

# Ashraf N Al-Khateeb

## 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.

22  
papers

287  
citations

11  
h-index

16  
g-index

22  
ext. papers

358  
ext. citations

4.4  
avg, IF

3.71  
L-index

#	Paper	IF	Citations
22	The Effect of Hydrogen Peroxide on NH <sub>3</sub> /O <sub>2</sub> Counterflow Diffusion Flames. <i>Energies</i> , <b>2022</b> , 15, 2216	3.1	0
21	Multiple Particle Manipulation under Dielectrophoresis Effect: Modeling and Experiments. <i>Langmuir</i> , <b>2020</b> , 36, 3016-3028	4	8
20	Dissipative particle dynamics for modeling micro-objects in microfluidics: application to dielectrophoresis. <i>Biomechanics and Modeling in Mechanobiology</i> , <b>2020</b> , 19, 389-400	3.8	5
19	Numerical investigation of nanofluid particle migration and convective heat transfer in microchannels using an Eulerian-Lagrangian approach. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 878, 62-97	3.7	22
18	Ultrastable plasmonic nanofluids in optimized direct absorption solar collectors. <i>Energy Conversion and Management</i> , <b>2019</b> , 199, 112010	10.6	32
17	Investigation of DPD transport properties in modeling bioparticle motion under the effect of external forces: Low Reynolds number and high Schmidt scenarios. <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 054901	3.9	5
16	Four-way coupling of particle-wall and colloidal particle-particle interactions in direct absorption solar collectors. <i>Energy Conversion and Management</i> , <b>2019</b> , 195, 7-20	10.6	15
15	Energy and exergy analysis and optimization of low-flux direct absorption solar collectors (DASCs): Balancing power- and temperature-gain. <i>Renewable Energy</i> , <b>2019</b> , 133, 861-872	8.1	20
14	On the assessment of modeling combined convection heat transfer in nanofluids using dissipative particle dynamics. <i>International Journal of Mechanical Sciences</i> , <b>2019</b> , 150, 561-575	5.5	3
13	Effect of bottom surface optical boundary conditions on nanofluid-based DASC: Parametric study and optimization. <i>Solar Energy</i> , <b>2018</b> , 164, 210-223	6.8	22
12	Comprehensive Validation of Skeletal Mechanism for Turbulent Premixed Methane-Air Flame Simulations. <i>Journal of Propulsion and Power</i> , <b>2018</b> , 34, 153-160	1.8	12
11	Direct absorption solar collector (DASC) modeling and simulation using a novel Eulerian-Lagrangian hybrid approach: Optical, thermal, and hydrodynamic interactions. <i>Applied Energy</i> , <b>2018</b> , 231, 1132-1145	10.7	28
10	Electric Manipulation of Laminar Nonpremixed Counterflow Propane Flames. <i>Journal of Thermal Science and Engineering Applications</i> , <b>2017</b> , 9,	1.9	1
9	Laminar Non-Premixed Counterflow Flames Manipulation through the Application of External Direct Current Fields. <i>Journal of Energy Engineering - ASCE</i> , <b>2017</b> , 143, 04017002	1.7	11
8	Phenomenology of Electrostatically Manipulated Laminar Counterflow Non-Premixed Methane Flames. <i>Journal of Energy Engineering - ASCE</i> , <b>2016</b> , 142,	1.7	4
7	Slow attractive canonical invariant manifolds for reactive systems. <i>Journal of Mathematical Chemistry</i> , <b>2015</b> , 53, 737-766	2.1	1
6	Analysis of the spatio-temporal scales of laminar premixed flames near equilibrium. <i>Combustion Theory and Modelling</i> , <b>2013</b> , 17, 76-108	1.5	5

5	On the Necessary Grid Resolution for Verified Calculation of Premixed Laminar Flames. <i>Communications in Computational Physics</i> , <b>2010</b> , 8, 304-326	2.4	10
4	One-dimensional slow invariant manifolds for spatially homogenous reactive systems. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 024118	3.9	36
3	On Numerical Resolution Requirements in Combustion Modeling <b>2007</b> , 775		1
2	Validity of the Local Thermal Equilibrium Assumption in Natural Convection from a Vertical Plate Embedded in a Porous Medium. <i>Journal of Porous Media</i> , <b>2005</b> , 8, 85-95	2.9	13
1	Validation of the local thermal equilibrium assumption in natural convection from a vertical plate embedded in porous medium: non-Darcian model. <i>International Journal of Heat and Mass Transfer</i> , <b>2004</b> , 47, 2037-2042	4.9	33