A-R A Khaled

List of Publications by Citations

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	The role of porous media in modeling flow and heat transfer in biological tissues. *International Journal of Heat and Mass Transfer*, **2003**, 46, 4989-5003	4.9	490
54	Similarity solutions for hydromagnetic simultaneous heat and mass transfer by natural convection from an inclined plate with internal heat generation or absorption. *Heat and Mass Transfer*, **2001**, 37, 117-123	2.2	80
53	The effect of the slip condition on Stokes and Couette flows due to an oscillating wall: exact solutions. *International Journal of Non-Linear Mechanics*, **2004**, 39, 795-809	2.8	75
52	Heat transfer enhancement through control of thermal dispersion effects. *International Journal of Heat and Mass Transfer*, **2005**, 48, 2172-2185	4.9	74
51	Recent Advances in Heat Transfer Enhancements: A Review Report. *International Journal of Chemical Engineering*, **2010**, 2010, 1-28	2.2	62
50	Analysis of heat and mass transfer between air and falling film in a cross flow configuration. *International Journal of Heat and Mass Transfer*, **2004**, 47, 743-755	4.9	62
49	Analysis, control and augmentation of microcantilever deflections in bio-sensing systems. *Sensors and Actuators B: Chemical*, **2003**, 94, 103-115	8.5	58
48	Hydromagnetic squeezed flow and heat transfer over a sensor surface. *International Journal of Engineering Science*, **2004**, 42, 509-519	5.7	54
47	Comparative study between parallel and counter flow configurations between air and falling film desiccant in the presence of nanoparticle suspensions. *International Journal of Energy Research*, **2003**, 27, 725-745	4.5	52
46	Analysis of flexible microchannel heat sink systems. *International Journal of Heat and Mass Transfer*, **2005**, 48, 1739-1746	4.9	40
45	Analysis of flow and heat transfer inside oscillatory squeezed thin films subject to a varying clearance. *International Journal of Heat and Mass Transfer*, **2003**, 46, 631-641	4.9	26
44	Cooling augmentation using microchannels with rotatable separating plates. *International Journal of Heat and Mass Transfer*, **2011**, 54, 3732-3739	4.9	23
43	Flow and heat transfer inside thin films supported by soft seals in the presence of internal and external pressure pulsations. *International Journal of Heat and Mass Transfer*, **2002**, 45, 5107-5115	4.9	21
42	Control of exit flow and thermal conditions using two-layered thin films supported by flexible complex seals. *International Journal of Heat and Mass Transfer*, **2004**, 47, 1599-1611	4.9	20
41	Optimization modeling of analyte adhesion over an inclined microcantilever-based biosensor. *Journal of Micromechanics and Microengineering*, **2004**, 14, 1220-1229	2	19
40	HEAT TRANSFER AND HYDROMAGNETIC CONTROL OF FLOW EXIT CONDITIONS INSIDE OSCILLATORY SQUEEZED THIN FILMS. *Numerical Heat Transfer; Part A: Applications*, **2003**, 43, 239-258	2.3	19
39	Heat transfer enhancement in hairy fin systems. *Applied Thermal Engineering*, **2007**, 27, 250-257	5.8	17

38	Analysis of oscillatory flow disturbances and thermal characteristics inside fluidic cells due to fluid leakage and wall slip conditions. *Journal of Biomechanics*, **2004**, 37, 721-9	2.9	17
37	Spatial optimization of an array of aligned microcantilever based sensors. *Journal of Micromechanics and Microengineering*, **2004**, 14, 1328-1336	2	15
36	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. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2001**, 11, 413-429	4.5	15
35	NONISOTHERMAL CHARACTERIZATION OF THIN FILM OSCILLATING BEARINGS. *Numerical Heat Transfer; Part A: Applications*, **2002**, 41, 451-467	2.3	14
34	Hydromagnetic simultaneous heat and mass transfer by mixed convection from a vertical plate embedded in a stratified porous medium with thermal dispersion effects. *Heat and Mass Transfer*, **2000**, 36, 63-70	2.2	14
33	Cooling Enhancements in Thin Films Supported by Flexible Complex Seals in the Presence of Ultrafine Suspensions. *Journal of Heat Transfer*, **2003**, 125, 916-925	1.8	13
32	Heat transfer enhancement by layering of two immiscible co-flows. *International Journal of Heat and Mass Transfer*, **2014**, 68, 299-309	4.9	11
31	Heat transfer enhancement due to properly managing the distribution of the heat flux: Exact solutions. *Energy Conversion and Management*, **2012**, 53, 247-258	10.6	11
30	Analysis of Laminar Falling Film Condensation Over a Vertical Plate With an Accelerating Vapor Flow. *Journal of Fluids Engineering, Transactions of the ASME*, **2009**, 131,	2.1	11
29	Conduction heat and entropy transfer in a semi-infinite medium and wall with a combined periodic heat flux and convective boundary condition. *International Journal of Thermal Sciences*, **2008**, 47, 76-83	4.1	11
28	Heat transfer and flow induced by both natural convection and vibrations inside an open-end vertical channel. *Heat and Mass Transfer*, **2004**, 40, 325-337	2.2	11
27	Heat Transfer Analysis Through Solar and Rooted Fins. *Journal of Heat Transfer*, **2008**, 130,	1.8	10
26	Maximizing Heat Transfer Through Joint Fin Systems. *Journal of Heat Transfer*, **2006**, 128, 203-206	1.8	9
25	Investigation of Heat Transfer Enhancement Through Permeable Fins. *Journal of Heat Transfer*, **2010**, 132,	1.8	8
24	Heat transfer enhancement in a vertical tube confining two immiscible falling co-flows. *International Journal of Thermal Sciences*, **2014**, 85, 138-150	4.1	7
23	Analysis of heat transfer through Bi-convection fins. *International Journal of Thermal Sciences*, **2009**, 48, 122-132	4.1	7
22	Analysis of Thermally Expandable Flexible Fluidic Thin-Film Channels. *Journal of Heat Transfer*, **2007**, 129, 813-818	1.8	6
21	Hydromagnetic Coupled Heat and Mass Transfer by Natural Convection from a Permeable Constant Heat Flux Surface in Porous Media. *Journal of Porous Media*, **2000**, 3, 8	2.9	5

20	Analysis of Heat Transfer Inside Flexible Thin-Film Channels With Nonuniform Height Distributions. *Journal of Heat Transfer*, **2007**, 129, 401-404	1.8	4
19	Analysis of Flow and Heat Transfer Inside Nonisothermal Squeezed Thin Films. *Numerical Heat Transfer; Part A: Applications*, **2005**, 47, 981-996	2.3	4
18	HEAT TRANSFER ENHANCEMENTS THROUGH ROOTED RECTANGULAR-AND-TRIANGULAR FINS. *Journal of Enhanced Heat Transfer*, **2011**, 18, 127-136	1.7	4
17	Thermal Characterizations of Exponential Fin Systems. *Mathematical Problems in Engineering*, **2010**, 2010, 1-19	1.1	3
16	Mathematical Extrapolating of Highly Efficient Fin Systems. *Mathematical Problems in Engineering*, **2011**, 2011, 1-18	1.1	3
15	Analysis of deflection enhancement using epsilon assembly microcantilevers based sensors. *Sensors* , **2011**, 11, 9260-74	3.8	3
14	Augmentation of heat transfer in wall-rooted-fins systems. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2012**, 22, 194-214	4.5	3
13	Control of insulating properties using flexible soft seals. *International Journal of Heat and Mass Transfer*, **2004**, 47, 1297-1304	4.9	3
12	NONISOTHERMAL CHARACTERIZATION OF THIN-FILM OSCILLATING BEARINGS IN THE PRESENCE OF ULTRAFINE PARTICLES. *Numerical Heat Transfer; Part A: Applications*, **2002**, 42, 549-564	2.3	3
11	Simultaneous Heat and Mass Transfer by Natural Convection from a Cone and a Wedge in Porous Media. *Journal of Porous Media*, **2000**, 3, 10	2.9	3
10	Mathematical and Numerical Analysis of Heat Transfer Enhancement by Distribution of Suction Flows inside Permeable Tubes. *Mathematical Problems in Engineering*, **2015**, 2015, 1-11	1.1	2
9	Analysis of detection enhancement using microcantilevers with long-slit-based sensors. *Sensors*, **2013**, 13, 681-702	3.8	2
8	Thermal Characterizations of Fin-Thin Film Systems. *Journal of Heat Transfer*, **2010**, 132,	1.8	2
7	The role of expandable thermal systems in improving performance of thermal devices. *International Journal of Thermal Sciences*, **2007**, 46, 413-418	4.1	2
6	Modeling and Computation of Heat Transfer through Permeable Hollow-Pin Systems. *Advances in Mechanical Engineering*, **2012**, 4, 587165	1.2	2
5	Analysis of heat transfers inside counterflow plate heat exchanger augmented by an auxiliary fluid flow. *Scientific World Journal, The*, **2014**, 2014, 308545	2.2	1
4	Analysis of heat transfer inside wall-joint-fins systems. *Journal of Mechanical Science and Technology*, **2013**, 27, 2523-2535	1.6	
3	Analysis of laminar film condensation over vertical permeable hollow short fins. *Journal of Mechanical Science and Technology*, **2015**, 29, 4017-4030	1.6	

2	Theoretical investigation on thermal insulation performance of closed cavity containing a hollow cylinder. *Energy and Buildings*, **2012**, 54, 131-140	7
1	Generalized Correlations for Heat Transfer through High Performance Fins. *Advances in Mechanical Engineering*, **2013**, 5, 628246	1.2