

Edoardo Bucchignani

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,059
citations

623699

14
h-index

526264

27
g-index

46
all docs

46
docs citations

46
times ranked

1404
citing authors

#	ARTICLE	IF	CITATIONS
1	Future Global Meteorological Drought Hot Spots: A Study Based on CORDEX Data. <i>Journal of Climate</i> , 2020, 33, 3635-3661.	3.2	230
2	Climate change projections for the Middle East–North Africa domain with COSMO-CLM at different spatial resolutions. <i>Advances in Climate Change Research</i> , 2018, 9, 66-80.	5.1	114
3	Towards an operationalisation of nature-based solutions for natural hazards. <i>Science of the Total Environment</i> , 2020, 731, 138855.	8.0	105
4	High-resolution climate simulations with COSMO-CLM over Italy: performance evaluation and climate projections for the 21st century. <i>International Journal of Climatology</i> , 2016, 36, 735-756.	3.5	102
5	Extreme temperature and precipitation events over Italy: assessment of high-resolution simulations with COSMO-CLM and future scenarios. <i>International Journal of Climatology</i> , 2016, 36, 987-1004.	3.5	70
6	Business-as-usual will lead to super and ultra-extreme heatwaves in the Middle East and North Africa. <i>Npj Climate and Atmospheric Science</i> , 2021, 4, .	6.8	61
7	COSMO-CLM regional climate simulations in the Coordinated Regional Climate Downscaling Experiment (CORDEX) framework: a review. <i>Geoscientific Model Development</i> , 2021, 14, 5125-5154.	3.6	55
8	High-resolution projection of climate change and extremity over Israel using COSMO-CLM. <i>International Journal of Climatology</i> , 2018, 38, 5095-5106.	3.5	42
9	Sensitivity analysis with the regional climate model COSMO-CLM over the CORDEX-MENA domain. <i>Meteorology and Atmospheric Physics</i> , 2016, 128, 73-95.	2.0	37
10	Regional climate modeling over China with COSMO-CLM: Performance assessment and climate projections. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 12,151.	3.3	35
11	Extreme weather events over China: assessment of COSMO-CLM simulations and future scenarios. <i>International Journal of Climatology</i> , 2017, 37, 1578-1594.	3.5	31
12	Performance evaluation of high-resolution regional climate simulations in the Alpine space and analysis of extreme events. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 3222-3237.	3.3	27
13	Analysis of ERA-Interim-driven COSMO-CLM simulations over Middle East –North Africa domain at different spatial resolutions. <i>International Journal of Climatology</i> , 2016, 36, 3346-3369.	3.5	19
14	Evaluating the Urban Canopy Scheme TERRA_URB in the COSMO Model for Selected European Cities. <i>Atmosphere</i> , 2021, 12, 237.	2.3	17
15	Validation of GPM Rainfall and Drop Size Distribution Products through Disdrometers in Italy. <i>Remote Sensing</i> , 2021, 13, 2081.	4.0	14
16	Wind waves in the Adriatic Sea under a severe climate change scenario and implications for the coasts. <i>International Journal of Climatology</i> , 2020, 40, 5389-5406.	3.5	13
17	Quantifying co-benefits and disbenefits of Nature-based Solutions targeting Disaster Risk Reduction. <i>International Journal of Disaster Risk Reduction</i> , 2022, 75, 102966.	3.9	13
18	Regional Climate Modelling with COSMO-CLM: History and Perspectives. <i>Atmosphere</i> , 2020, 11, 1250.	2.3	11

#	ARTICLE	IF	CITATIONS
19	A partition method for the solution of a coupled liquid-structure interaction problem. Applied Numerical Mathematics, 2004, 51, 463-475.	2.1	8
20	Objective Calibration of Numerical Weather Prediction Model: Application on Fine Resolution COSMO Model over Switzerland. Atmosphere, 2021, 12, 1358.	2.3	7
21	Performance Evaluation of High-Resolution Simulations with COSMO over South Italy. Atmosphere, 2021, 12, 45.	2.3	6
22	On the importance of solid deformations in convection-dominated liquid/solid phase change of pure materials. Applications of Mathematics, 2011, 56, 117-136.	0.9	5
23	A Sensitivity Analysis with COSMO-LM at 1 km Resolution over South Italy. Atmosphere, 2020, 11, 430.	2.3	5
24	A Sensitivity Study on High Resolution NWP ICON–LAM Model over Italy. Atmosphere, 2022, 13, 540.	2.3	5
25	Prearrangement of the COSMO-CLM Model on the Chinese Region and Sensitivity Analysis. SSRN Electronic Journal, 0, , .	0.4	4
26	A numerical study of non-linear dynamics in a tank for aerospace applications. Applied Numerical Mathematics, 2004, 49, 307-318.	2.1	3
27	Analysis of Expected Climate Extreme Variability with Regional Climate Simulations over Napoli Capodichino Airport: A Contribution to a Climate Risk Assessment Framework. Earth, 2021, 2, 980-996.	2.2	3
28	Computational flowfield analyses of hypersonic problems with reacting boundary layer. Mathematics and Computers in Simulation, 2010, 81, 656-669.	4.4	2
29	A Sensitivity Study with the RCM COSMO CLM Over the North and Center Italy. SSRN Electronic Journal, 0, , .	0.4	2
30	High-resolution simulations with COSMO model including TERRA_URB TERRA_URB parameterization for the representation of Urban Heat Islands over South Italy. Advances in Science and Research, 0, 17, 19-22.	1.0	2
31	Numerical Simulation of the Period 1971–2100 over the Mediterranean Area with a Regional Model, Scenario SRES-A1B. Sustainability, 2017, 9, 2192.	3.2	0