

# Guizani Amenallah

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/9483727/guizani-amenallah-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

36  
papers

930  
citations

17  
h-index

30  
g-index

39  
ext. papers

1,061  
ext. citations

5.5  
avg, IF

4.3  
L-index

#	Paper	IF	Citations
36	Interfacial heat transport across multilayer nanofilms in ballistic-diffusive regime. <i>European Physical Journal Plus</i> , <b>2020</b> , 135, 1	3.1	11
35	Analysis of an integrated collector storage system with vacuum glazing and compound parabolic concentrator. <i>Applied Thermal Engineering</i> , <b>2020</b> , 169, 114958	5.8	5
34	Experimental study of a new mixed mode solar greenhouse drying system with and without thermal energy storage for pepper. <i>Renewable Energy</i> , <b>2020</b> , 145, 1972-1984	8.1	45
33	Thermal optimization of solar dish collector for indirect vapor generation. <i>International Journal of Energy Research</i> , <b>2019</b> , 43, 7240	4.5	3
32	Modeling Thermal Performance of Nano-GNFET Transistors Using Ballistic-Diffusive Equation. <i>IEEE Transactions on Electron Devices</i> , <b>2018</b> , 65, 1611-1616	2.9	22
31	Convective hydromagnetic instabilities of a power-law liquid saturating a porous medium: Flux conditions. <i>Physics of Fluids</i> , <b>2018</b> , 30, 013101	4.4	4
30	Numerical simulation of nanofluids for improved cooling efficiency in a 3D copper microchannel heat sink (MCHS). <i>Physics and Chemistry of Liquids</i> , <b>2018</b> , 56, 311-331	1.5	15
29	The convective drying of grape seeds: Effect of shrinkage on heat and mass transfer. <i>Journal of Food Process Engineering</i> , <b>2018</b> , 41, e12614	2.4	5
28	Numerical investigation of heat and mass transfer in partially blocked membrane based heat exchanger: Effects of obstacles forms. <i>Applied Thermal Engineering</i> , <b>2018</b> , 130, 211-220	5.8	15
27	Investigation of heat transport across Ge/Si interface using an enhanced ballistic-diffusive model. <i>Superlattices and Microstructures</i> , <b>2018</b> , 124, 218-230	2.8	15
26	Numerical and experimental study of a closed loop for ground heat exchanger coupled with heat pump system and a solar collector for heating a glass greenhouse in north of Tunisia. <i>International Journal of Refrigeration</i> , <b>2017</b> , 76, 328-341	3.8	13
25	Performance investigation of desiccant liquid air membrane energy exchanger: Air and lithium chloride effects. <i>International Journal of Refrigeration</i> , <b>2017</b> , 80, 145-157	3.8	7
24	Experimental investigation and numerical validation of total heat exchanger and membrane phenomena. <i>Energy and Buildings</i> , <b>2016</b> , 133, 131-140	7	9
23	Estimation of thermophysical properties of lightweight mortars made of wood shavings and expanded polystyrene beads using a hybrid algorithm. <i>Energy and Buildings</i> , <b>2016</b> , 118, 133-141	7	7
22	Numerical simulation of heat transfer enhancement for natural convection in a cubical enclosure filled with Al <sub>2</sub> O <sub>3</sub> /water and Ag/water nanofluids. <i>Physics and Chemistry of Liquids</i> , <b>2016</b> , 54, 703-716	1.5	7
21	Numerical investigation of membrane based heat exchanger with partially blocked channels. <i>Applied Thermal Engineering</i> , <b>2016</b> , 104, 203-211	5.8	11
20	Performance of the coupling of the flat plate collector and a heat pump system associated with a vertical heat exchanger for heating of the two types of greenhouses system. <i>Energy Conversion and Management</i> , <b>2015</b> , 103, 266-275	10.6	25

19	Optical study of solar tower power plants. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 596, 012018	0.3	13
18	A numerical investigation of reactant transport in a PEM fuel cell with partially blocked gas channels. <i>Energy Conversion and Management</i> , <b>2014</b> , 80, 32-38	10.6	42
17	Cross-flow membrane-based enthalpy exchanger balanced and unbalanced flow. <i>Energy Conversion and Management</i> , <b>2014</b> , 87, 19-28	10.6	19
16	The onset of convection of power-law fluids in a shallow cavity heated from below by a constant heat flux. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2013</b> , 196, 70-82	2.7	20
15	Investigation of a solar cooling installation in Tunisia. <i>Applied Energy</i> , <b>2012</b> , 98, 138-148	10.7	62
14	The influence of the heat extraction mode on the performance and stability of a mini solar pond. <i>Applied Energy</i> , <b>2010</b> , 87, 3005-3010	10.7	36
13	Feasibility of solar absorption air conditioning in Tunisia. <i>Building and Environment</i> , <b>2008</b> , 43, 1459-1470	6.5	89
12	Numerical study of the heat and mass transfer in inclined glazing cavity: Application to a solar distillation cell. <i>Renewable Energy</i> , <b>2007</b> , 32, 1511-1524	8.1	20
11	Numerical Study of the Moving Boundary Problem During Melting Process in a Rectangular Cavity Heated from Below. <i>American Journal of Applied Sciences</i> , <b>2007</b> , 4, 251-256	0.8	17
10	Numerical study of the natural convection in cavity heated from the lower corner and cooled from the ceiling. <i>Applied Thermal Engineering</i> , <b>2006</b> , 26, 772-775	5.8	35
9	Numerical study of the natural convection flow resulting from the combined buoyancy effects of thermal and mass diffusion in a cavity with differentially heated side walls. <i>Desalination</i> , <b>2005</b> , 182, 143-150	10.3	13
8	Study of temperature and salinity profiles development of solar pond in laboratory. <i>Desalination</i> , <b>2005</b> , 183, 179-185	10.3	27
7	Simulation of the control of a salt gradient solar pond in the south of Tunisia. <i>Solar Energy</i> , <b>2003</b> , 75, 95-101	6.8	21
6	Moisture diffusivity and drying kinetic equation of convective drying of grapes. <i>Journal of Food Engineering</i> , <b>2002</b> , 55, 323-330	6	190
5	Experimental study of the natural convection flow around an array of heated horizontal cylinders. <i>Renewable Energy</i> , <b>2000</b> , 21, 65-78	8.1	33
4	Numerical study of the laminar natural convection flow around an array of two horizontal isothermal cylinders. <i>International Communications in Heat and Mass Transfer</i> , <b>1999</b> , 26, 329-338	5.8	42
3	Numerical study of the laminar natural convection flow around horizontal isothermal cylinder. <i>Renewable Energy</i> , <b>1998</b> , 13, 77-88	8.1	18
2	Simulation of the transient behaviour of a salt gradient solar pond in Tunisia. <i>Renewable Energy</i> , <b>1998</b> , 14, 69-76	8.1	13

- 1 A novel mathematical approach for the optical efficiency optimization of solar tower power plant technology. *International Journal of Energy Research*, 4.5 1