

# Issam Lakkis

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

234  
citations

1040056

9  
h-index

996975

15  
g-index

25  
all docs

25  
docs citations

25  
times ranked

315  
citing authors

#	ARTICLE	IF	CITATIONS
1	Updated national emission inventory and comparison with the Emissions Database for Global Atmospheric Research (EDGAR): case of Lebanon. <i>Environmental Science and Pollution Research</i> , 2022, 29, 30193-30205.	5.3	3
2	Low cost air quality sensors –PurpleAir– calibration and inter-calibration dataset in the context of Beirut, Lebanon. <i>Data in Brief</i> , 2022, 41, 108008.	1.0	8
3	Moving source identification in an uncertain marine flow: Mediterranean Sea application. <i>Ocean Engineering</i> , 2021, 220, 108435.	4.3	2
4	Bayesian identification of oil spill source parameters from image contours. <i>Marine Pollution Bulletin</i> , 2021, 169, 112514.	5.0	5
5	Towards an End-to-End Analysis and Prediction System for Weather, Climate, and Marine Applications in the Red Sea. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E99-E122.	3.3	31
6	Longitudinal study on the effect of surgical weight loss on beat-to-beat blood pressure variability in patients undergoing bariatric surgery: a study protocol. <i>BMJ Open</i> , 2021, 11, e050957.	1.9	0
7	A novel method to improve temperature forecast in data-scarce urban environments with application to the Urban Heat Island in Beirut. <i>Urban Climate</i> , 2020, 33, 100648.	5.7	11
8	Proper evaluation of spherical harmonics-based expressions for the velocity and vortex stretching vectors in three-dimensional grid-free vortex methods. <i>Journal of Computational Physics</i> , 2020, 418, 109603.	3.8	2
9	Multisource Groundwater Contamination under Data Scarcity: The Case Study of Six Municipalities in the Proximity of the Naameh Landfill, Lebanon. <i>Water (Switzerland)</i> , 2020, 12, 1358.	2.7	2
10	Self sustained thermally induced gas-damped oscillations of bimetal cantilevers with application to the design of a new pyroelectric micro energy harvester. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 195501.	2.8	3
11	Transdisciplinary interventions for environmental sustainability. <i>Waste Management</i> , 2020, 107, 159-171.	7.4	12
12	Emission inventory of key sources of air pollution in Lebanon. <i>Atmospheric Environment</i> , 2019, 215, 116871.	4.1	23
13	Urban energy modeling and calibration of a coastal Mediterranean city: The case of Beirut. <i>Energy and Buildings</i> , 2019, 199, 223-234.	6.7	22
14	A novel spatio-temporally adaptive parallel three-dimensional DSMC solver for unsteady rarefied micro/nano gas flows. <i>Computers and Fluids</i> , 2019, 186, 1-14.	2.5	8
15	Comparison of atmospheric polycyclic aromatic hydrocarbon levels in three urban areas in Lebanon. <i>Atmospheric Environment</i> , 2018, 179, 260-267.	4.1	22
16	PM10 Plume dispersion data of the Zouk power plant in Lebanon. <i>Data in Brief</i> , 2018, 20, 1905-1911.	1.0	4
17	Lagrangian tracking in stochastic fields with application to an ensemble of velocity fields in the Red Sea. <i>Ocean Modelling</i> , 2018, 131, 1-14.	2.4	9
18	Microfluidic mixing using pulsating flows. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	15

#	ARTICLE	IF	CITATIONS
19	Microfluidic transistors for analog microflows amplification and control. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	6
20	Reduced-Order Modeling of Low Mach Number Unsteady Microchannel Flows. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2014, 136, .	1.5	4
21	Grid-Free Vortex Methods for Natural Convection; Handling Source Terms and Nonlinear Diffusion. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2012, 62, 370-398.	0.9	2
22	A high resolution spatially adaptive vortex method for separating flows. Part I: Two-dimensional domains. <i>Journal of Computational Physics</i> , 2009, 228, 491-515.	3.8	17
23	Natural-Convection Heat Transfer in Channels With Isoflux Convex Surfaces. <i>Heat Transfer Engineering</i> , 2009, 30, 1151-1165.	1.9	3
24	Axisymmetric vortex method for low-Mach number, diffusion-controlled combustion. <i>Journal of Computational Physics</i> , 2003, 184, 435-475.	3.8	19
25	Grid-free simulation of a reacting radiating fuel ring. , 2000, , .		1