

# Walter Grassi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1062045/publications.pdf>

Version: 2024-02-01

25  
papers

479  
citations

840776

11  
h-index

677142

22  
g-index

26  
all docs

26  
docs citations

26  
times ranked

315  
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy and geotechnical behaviour of energy piles for different design solutions. Applied Thermal Engineering, 2015, 86, 199-213.	6.0	137
2	Saturated Pool Boiling Enhancement by Means of an Electric Field. Journal of Enhanced Heat Transfer, 1993, 1, 99-114.	1.1	55
3	EHD enhanced heat transfer in a vertical annulus. International Communications in Heat and Mass Transfer, 2005, 32, 748-757.	5.6	37
4	A Proposal for New Microclimate Indexes for the Evaluation of Indoor Air Quality in Museums. Buildings, 2016, 6, 41.	3.1	36
5	Heat Transfer Enhancement by Electric Fields in Several Heat Exchange Regimes. Annals of the New York Academy of Sciences, 2006, 1077, 527-569.	3.8	28
6	Heat transfer enhancement on the upper surface of a horizontal heated plate in a pool by ion injection from a metallic point. Journal of Electrostatics, 2006, 64, 574-580.	1.9	20
7	Effect of an Externally Applied Electric Field on Pool Film Boiling of FC-72. Heat Transfer Engineering, 2004, 25, 3-13.	1.9	17
8	Heat transfer enhancement in a vertical annulus by electrophoretic forces acting on a dielectric liquid. International Journal of Thermal Sciences, 2005, 44, 1072-1077.	4.9	17
9	Heat Transfer Augmentation by Ion Injection in an Annular Duct. Journal of Heat Transfer, 2006, 128, 283-289.	2.1	15
10	Heat Transfer Correlations for Turbulent Mixed Convection in the Entrance Region of a Uniformly Heated Horizontal Tube. Journal of Heat Transfer, 2006, 128, 1103-1107.	2.1	15
11	POOL BOILING IN MICROGRAVITY AND IN ELECTRIC FIELDS: OLD AND RECENT RESULTS. Multiphase Science and Technology, 2007, 19, 141-165.	0.5	15
12	Enhanced nucleate boiling and CHF on a small horizontal plate under ionic jet impingement. International Communications in Heat and Mass Transfer, 2016, 79, 67-73.	5.6	12
13	Optimal Working Fluid and Electrode Configuration for EHD-Enhanced Single-Phase Heat Transfer. Journal of Enhanced Heat Transfer, 2007, 14, 161-173.	1.1	11
14	A new hydrodynamic approach for jet impingement boiling CHF. International Communications in Heat and Mass Transfer, 2019, 104, 83-88.	5.6	10
15	Electrohydrodynamic Convective Heat Transfer in a Square Duct. Annals of the New York Academy of Sciences, 2009, 1161, 452-462.	3.8	9
16	Developing upward flow in a uniformly heated circular duct under transitional mixed convection. International Journal of Thermal Sciences, 2006, 45, 932-937.	4.9	7
17	Quantitative measurements in thermo-fluid dynamics based on colour processing. Optics and Laser Technology, 2011, 43, 381-393.	4.6	7
18	Parabolic flight results of electrohydrodynamic heat transfer enhancement in a square duct. International Journal of Thermal Sciences, 2017, 117, 1-13.	4.9	7

#	ARTICLE	IF	CITATIONS
19	Augmentation of Heat Transfer on the Downward Surface of a Heated Plate by Ion Injection. Annals of the New York Academy of Sciences, 2006, 1077, 602-612.	3.8	6
20	Induction of waves on a horizontal water film by an impinging corona wind. IEEE Transactions on Dielectrics and Electrical Insulation, 2009, 16, 377-385.	2.9	6
21	Thermo-Fluid Dynamics of an Array of Impinging Ionic Jets in a Crossflow. Journal of Heat Transfer, 2013, 135, .	2.1	5
22	POOL BOILING IN MICROGRAVITY AND IN THE PRESENCE OF ELECTRIC FIELD: EVALUATION OF THE VOID FRACTION IN THE ARIEL EXPERIMENT. Multiphase Science and Technology, 2009, 21, 267-277.	0.5	5
23	A Fast Analytical Method for the Dynamic Energy Simulation of Energy Piles With Short Time Resolution. Journal of Heat Transfer, 2021, 143, .	2.1	1
24	Heat Transfer Augmentation by Ion Injection in an Annular Duct. , 2004, , .		1
25	Thermo-Fluid Dynamics of an Array of Impinging Ionic Jets in a Crossflow. , 2010, , .		0