesian estimation of thermophysical parameters of thin metal films heated by fast laser pulses. International Communications in Heat and Mass Transfer, 2011, 38, 1172-1177.	2.9	6
93	Size distribution of nanoparticles by dynamic light scattering. Comparison of Bayesian and Tikhonov inversion methods. Inverse Problems in Science and Engineering, 2012, 20, 973-990.	1.2	6
94	Approximate Bayesian computation applied to the identification of thermal damage of biological tissues due to laser irradiation. International Journal of Thermal Sciences, 2020, 151, 106243.	2.6	6
95	Use of a single heated surface for the estimation of thermal conductivity components of orthotropic 3D solids. Inverse Problems in Science and Engineering, 2004, 12, 501-517.	1.2	5
96	Simultaneous estimation of spatially-dependent mass and heat transfer coefficients of drying bodies. Inverse Problems in Science and Engineering, 2004, 12, 549-561.	1.2	5
97	Simultaneous estimation of the spacewise and timewise variations of mass and heat transfer coefficients in drying. Inverse Problems in Science and Engineering, 2007, 15, 137-150.	1.2	5
98	Identification of Contact Failures in Multi-Layered Composites. , 2011, , .		5
99	Global estimation of thermal parameters from a picoseconds thermoreflectometry experiment. International Journal of Thermal Sciences, 2012, 57, 17-24.	2.6	5
100	Numerical simulation of nanoparticles assisted laser photothermal therapy: a comparison of the P1-approximation and discrete ordinate methods. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 621-630.	0.8	5
101	Temperature estimation of inflamed bowel by the photoacoustic inverse approach. International Journal for Numerical Methods in Biomedical Engineering, 2020, 36, e3300.	1.0	5
102	Synthesis, characterization and photothermal analysis of nanostructured hydrides of Pd and PdCeO2. Scientific Reports, 2020, 10, 17561.	1.6	5
103	Parameter estimation and model selection for water sorption in a wood fibre material. Wood Science and Technology, 2020, 54, 1423-1446.	1.4	5
104	Inverse convection problem of simultaneous estimation of two boundary heat fluxes in parallel plate channels. Revista Brasileira De Ciencias Mecanicas/Journal of the Brazilian Society of Mechanical Sciences, 2001, 23, 201-215.	0.1	5
105	A solution via generalised intergral transform technique for the simultaneous transport processes during combustion of wood cylinders. International Journal for Numerical Methods in Engineering, 2000, 49, 1455-1477.	1.5	4
106	Integral Transforms, Bayesian Inference, and Infrared Thermography in the Simultaneous Identification of Variable Thermal Conductivity and Diffusivity in Heterogeneous Media. , 2010, , .		4
107	Temperature Field Prediction of a Multilayered Composite Pipeline Based on the Particle Filter Method. , 2010, , .		4
108	Fast Bayesian inference for an inverse heat transfer problem using approximations. , 2012, , .		4

#	Article	IF	Citations
109	Combined Parameter and State Estimation Problem in a Complex Domain: RF Hyperthermia Treatment Using Nanoparticles. Journal of Physics: Conference Series, 2016, 745, 032014.	0.3	4
110	Monte Carlo parameter estimation and direct simulation of inÂvitro hyperthermia-chemotherapy experiment. Numerical Heat Transfer; Part A: Applications, 2021, 80, 185-209.	1.2	4
111	State Estimation Problem in the Hyperthermia Treatment of Tumors Loaded with Nanoparticles. , 2014, , .		4
112	Kalman filter temperature estimation with a photoacoustic observation model during the hyperthermia treatment of cancer. Computers and Mathematics With Applications, 2022, 119, 193-207.	1.4	4
113	Hybrid Approaches in Heat & Mass Transfer: A Brazilian Experience with Applications in National Strategic Projects. Heat Transfer Engineering, 2003, 24, 1-5.	1.2	3
114	Identification and design of source term in a two-region heat conduction problem. Inverse Problems in Science and Engineering, 2007, 15, 661-677.	1.2	3
115	Interaction Effects During Combustion of Linear Arrays of Gaseous Fuel Pockets. Numerical Heat Transfer; Part A: Applications, 2008, 54, 1085-1100.	1.2	3
116	Application of a Bayesian Filter to Estimate Unknown Heat Fluxes in a Natural Convection Problem. , 2011, , .		3
117	Estimation of the non-linear diffusion coefficient with Marcov Chain Monte Carlo method based on the integral information. International Journal of Numerical Methods for Heat and Fluid Flow, 2017, 27, 639-659.	1.6	3
118	Estimation of the kidney metabolic heat generation rate. International Journal for Numerical Methods in Biomedical Engineering, 2019, 35, e3224.	1.0	3
119	Application of the photoacoustic technique for temperature measurements during hyperthermia. Inverse Problems in Science and Engineering, 2019, 27, 1651-1671.	1.2	3
120	Computational model of silica nanoparticle penetration into tumor spheroids: Effects of methoxy and carboxy PEG surface functionalization and hyperthermia. International Journal for Numerical Methods in Biomedical Engineering, 2021, 37, e3504.	1.0	3
121	Thermal Effect by Applying Laser Heating in Iron Oxide Nanoparticles Dissolved in Distilled Water. IFMBE Proceedings, 2020, , 1239-1245.	0.2	3
122	Transient Thermal Constriction Resistance in a Finite Heat Flux Tube. Journal of Heat Transfer, 1995, 117, 748-751.	1.2	2
123	Identification of Heat Flux Imposed by an Oxyacetylene Torch. , 2004, , .		2
124	Multi-Objective Optimization of Micro Pin-Fin Arrays for Cooling of High Heat Flux Electronics With a Hot Spot. , 2015, , .		2
125	State estimation problems in PRF-shift magnetic resonance thermometry. International Journal of Numerical Methods for Heat and Fluid Flow, 2018, 28, 315-335.	1.6	2
126	Simultaneous Model Selection and Model Calibration for the Proliferation of Tumor and Normal Cells During In Vitro Chemotherapy Experiments. Journal of Computational Biology, 2018, 25, 1285-1300.	0.8	2

#	Article	IF	Citations
127	Coupled POD-Bayesian estimation of the parameters of mathematical model of the packed-bed drying of cherry stones. Energy, 2019, 181, 345-359.	4.5	2
128	A Comparison of Two Solution Techniques for the Inverse Problem of Simultaneously Estimating the Spatial Variations of Diffusion Coefficients and Source Terms. , 2003, , .		2
129	A comparison of concentration measurement techniques for the estimation of the apparent mass diffusion coefficient. Brazilian Journal of Chemical Engineering, 2001, 18, 253-265.	0.7	2
130	SIMULTANEOUS ESTIMATION OF THERMAL DIFFUSIVITY AND RELAXATION TIME WITH A HYPERBOLIC HEAT CONDUCTION MODEL. , 1994, , .		2
131	A GENERALIZED COORDINATES APPROACH FOR THE SOLUTION OF INVERSE HEAT CONDUCTION PROBLEMS. , 1998, , .		2
132	Sequential Estimation of the Radial Temperature Variation in Overhead Power Cables. Heat Transfer Engineering, 2022, 43, 1610-1623.	1.2	2
133	An inverse analysis of the brain cooling process in neonates using the particle filter method. International Journal of Numerical Methods for Heat and Fluid Flow, 2022, 32, 3908-3934.	1.6	2
134	Analysis of Different Kinds of Measurements on the Estimation of Time Dependent Mass and Heat Transfer Coefficients in Drying. , 2004, , 271.		1
135	Integral Transform Solutions for Diffusion in Heterogeneous Media. , 2008, , .		1
136	Inverse Problems in Heat Transfer: New Trends on Solution Methodologies and Applications. , 2010, , .		1
137	Selected Papers from the Thirteenth Brazilian Congress of Thermal Sciences and Engineeringâ€"ENCIT 2010. Heat Transfer Engineering, 2013, 34, 399-400.	1.2	1
138	Selected Papers From the 14th Brazilian Congress of Thermal Sciences and Engineeringâ€"ENCIT 2012. Heat Transfer Engineering, 2015, 36, 927-928.	1.2	1
139	State estimation problem for the detection of valve closure in gas pipelines. Inverse Problems in Science and Engineering, 0, , 1-21.	1.2	1
140	Direct and Inverse Problems Solutions in Micro-Scale Forced Convection. NATO Science for Peace and Security Series A: Chemistry and Biology, 2010, , 39-59.	0.5	1
141	USE OF PARTICLE FILTERS TO ESTIMATE RELATIVE AIR SPEED IN A PITOT TUBE. , 2014, , .		1
142	A Natural Convection Inverse Problem of Simultaneous Estimation of Two Boundary Heat Fluxes in Rectangular Cavities. , 2002, , .		1
143	A COMPARISON OF PARTICLE FILTER ALGORITHMS APPLIED TO THE TEMPERATURE FIELD ESTIMATION IN HYPERTHERMIA PHANTOMS. , 2016, , .		1
144	Selected Papers from the 9th Brazilian Congress of Thermal Sciences and Engineeringâ€"ENCIT 2002. Heat Transfer Engineering, 2004, 25, 1-1.	1.2	0

#	Article	IF	Citations
145	Selected Papers from the 10th Brazilian Congress of Thermal Sciences and Engineeringâ€ENCIT 2004. Heat Transfer Engineering, 2007, 28, 507-507.	1.2	0
146	Selected Papers from the Eleventh Brazilian Congress of Thermal Sciences and Engineeringâ€"ENCIT 2006. Heat Transfer Engineering, 2009, 30, 259-260.	1.2	0
147	Professor Emeritus M. Necati Ã–zisik 1923â€"2008. International Journal of Heat and Mass Transfer, 2009, 52, 2425-2426.	2.5	0
148	Thermal Tomography Using Experimental Measurement Data. , 2013, , .		0
149	NEAR INFRARED LIGHT HEATING OF SOFT TISSUE PHANTOMS CONTAINING NANOPARTICLES. Revista De Engenharia TÃ©rmica, 2014, 13, 13.	0.0	0
150	Professor Oleg M. Alifanov on his 75th birthday. International Journal of Heat and Mass Transfer, 2016, 97, 1010-1011.	2.5	0
151	Thermophysical Properties Measurement and Identification. , 2018, , 179-218.		0
152	A Bayesian approach for neutral particles source estimation. Inverse Problems in Science and Engineering, 2021, 29, 95-130.	1.2	0
153	Sequential estimation of creatinine removal by a haemodialyser. Inverse Problems in Science and Engineering, 0, , 1-21.	1.2	0
154	THEORETICAL-EXPERIMENTAL ANALYSIS OF HEAT TRANSFER IN NANOCOMPOSITES VIA INTEGRAL TRANSFORMS AND INFRARED THERMOGRAPHY. , 2011, , .		0
155	Thermophysical Properties Measurement and Identification. , 2017, , 1-40.		0
156	INTERNAL TEMPERATURE FIELD ESTIMATION IN WATER-FILTERED INFRA-RED-A (wIRA) HYPERTHERMIA OF BREAST CANCER FROM SKIN SURFACE TEMPERATURE MEASUREMENTS. , 2018, , .		0
157	MAGNETIC RESONANCE THERMOMETRY DURING THE LOCALIZED HEATING OF BIOLOGICAL TISSUES. , 2018, , .		0
158	EXPERIMENTAL ESTIMATION OF A HEAT FLUX IMPOSED BY A LASER DIODE WITH THE STEADY STATE KALMAN FILTER. , 2018, , .		0
159	Thermal Characterization of Ex Vivo Tissue. Critical Reviews in Biomedical Engineering, 2020, 48, 111-124.	0.5	0
160	Inverse Engineering. , 0, , 269-288.		0
161	Thermal Ablation Effects on Rotors that Characterize Functional Reâ€entry Cardiac Arrhythmia. International Journal for Numerical Methods in Biomedical Engineering, 2022, , e3614.	1.0	0