

# Albert Oliver

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

100  
citations

1684188

5  
h-index

1372567

10  
g-index

20  
all docs

20  
docs citations

20  
times ranked

124  
citing authors

#	ARTICLE	IF	CITATIONS
1	A phenomenological computational model of the evoked action potential fitted to human cochlear implant responses. PLoS Computational Biology, 2022, 18, e1010134.	3.2	0
2	Sensitivity analysis of the WRF model: Assessment of performance in high resolution simulations in complex terrain in the Canary Islands. Atmospheric Research, 2021, 247, 105157.	4.1	5
3	Comparison of Two Solar Probabilistic Forecasting Methodologies for Microgrids Energy Efficiency. Energies, 2021, 14, 1679.	3.1	3
4	Parallel graph-grammar-based algorithm for the longest-edge refinement of triangular meshes and the pollution simulations in Lesser Poland area. Engineering With Computers, 2021, 37, 3857-3880.	6.1	3
5	A Phenomenological Epidemic Model Based On the Spatio-Temporal Evolution of a Gaussian Probability Density Function. Mathematics, 2020, 8, 2000.	2.2	3
6	Analysis of sounding derived parameters and application to severe weather events in the Canary Islands. Atmospheric Research, 2020, 237, 104865.	4.1	4
7	Analysis of satellite derived solar irradiance in islands with site adaptation techniques for improving the uncertainty. Renewable Energy, 2019, 135, 98-107.	8.9	29
8	Optimisation technique for improving wind downscaling results by estimating roughness parameters. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 174, 411-423.	3.9	6
9	Improving shadows detection for solar radiation numerical models. Applied Mathematics and Computation, 2018, 319, 71-85.	2.2	13
10	Insertion of triangulated surfaces into a meccano tetrahedral discretization by means of mesh refinement and optimization procedures. International Journal for Numerical Methods in Engineering, 2018, 113, 1488-1506.	2.8	0
11	Wind Field Probabilistic Forecasting. Green Energy and Technology, 2018, , 129-145.	0.6	1
12	Characterization of Geographical and Meteorological Parameters. Green Energy and Technology, 2018, , 41-63.	0.6	0
13	Wind Field Diagnostic Model. Green Energy and Technology, 2018, , 89-111.	0.6	2
14	Simulating large emitters using CMAQ and a local scale finite element model. Analysis of the surroundings of Barcelona. International Journal of Environment and Pollution, 2017, 62, 155.	0.2	0
15	Simulating large emitters using CMAQ and a local scale finite element model. Analysis of the surroundings of Barcelona. International Journal of Environment and Pollution, 2017, 62, 155.	0.2	0
16	Wind Forecasting Based on the HARMONIE Model and Adaptive Finite Elements. Pure and Applied Geophysics, 2015, 172, 109-120.	1.9	11
17	Adaptive finite element simulation of stack pollutant emissions over complex terrains. Energy, 2013, 49, 47-60.	8.8	15
18	Finite element simulation of a local scale air quality model over complex terrain. Advances in Science and Research, 2012, 8, 105-113.	1.0	5

#	ARTICLE	IF	CITATIONS
19	Three-Dimensional Finite Element Modelling of Stack Pollutant Emissions. , 0, , .		0
20	Finite Element Simulation of Chimney Emissions: A Proposal for Near Field Impact Assessment in Highly Complex Terrains. , 0, , .		0