

A-R A Khaled

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55 papers	1,431 citations	17 h-index	37 g-index
55 ext. papers	1,587 ext. citations	3.2 avg, IF	4.73 L-index

#	Paper	IF	Citations
55	Analysis of laminar film condensation over vertical permeable hollow short fins. <i>Journal of Mechanical Science and Technology</i> , 2015 , 29, 4017-4030	1.6	
54	Mathematical and Numerical Analysis of Heat Transfer Enhancement by Distribution of Suction Flows inside Permeable Tubes. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-11	1.1	2
53	Heat transfer enhancement in a vertical tube confining two immiscible falling co-flows. <i>International Journal of Thermal Sciences</i> , 2014 , 85, 138-150	4.1	7
52	Heat transfer enhancement by layering of two immiscible co-flows. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 68, 299-309	4.9	11
51	Analysis of heat transfers inside counterflow plate heat exchanger augmented by an auxiliary fluid flow. <i>Scientific World Journal, The</i> , 2014 , 2014, 308545	2.2	1
50	Analysis of heat transfer inside wall-joint-fins systems. <i>Journal of Mechanical Science and Technology</i> , 2013 , 27, 2523-2535	1.6	
49	Analysis of detection enhancement using microcantilevers with long-slit-based sensors. <i>Sensors</i> , 2013 , 13, 681-702	3.8	2
48	Generalized Correlations for Heat Transfer through High Performance Fins. <i>Advances in Mechanical Engineering</i> , 2013 , 5, 628246	1.2	
47	Heat transfer enhancement due to properly managing the distribution of the heat flux: Exact solutions. <i>Energy Conversion and Management</i> , 2012 , 53, 247-258	10.6	11
46	Theoretical investigation on thermal insulation performance of closed cavity containing a hollow cylinder. <i>Energy and Buildings</i> , 2012 , 54, 131-140	7	
45	Augmentation of heat transfer in wall-rooted-fins systems. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2012 , 22, 194-214	4.5	3
44	Modeling and Computation of Heat Transfer through Permeable Hollow-Pin Systems. <i>Advances in Mechanical Engineering</i> , 2012 , 4, 587165	1.2	2
43	Cooling augmentation using microchannels with rotatable separating plates. <i>International Journal of Heat and Mass Transfer</i> , 2011 , 54, 3732-3739	4.9	23
42	Mathematical Extrapolating of Highly Efficient Fin Systems. <i>Mathematical Problems in Engineering</i> , 2011 , 2011, 1-18	1.1	3
41	Analysis of deflection enhancement using epsilon assembly microcantilevers based sensors. <i>Sensors</i> , 2011 , 11, 9260-74	3.8	3
40	HEAT TRANSFER ENHANCEMENTS THROUGH ROOTED RECTANGULAR-AND-TRIANGULAR FINS. <i>Journal of Enhanced Heat Transfer</i> , 2011 , 18, 127-136	1.7	4
39	Recent Advances in Heat Transfer Enhancements: A Review Report. <i>International Journal of Chemical Engineering</i> , 2010 , 2010, 1-28	2.2	62

38	Thermal Characterizations of Exponential Fin Systems. <i>Mathematical Problems in Engineering</i> , 2010 , 2010, 1-19	1.1	3
37	Investigation of Heat Transfer Enhancement Through Permeable Fins. <i>Journal of Heat Transfer</i> , 2010 , 132,	1.8	8
36	Thermal Characterizations of Fin-Thin Film Systems. <i>Journal of Heat Transfer</i> , 2010 , 132,	1.8	2
35	Analysis of Laminar Falling Film Condensation Over a Vertical Plate With an Accelerating Vapor Flow. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2009 , 131,	2.1	11
34	Analysis of heat transfer through Bi-convection Fins. <i>International Journal of Thermal Sciences</i> , 2009 , 48, 122-132	4.1	7
33	Heat Transfer Analysis Through Solar and Rooted Fins. <i>Journal of Heat Transfer</i> , 2008 , 130,	1.8	10
32	Conduction heat and entropy transfer in a semi-infinite medium and wall with a combined periodic heat flux and convective boundary condition. <i>International Journal of Thermal Sciences</i> , 2008 , 47, 76-83	4.1	11
31	Heat transfer enhancement in hairy fin systems. <i>Applied Thermal Engineering</i> , 2007 , 27, 250-257	5.8	17
30	The role of expandable thermal systems in improving performance of thermal devices. <i>International Journal of Thermal Sciences</i> , 2007 , 46, 413-418	4.1	2
29	Analysis of Heat Transfer Inside Flexible Thin-Film Channels With Nonuniform Height Distributions. <i>Journal of Heat Transfer</i> , 2007 , 129, 401-404	1.8	4
28	Analysis of Thermally Expandable Flexible Fluidic Thin-Film Channels. <i>Journal of Heat Transfer</i> , 2007 , 129, 813-818	1.8	6
27	Maximizing Heat Transfer Through Joint Fin Systems. <i>Journal of Heat Transfer</i> , 2006 , 128, 203-206	1.8	9
26	Analysis of flexible microchannel heat sink systems. <i>International Journal of Heat and Mass Transfer</i> , 2005 , 48, 1739-1746	4.9	40
25	Heat transfer enhancement through control of thermal dispersion effects. <i>International Journal of Heat and Mass Transfer</i> , 2005 , 48, 2172-2185	4.9	74
24	Analysis of Flow and Heat Transfer Inside Nonisothermal Squeezed Thin Films. <i>Numerical Heat Transfer; Part A: Applications</i> , 2005 , 47, 981-996	2.3	4
23	Spatial optimization of an array of aligned microcantilever based sensors. <i>Journal of Micromechanics and Microengineering</i> , 2004 , 14, 1328-1336	2	15
22	Optimization modeling of analyte adhesion over an inclined microcantilever-based biosensor. <i>Journal of Micromechanics and Microengineering</i> , 2004 , 14, 1220-1229	2	19
21	Control of insulating properties using flexible soft seals. <i>International Journal of Heat and Mass Transfer</i> , 2004 , 47, 1297-1304	4.9	3

20	Heat transfer and flow induced by both natural convection and vibrations inside an open-end vertical channel. <i>Heat and Mass Transfer</i> , 2004 , 40, 325-337	2.2	11
19	Hydromagnetic squeezed flow and heat transfer over a sensor surface. <i>International Journal of Engineering Science</i> , 2004 , 42, 509-519	5.7	54
18	Analysis of heat and mass transfer between air and falling film in a cross flow configuration. <i>International Journal of Heat and Mass Transfer</i> , 2004 , 47, 743-755	4.9	62
17	Control of exit flow and thermal conditions using two-layered thin films supported by flexible complex seals. <i>International Journal of Heat and Mass Transfer</i> , 2004 , 47, 1599-1611	4.9	20
16	The effect of the slip condition on Stokes and Couette flows due to an oscillating wall: exact solutions. <i>International Journal of Non-Linear Mechanics</i> , 2004 , 39, 795-809	2.8	75
15	Analysis of oscillatory flow disturbances and thermal characteristics inside fluidic cells due to fluid leakage and wall slip conditions. <i>Journal of Biomechanics</i> , 2004 , 37, 721-9	2.9	17
14	Cooling Enhancements in Thin Films Supported by Flexible Complex Seals in the Presence of Ultrafine Suspensions. <i>Journal of Heat Transfer</i> , 2003 , 125, 916-925	1.8	13
13	Comparative study between parallel and counter flow configurations between air and falling film desiccant in the presence of nanoparticle suspensions. <i>International Journal of Energy Research</i> , 2003 , 27, 725-745	4.5	52
12	Analysis of flow and heat transfer inside oscillatory squeezed thin films subject to a varying clearance. <i>International Journal of Heat and Mass Transfer</i> , 2003 , 46, 631-641	4.9	26
11	The role of porous media in modeling flow and heat transfer in biological tissues. <i>International Journal of Heat and Mass Transfer</i> , 2003 , 46, 4989-5003	4.9	490
10	Analysis, control and augmentation of microcantilever deflections in bio-sensing systems. <i>Sensors and Actuators B: Chemical</i> , 2003 , 94, 103-115	8.5	58
9	HEAT TRANSFER AND HYDROMAGNETIC CONTROL OF FLOW EXIT CONDITIONS INSIDE OSCILLATORY SQUEEZED THIN FILMS. <i>Numerical Heat Transfer; Part A: Applications</i> , 2003 , 43, 239-258	2.3	19
8	Flow and heat transfer inside thin films supported by soft seals in the presence of internal and external pressure pulsations. <i>International Journal of Heat and Mass Transfer</i> , 2002 , 45, 5107-5115	4.9	21
7	NONISOTHERMAL CHARACTERIZATION OF THIN FILM OSCILLATING BEARINGS. <i>Numerical Heat Transfer; Part A: Applications</i> , 2002 , 41, 451-467	2.3	14
6	NONISOTHERMAL CHARACTERIZATION OF THIN-FILM OSCILLATING BEARINGS IN THE PRESENCE OF ULTRAFINE PARTICLES. <i>Numerical Heat Transfer; Part A: Applications</i> , 2002 , 42, 549-564	2.3	3
5	Variable porosity and thermal dispersion effects on coupled heat and mass transfer by natural convection from a surface embedded in a non-metallic porous medium. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2001 , 11, 413-429	4.5	15
4	Similarity solutions for hydromagnetic simultaneous heat and mass transfer by natural convection from an inclined plate with internal heat generation or absorption. <i>Heat and Mass Transfer</i> , 2001 , 37, 117-123	2.2	80
3	Hydromagnetic simultaneous heat and mass transfer by mixed convection from a vertical plate embedded in a stratified porous medium with thermal dispersion effects. <i>Heat and Mass Transfer</i> , 2000 , 36, 63-70	2.2	14

2	Simultaneous Heat and Mass Transfer by Natural Convection from a Cone and a Wedge in Porous Media. <i>Journal of Porous Media</i> , 2000 , 3, 10	2.9	3
1	Hydromagnetic Coupled Heat and Mass Transfer by Natural Convection from a Permeable Constant Heat Flux Surface in Porous Media. <i>Journal of Porous Media</i> , 2000 , 3, 8	2.9	5