List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The application of an innovative integrated Swiss-roll-combustor/Stirling-hot-end component on an unpressurized Stirling engine. Energy Conversion and Management, 2021, 249, 114831.	9.2	10
2	A parametric study on the effects of displacer-cylinder-circumferential-wall thermal conditions on the performance of a Î ³ -type LTD Stirling engine. International Journal of Ambient Energy, 2020, 41, 19-30.	2.5	0
3	Biosyngas-fueled platinum reactor applied in micro combined heat and power system with a thermophotovoltaic array and stirling engine. Energy, 2020, 194, 116862.	8.8	19
4	Development of a compact simple unpressurized Wattâ€level lowâ€ŧemperatureâ€differential Stirling engine. International Journal of Energy Research, 2020, 44, 12029-12044.	4.5	2
5	Inverse Estimation of Cooling Heat Flux in Spray Cooling of Hot Surface Based on Dual-Phase-Lag Model. International Journal of Computational Methods, 2020, 17, 1950069.	1.3	0
6	Inverse estimation of heat input in laser surface hardening with a dual-phase-lag model. Journal of Laser Applications, 2020, 32, .	1.7	1
7	A CFD study on the performance of a passive ocean plastic collector under rough sea conditions. Ocean Engineering, 2019, 188, 106243.	4.3	4
8	A numerical study on applying slot-grooved displacer cylinder to a Î ³ -type medium-temperature-differential stirling engine. Energy, 2018, 144, 679-693.	8.8	8
9	Estimation for inner surface geometry of a two-layer-wall furnace with inner wall made of functionally graded materials. International Communications in Heat and Mass Transfer, 2018, 97, 143-150.	5.6	7
10	Function estimation of laser-induced heat generation in a gas-saturated powder layer heated by a short-pulsed laser. International Communications in Heat and Mass Transfer, 2017, 81, 56-63.	5.6	6
11	Inverse estimation of the unknown base heat flux in irregular fins made of functionally graded materials. International Communications in Heat and Mass Transfer, 2017, 87, 157-163.	5.6	19
12	An inverse problem in estimating the laser irradiance and thermal damage in laser-irradiated biological tissue with a dual-phase-lag model. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, 446-456.	1.6	11
13	A study on the effects of geometric parameters in a low-temperature-differential γ-type Stirling engine using CFD. International Journal of Heat and Mass Transfer, 2017, 107, 1002-1013.	4.8	16
14	Numerical analysis of dual-phase-lag heat transfer for a moving finite medium subjected to laser heat source. Applied Mathematical Modelling, 2016, 40, 4700-4711.	4.2	9
15	Numerical study of dual-phase-lag heat conduction in a thermal barrier coating with a hybrid method. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 287-296.	1.6	3
16	A numerical study on the effects of moving regenerator to the performance of a β -type Stirling engine. International Journal of Heat and Mass Transfer, 2015, 83, 499-508.	4.8	32
17	A CFD parametric study on the performance of a low-temperature-differential γ -type Stirling engine. Energy Conversion and Management, 2015, 106, 635-643.	9.2	32
18	Estimation of surface heat flux and temperature distributions in a multilayer tissue based on the hyperbolic model of heat conduction. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 1525-1534.	1.6	20

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19	Estimation of energy absorption rate and temperature distributions in short-pulse laser heating of metals with a dual-phase-lag model. Applied Thermal Engineering, 2014, 65, 352-360.	6.0	7
20	An inverse hyperbolic heat conduction problem in estimating base heat flux of two-dimensional cylindrical pin fins. International Communications in Heat and Mass Transfer, 2014, 52, 90-96.	5.6	24
21	An experimental study on the performance of the moving regenerator for a Î ³ -type twin power piston Stirling engine. Energy Conversion and Management, 2014, 77, 118-128.	9.2	48
22	Simultaneous Estimation of Boundary Heat Flux and Convective Heat Transfer Coefficient of a Curved Plate Subjected to a Slot Liquid Jet Impingement Cooling. Numerical Heat Transfer; Part A: Applications, 2014, 66, 252-270.	2.1	8
23	A computational fluid dynamics study on the heat transfer characteristics of the working cycle of a β -type Stirling engine. Energy Conversion and Management, 2014, 88, 177-188.	9.2	40
24	A computational fluid dynamics study on the heat transfer characteristics of the working cycle of a low-temperature-differential γ-type Stirling engine. International Journal of Heat and Mass Transfer, 2014, 75, 145-155.	4.8	44
25	An inverse hyperbolic heat conduction problem in estimating surface heat flux of a living skin tissue. Applied Mathematical Modelling, 2013, 37, 2630-2643.	4.2	56
26	Inverse hyperbolic thermoelastic analysis of a functionally graded hollow circular cylinder in estimating surface heat flux and thermal stresses. International Journal of Heat and Mass Transfer, 2013, 60, 125-133.	4.8	26
27	An inverse problem in estimating the space-dependent thermal conductivity of a functionally graded hollow cylinder. Composites Part B: Engineering, 2013, 50, 112-119.	12.0	25
28	Analysis of dual-phase-lag heat conduction in short-pulse laser heating of metals with a hybrid method. Applied Thermal Engineering, 2013, 52, 275-283.	6.0	26
29	A numerical analysis on the performance of a pressurized twin power piston gamma-type Stirling engine. Energy Conversion and Management, 2012, 62, 84-92.	9.2	28
30	Non-Fourier Thermoelastic Analysis of an Annular Fin with Variable Convection Heat Transfer Coefficient. International Journal of Thermophysics, 2012, 33, 1068-1081.	2.1	4
31	Estimation of heat flux on the surface of an initially hot cylinder cooled by a laminar confined impinging jet. International Journal of Heat and Mass Transfer, 2012, 55, 597-606.	4.8	7
32	Inverse heat transfer analysis of a functionally graded fin to estimate time-dependent base heat flux and temperature distributions. Energy Conversion and Management, 2012, 57, 1-7.	9.2	40
33	A Nonlinear Inverse Problem in Estimating the Heat Generation in Rotary Friction Welding. Numerical Heat Transfer; Part A: Applications, 2011, 59, 130-149.	2.1	34
34	A nonlinear inverse problem in estimating the heat flux of the disc in a disc brake system. Applied Thermal Engineering, 2011, 31, 2439-2448.	6.0	81
35	Inverse estimation for unknown fouling geometry on inner wall of forced-convection pipe. Applied Mathematics and Mechanics (English Edition), 2011, 32, 55-68.	3.6	4
36	Inverse prediction of frictional heat flux and temperature in sliding contact with a protective strip by iterative regularization method. Applied Mathematical Modelling, 2011, 35, 2874-2886.	4.2	12

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37	The inaccuracy of heat transfer characteristics for non-insulated and insulated spherical containers neglecting the influence of heat radiation. Energy Conversion and Management, 2011, 52, 1612-1621.	9.2	8
38	Estimation of thermal contact resistance and temperature distributions in the pad/disc tribosystem. International Communications in Heat and Mass Transfer, 2011, 38, 298-303.	5.6	20
39	Calculation of jet's inlet temperature for plate temperature control in an impinging jet cooling problem. International Journal of Heat and Mass Transfer, 2010, 53, 5008-5016.	4.8	8
40	Simultaneous estimation of heat-transfer rate and coolant fluid velocity in a transpiration cooling process. International Journal of Thermal Sciences, 2010, 49, 1407-1416.	4.9	6
41	The critical heat transfer characteristics of an insulated oval duct. Energy Conversion and Management, 2010, 51, 1442-1448.	9.2	3
42	Inverse problem of estimating the heat flux at the roller/workpiece interface during a rolling process. Applied Thermal Engineering, 2010, 30, 1247-1254.	6.0	38
43	Inverse estimation for unknown fouling-layer profiles with arbitrary geometries on the inner wall of a forced-convection duct. International Journal of Thermal Sciences, 2010, 49, 86-98.	4.9	9
44	Inverse estimation for the unknown frost geometry on the external wall of a forced-convection pipe. Energy Conversion and Management, 2009, 50, 1457-1464.	9.2	8
45	An iterative regularization method in estimating the transient heat-transfer rate on the surface of the insulation layer of a double circular pipe. Energy Conversion and Management, 2009, 50, 3096-3103.	9.2	4
46	An iterative regularization method in simultaneously estimating the inlet temperature and heat-transfer rate in a forced-convection pipe. International Journal of Heat and Mass Transfer, 2009, 52, 1928-1937.	4.8	18
47	Estimation of heat generation at the interface of cylindrical bars during friction process. Applied Thermal Engineering, 2009, 29, 351-357.	6.0	27
48	Three-Dimensional Pipe Fouling Layer Estimation by Using Conjugate Gradient Inverse Method. Numerical Heat Transfer; Part A: Applications, 2009, 55, 845-865.	2.1	15
49	On the inverse heat convection problem of the flow over a cascade of rectangular blades. International Journal of Heat and Mass Transfer, 2008, 51, 4184-4194.	4.8	20
50	Incorrectness of conventional one-dimensional parallel thermal resistance circuit model for two-dimensional circular composite pipes. Energy Conversion and Management, 2008, 49, 1237-1247.	9.2	1
51	Numerical study on heat transfer characteristics of double tube heat exchangers with alternating horizontal or vertical oval cross section pipes as inner tubes. Energy Conversion and Management, 2008, 49, 1574-1583.	9.2	38
52	Reliable one-dimensional approximate solution of insulated oval duct. Energy Conversion and Management, 2008, 49, 2214-2224.	9.2	2
53	Inverse problem of estimating transient heat transfer rate on external wall of forced convection pipe. Energy Conversion and Management, 2008, 49, 2117-2123.	9.2	18
54	The inaccuracy of conventional one-dimensional parallel thermal resistance circuit model for two-dimensional composite walls. Energy Conversion and Management, 2008, 49, 2554-2562.	9.2	3

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55	Estimation of the Transient Heat Transfer Rate at the Boundary of an Electronic Chip Packaging. Numerical Heat Transfer; Part A: Applications, 2008, 54, 945-961.	2.1	14
56	An inverse problem of estimating the heat source in tapered optical fibers for scanning near-field optical microscopy. Ultramicroscopy, 2007, 107, 656-662.	1.9	18
57	Estimating the absorptivity in laser processing by inverse methodology. Applied Mathematics and Computation, 2007, 190, 712-721.	2.2	13
58	Reliable one-dimensional CPWTR models for two-dimensional insulated polygonal ducts. International Journal of Refrigeration, 2007, 30, 254-266.	3.4	4
59	A numerical study on the heat-transfer characteristics of an array of alternating horizontal or vertical oval cross-section pipes placed in a cross stream. International Journal of Refrigeration, 2007, 30, 454-463.	3.4	9
60	A reliable analytical method applied to heat transfer problems associated with insulated cylindrical tanks. Energy Conversion and Management, 2007, 48, 679-687.	9.2	6
61	Inverse problem in determining convection heat transfer coefficient of an annular fin. Energy Conversion and Management, 2007, 48, 1081-1088.	9.2	77
62	An inverse problem in determining the heat transfer rate around two in line cylinders placed in a cross stream. Energy Conversion and Management, 2007, 48, 1996-2005.	9.2	10
63	Reliable one dimensional 46-CPWTR model applied to two dimensional heat transfer problem of insulated triangular duct. Energy Conversion and Management, 2007, 48, 3135-3145.	9.2	3
64	A reliable one-dimensional method applied to heat-transfer problems associated with insulated rectangular tanks in refrigeration systems. International Journal of Refrigeration, 2006, 29, 485-494.	3.4	7
65	A parametric study on the laminar flow in an alternating horizontal or vertical oval cross-section pipe with computational fluid dynamics. International Journal of Heat and Mass Transfer, 2006, 49, 287-296.	4.8	20
66	Complete heat transfer solutions of an insulated regular polyhedron by using an RPSWT model. Energy Conversion and Management, 2005, 46, 2232-2257.	9.2	10
67	A numerical study on the flow over a novel tube for heat-transfer enhancement with a linear Eddy-viscosity model. International Journal of Heat and Mass Transfer, 2004, 47, 3431-3439. 	4.8	27
68	Non-linear eddy-viscosity modelling of separated flows. Journal of Hydraulic Research/De Recherches Hydrauliques, 1997, 35, 723-748.	1.7	32