Zekeriya Altaç

List of Publications by Year
in descending order

27 papers	616 citations	687363 13 h-index	580821 25 g-index
28 all docs	28 docs citations	28 times ranked	405 citing authors

#	Article	IF	Citations
1	Numerical investigation of flow and combined natural-forced convection from an isothermal square cylinder in cross flow. International Journal of Heat and Fluid Flow, 2019, 75, 103-121.	2.4	22
2	Mixed convection heat transfer from a triangular cylinder subjected to upward cross flow. International Journal of Thermal Sciences, 2019, 137, 75-85.	4.9	13
3	Numerical Investigation of Flow and Heat Transfer Characteristics of Two Tandem Circular Cylinders of Different Diameters. Heat Transfer Engineering, 2017, 38, 1367-1381.	1.9	14
4	Application of alternative synthetic kernel approximation to radiative transfer in regular and irregular two-dimensional media. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 187, 293-309.	2.3	3
5	Assessment of turbulence models in natural convection from two- and three-dimensional rectangular enclosures. International Journal of Thermal Sciences, 2016, 107, 237-246.	4.9	45
6	On radiative transfer using synthetic kernel and simplified spherical harmonics methods in linearly anisotropically scattering media. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 147, 8-23.	2.3	3
7	Hydrodynamically and thermally developing laminar flow in spiral coil tubes. International Journal of Thermal Sciences, 2014, 77, 96-107.	4.9	28
8	Radiative transfer in absorbing, emitting and isotropically scattering segregated two-layered, 3D rectangular enclosures. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 133, 570-578.	2.3	3
9	Nodal synthetic kernel (N-SKN) method for solving neutron transport equation in one- and two-dimensional X–Y geometries. Annals of Nuclear Energy, 2014, 64, 320-332.	1.8	9
10	Nodal synthetic kernel (N-SKN) method for solving radiative heat transfer problems in one- and two-dimensional participating medium with isotropic scattering. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 129, 214-235.	2.3	8
11	Laminar natural convection heat transfer and air flow in three-dimensional rectangular enclosures with pin arrays attached to hot wall. Applied Thermal Engineering, 2011, 31, 3189-3195.	6.0	42
12	Exact Solution of Radiative Transfer Equation for Three-Dimensional Rectangular, Linearly Scattering Medium. Journal of Thermophysics and Heat Transfer, 2011, 25, 228-238.	1.6	9
13	Numerical investigation of convective heat transfer in unsteady flow past two cylinders in tandem arrangements. International Journal of Heat and Fluid Flow, 2008, 29, 1309-1318.	2.4	181
14	Benchmark solutions of radiative transfer equation for three-dimensional rectangular homogeneous media. Journal of Quantitative Spectroscopy and Radiative Transfer, 2008, 109, 587-607.	2.3	24
15	Application of Synthetic Kernel (SKN) method to participating linearly anisotropically scattering solid spherical medium. Journal of Quantitative Spectroscopy and Radiative Transfer, 2008, 109, 210-219.	2.3	8
16	Exact series expansions, recurrence relations, properties and integrals of the generalized exponential integral functions. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 104, 310-325.	2.3	6
17	Natural convection in tilted rectangular enclosures with a vertically situated hot plate inside. Applied Thermal Engineering, 2007, 27, 1832-1840.	6.0	44
18	Entropy generation in a square enclosure with partial heating from a vertical lateral wall. Heat and Mass Transfer, 2004, 40, 909-918.	2.1	57

#	Article	IF	Citations
19	Radiative transfer in one-dimensional hollow sphere with anisotropic scattering and variable medium properties. Journal of Quantitative Spectroscopy and Radiative Transfer, 2004, 83, 115-117.	2.3	1
20	Solution of the radiative integral transfer equations in rectangular participating and isotropically scattering inhomogeneous medium. International Journal of Heat and Mass Transfer, 2004, 47, 101-109.	4.8	20
21	THE SKN APPROXIMATION FOR SOLVING RADIATIVE TRANSFER PROBLEMS IN RECTANGULAR PARTICIPATING AND ISOTROPICALLY SCATTERING INHOMOGENEOUS MEDIUM. , 2004, , .		4
22	Radiative transfer in absorbing, emitting and linearly anisotropic-scattering inhomogeneous cylindrical medium. Journal of Quantitative Spectroscopy and Radiative Transfer, 2003, 77, 177-192.	2.3	26
23	The SKN approximation for solving radiation transport problems in absorbing, emitting, and scattering rectangular geometries. Journal of Quantitative Spectroscopy and Radiative Transfer, 2002, 73, 219-230.	2.3	11
24	Radiative transfer in one-dimensional hollow cylindrical geometry with anisotropic scattering and variable medium properties. International Journal of Heat and Mass Transfer, 2002, 45, 5239-5242.	4.8	4
25	An investigation for usage of graphite powder-helium suspension as reactor coolant in a HTGR. Nuclear Engineering and Design, 1991, 131, 71-80.	1.7	1
26	The SK$_N$ Method I: A High-Order Transport Approximation to Neutron Transport Problems. Nuclear Science and Engineering, 1990, 106, 471-479.	1.1	17
27	The SKNMethod II: Heterogeneous Problems. Nuclear Science and Engineering, 1990, 106, 480-488.	1.1	13