Hamou Sadat

List of Publications by Year
in descending order

56 papers	881 citations	516710 16 h-index	501196 28 g-index
63 all docs	63 docs citations	63 times ranked	498 citing authors

#	Article	IF	Citations
1	A simple analytical thermal model of solar cavity receivers. Thermal Science and Engineering Progress, 2022, 29, 101223.	2.7	1
2	Radiative transfer in a semi-transparent medium enclosed in a spherical annulus with specularly reflecting surfaces. International Journal of Thermal Sciences, 2019, 138, 47-60.	4.9	3
3	Comment on â€œInvariant for one-dimensional heat conduction in dielectrics and metalsâ€•by Sajadi Seyed Mohammad et al.. Europhysics Letters, 2018, 123, 54001.	2.0	0
4	Simulations of coupled radiative and convective heat transfer in 2D and 3D semitransparent medium by the moving least square method. Numerical Heat Transfer, Part B: Fundamentals, 2017, 72, 33-54.	0.9	2
5	Meshless method for solving coupled radiative and conductive heat transfer in refractive index medium. Journal of Physics: Conference Series, 2016, 676, 012024.	0.4	1
6	On the Boundary Intensities in a Plane Parallel Slab With Linearly Varying Refractive Index. Journal of Heat Transfer, 2016, 138, .	2.1	0
7	An alternative spaceâ€"time meshless method for solving transient heat transfer problems with high discontinuous moving sources. Numerical Heat Transfer, Part B: Fundamentals, 2016, 69, 377-388.	0.9	12
8	Thermal rectification in a bilayer wall: Coupled radiation and conduction heat transfer. Applied Thermal Engineering, 2016, 107, 1248-1252.	6.0	9
9	A moving least squares meshless method for solving the generalized Kuramoto-Sivashinsky equation. AEJ - Alexandria Engineering Journal, 2016, 55, 2783-2787.	6.4	7
10	On the thermal rectification factor in steady heat conduction. Mechanics Research Communications, 2016, 76, 48-50.	1.8	9
11	On the radiative heat transfer in a semi-transparent medium enclosed in a cylindrical annulus of infinite length with specularly reflecting lateral surfaces. Applied Mathematical Modelling, 2016, 40, 150-168.	4.2	4
12	Radiative heat transfer in a parallelogram shaped cavity. International Communications in Heat and Mass Transfer, 2015, 68, 137-149.	5.6	4
13	Radiative transfer in a semi-transparent medium enclosed in aÂspherical annulus. International Journal of Thermal Sciences, 2015, 97, 94-113.	4.9	7
14	First-Order and Second-Order Meshless Formulations of the Radiative Transfer Equation: A Comparative Study. Numerical Heat Transfer, Part B: Fundamentals, 2014, 66, 21-42.	0.9	7
15	Meshless Method for Solving Transient Radiative and Conductive Heat Transfer in Two-Dimensional Complex Geometries. Numerical Heat Transfer, Part B: Fundamentals, 2014, 65, 518-536.	0.9	12
16	Meshless method for solving multidimensional radiative transfer in graded index medium. Applied Mathematical Modelling, 2012, 36, 5309-5319.	4.2	23
17	A new meshless approach for three dimensional fluid flow and related heat transfer problems. Computers and Fluids, 2012, 69, 136-146.	2.5	23
18	Meshless method for solving coupled radiative and conductive heat transfer in complex multi-dimensional geometries. Applied Mathematics and Computation, 2012, 218, 10211-10225.	2.2	25

#	Article	IF	Citations
19	Temperature runaway in a pulsed dielectric barrier discharge reactor. Applied Thermal Engineering, 2012, 37, 324-328.	6.0	7
20	Radiative transfer in a semi-transparent medium enclosed in a cylindrical annulus. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 96-116.	2.3	6
21	A low-order meshless model for multidimensional heat conduction problems. Applied Mathematical Modelling, 2011, 35, 4926-4933.	4.2	3
22	Improved low-order models for heat conduction problems. International Journal of Heat and Mass Transfer, 2011, 54, 3789-3795.	4.8	3
23	Radiative heat transfer in a semi-transparent medium enclosed in a two-dimensional square cavity. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 847-863.	2.3	7
24	Thermomagnetic Convection Around a Hot Circular Cylinder in a Square Cold Enclosure. Journal of Thermophysics and Heat Transfer, 2011, 25, 291-297.	1.6	2
25	Meshless method for solving radiative transfer problems in complex two-dimensional and three-dimensional geometries. International Journal of Thermal Sciences, 2010, 49, 2282-2288.	4.9	39
26	A simple model for transient temperature rise and fall in a dielectric barrier discharge reactor after ignition and shut down. Journal of Electrostatics, 2010, 68, 27-30.	1.9	8
27	Equivalence between the Adomian decomposition method and a perturbation method. Physica Scripta, 2010, 82, 045004.	2.5	3
28	Second-Order Model for Transient Heat Conduction in a Sphere. Journal of Thermophysics and Heat Transfer, 2009, 23, 852-854.	1.6	4
29	Restitution of the Temperature Field Inside a Cylinder of Semitransparent Dense Medium From Directional Intensity Data. Journal of Heat Transfer, 2009, 131, .	2.1	1
30	A Simple Model for Transient Heat Conduction in an Infinite Cylinder With Convective Boundary Conditions. Journal of Heat Transfer, 2009, 131, .	2.1	6
31	Conduction heat transfer in a cylindrical dielectric barrier discharge reactor. Applied Thermal Engineering, 2009, 29, 1259-1263.	6.0	13
32	Oblique axisymmetric stagnation flows in magnetohydrodynamics. Physics of Fluids, 2007, 19, 114106.	4.0	6
33	Evaluation of high order versions of the diffuse approximate meshless method. Applied Mathematics and Computation, 2007, 186, 1040-1053.	2.2	28
34	On the Fermat's principle in a semi-transparent sphere of uniaxial cristal. EPJ Applied Physics, 2007, 37, 181-190.	0.7	0
35	On the Solution Of Heterogeneous Heat Conduction Problems by a Diffuse Approximation Meshless Method. Numerical Heat Transfer, Part B: Fundamentals, 2006, 50, 491-498.	0.9	36
36	A second order model for transient heat conduction in a slab with convective boundary conditions. Applied Thermal Engineering, 2006, 26, 962-965.	6.0	16

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37	On the use of a meshless method for solving radiative transfer with the discrete ordinates formulations. Journal of Quantitative Spectroscopy and Radiative Transfer, 2006, 101, 263-268.	2.3	24
38	Linear stability of a nonorthogonal axisymmetric stagnation flow on a rotating cylinder. Physics of Fluids, 2006, 18, 124101.	4.0	2
39	A general lumped model for transient heat conduction in one-dimensional geometries. Applied Thermal Engineering, 2005, 25, 567-576.	6.0	32
40	The onset of thermal instability of a two-dimensional hydromagnetic stagnation point flow. International Journal of Heat and Mass Transfer, 2005, 48, 4435-4445.	4.8	16
41	A MESHLESS FORMULATION FOR THREE-DIMENSIONAL LAMINAR NATURAL CONVECTION. Numerical Heat Transfer, Part B: Fundamentals, 2002, 41, 433-445.	0.9	41
42	On the Numerical Solution of Unsteady Fluid Flow Problems by a Meshless Method. Revue Europeenne Des Elements, 2002, 11, 989-1004.	0.1	1
43	Calcul de l'écoulement autour d'un cylindre semi-circulaire par une méthode de collocation. Comptes Rendus - Mecanique, 2002, 330, 193-198.	2.1	18
44	PERFORMANCE AND ACCURACY OF A MESHLESS METHOD FOR LAMINAR NATURAL CONVECTION. Numerical Heat Transfer, Part B: Fundamentals, 2000, 37, 455-467.	0.9	53
45	Mise en œuvre d'une méthode de volumes de contrôle à maillages non structurés pour le calcul de modes propres acoustiques. Revue Europeenne Des Elements, 1999, 8, 251-271.	0.1	1
46	Melting driven by natural convection A comparison exercise: first results. International Journal of Thermal Sciences, 1999, 38, 5-26.	4.9	204
47	Résolution des équations de Navier-Stokes dans la formulation en variables primitives par approximation diffuse. Comptes Rendus De L'Académie Des Sciences - Series IIB - Mechanics-Physics-Chemistry-Astronomy, 1998, 326, 117-119.	0.1	1
48	DIFFUSE APPROXIMATION AND CONTROL-VOLUME-BASED FINITE-ELEMENT METHODS: A COMPARATIVE STUDY. Numerical Heat Transfer, Part B: Fundamentals, 1998, 34, 303-321.	0.9	19
49	A meshless method for the solution of incompressible flow equations. Revue Europeenne Des Elements, 1998, 7, 825-840.	0.1	0
50	RESOLUTION OF INVERSE HEAT CONDUCTION PROBLEM WITH REDUCED MODELS. , 1998, , .		1
51	Calcul des flux aux parois présentant des singularités. International Journal of Heat and Mass Transfer, 1997, 40, 4255-4262.	4.8	2
52	Collocated diffuse approximation method for two dimensional incompressible channel flows. Mechanics Research Communications, 1996, 23, 61-66.	1.8	9
53	Application of the diffuse approximation for solving fluid flow and heat transfer problems. International Journal of Heat and Mass Transfer, 1996, 39, 214-218.	4.8	41
54	Diffuse approximation method for solving natural convection in porous media. Transport in Porous Media, 1996, 22, 215-223.	2.6	44

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55	FURTHER RESULTS FOR LAMINAR NATURAL CONVECTION IN A TWO-DIMENSIONAL TRAPEZOIDAL ENCLOSURE. Numerical Heat Transfer; Part A: Applications, 1995, 27, 451-459.	2.1	18
56	Second-Order Approximation to Unsteady One-Dimensional Heterogeneous Heat Conduction. Journal of Thermophysics and Heat Transfer, 0, , 1-5.	1.6	0