

# Zekeriya Altañ

## List of Publications by Year in descending order

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Version: 2024-02-01

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 convective heat transfer in unsteady flow past two cylinders in tandem arrangements. <i>International Journal of Heat and Fluid Flow</i> , 2008, 29, 1309-1318.	2.4	181
2	Entropy generation in a square enclosure with partial heating from a vertical lateral wall. <i>Heat and Mass Transfer</i> , 2004, 40, 909-918.	2.1	57
3	Assessment of turbulence models in natural convection from two- and three-dimensional rectangular enclosures. <i>International Journal of Thermal Sciences</i> , 2016, 107, 237-246.	4.9	45
4	Natural convection in tilted rectangular enclosures with a vertically situated hot plate inside. <i>Applied Thermal Engineering</i> , 2007, 27, 1832-1840.	6.0	44
5	Laminar natural convection heat transfer and air flow in three-dimensional rectangular enclosures with pin arrays attached to hot wall. <i>Applied Thermal Engineering</i> , 2011, 31, 3189-3195.	6.0	42
6	Hydrodynamically and thermally developing laminar flow in spiral coil tubes. <i>International Journal of Thermal Sciences</i> , 2014, 77, 96-107.	4.9	28
7	Radiative transfer in absorbing, emitting and linearly anisotropic-scattering inhomogeneous cylindrical medium. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2003, 77, 177-192.	2.3	26
8	Benchmark solutions of radiative transfer equation for three-dimensional rectangular homogeneous media. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2008, 109, 587-607.	2.3	24
9	Numerical investigation of flow and combined natural-forced convection from an isothermal square cylinder in cross flow. <i>International Journal of Heat and Fluid Flow</i> , 2019, 75, 103-121.	2.4	22
10	Solution of the radiative integral transfer equations in rectangular participating and isotropically scattering inhomogeneous medium. <i>International Journal of Heat and Mass Transfer</i> , 2004, 47, 101-109.	4.8	20
11	The SKN Method I: A High-Order Transport Approximation to Neutron Transport Problems. <i>Nuclear Science and Engineering</i> , 1990, 106, 471-479.	1.1	17
12	Numerical Investigation of Flow and Heat Transfer Characteristics of Two Tandem Circular Cylinders of Different Diameters. <i>Heat Transfer Engineering</i> , 2017, 38, 1367-1381.	1.9	14
13	The SKN Method II: Heterogeneous Problems. <i>Nuclear Science and Engineering</i> , 1990, 106, 480-488.	1.1	13
14	Mixed convection heat transfer from a triangular cylinder subjected to upward cross flow. <i>International Journal of Thermal Sciences</i> , 2019, 137, 75-85.	4.9	13
15	The SKN approximation for solving radiation transport problems in absorbing, emitting, and scattering rectangular geometries. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2002, 73, 219-230.	2.3	11
16	Exact Solution of Radiative Transfer Equation for Three-Dimensional Rectangular, Linearly Scattering Medium. <i>Journal of Thermophysics and Heat Transfer</i> , 2011, 25, 228-238.	1.6	9
17	Nodal synthetic kernel (N-SKN) method for solving neutron transport equation in one- and two-dimensional $X \leftrightarrow Y$ geometries. <i>Annals of Nuclear Energy</i> , 2014, 64, 320-332.	1.8	9
18	Application of Synthetic Kernel (SKN) method to participating linearly anisotropically scattering solid spherical medium. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2008, 109, 210-219.	2.3	8

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	THE SKN APPROXIMATION FOR SOLVING RADIATIVE TRANSFER PROBLEMS IN RECTANGULAR PARTICIPATING AND ISOTROPICALLY SCATTERING INHOMOGENEOUS MEDIUM. , 2004, , .		4
23	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
24	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
25	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
26	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
27	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