Claudio Guarnaccia

List of Publications by Year
in descending order

52 papers	2,012 citations	687220 13 h-index	243529 44 g-index
53 all docs	53 docs citations	53 times ranked	2909 citing authors

#	Article	IF	Citations
1	The ALICE experiment at the CERN LHC. Journal of Instrumentation, 2008, 3, S08002-S08002.	0.5	811
2	ALICE: Physics Performance Report, Volume II. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, 1295-2040.	1.4	441
3	Alignment of the ALICE Inner Tracking System with cosmic-ray tracks. Journal of Instrumentation, 2010, 5, P03003-P03003.	0.5	171
4	First proton–proton collisions at the LHC as observed with the ALICE detector: measurement of the charged-particle pseudorapidity density at $\sqrt{s}=900$ GeV. European Physical Journal C, 2010, 65, 111-125.	1.4	124
5	Diurnal and seasonal variation of BTEX in the air of Monterrey, Mexico: preliminary study of sources and photochemical ozone pollution. Air Quality, Atmosphere and Health, 2015, 8, 469-482.	1.5	45
6	Performance of a six gap MRPC built for large area coverage. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 593, 263-268.	0.7	43
7	Final test of the MRPC production for the ALICE TOF detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 709-712.	0.7	34
8	SPEED DISTRIBUTION INFLUENCE IN ROAD TRAFFIC NOISE PREDICTION. Environmental Engineering and Management Journal, 2013, 12, 493-501.	0.2	32
9	Health Risk Assessment of the Levels of BTEX in Ambient Air of One Urban Site Located in Leon, Guanajuato, Mexico during Two Climatic Seasons. Atmosphere, 2020, 11, 165.	1.0	30
10	An analysis of airport noise data using a non-homogeneous Poisson model with a change-point. Applied Acoustics, 2015, 91, 33-39.	1.7	21
11	Modeling environmental noise exceedances using non-homogeneous Poisson processes. Journal of the Acoustical Society of America, 2014, 136, 1631-1639.	0.5	18
12	A time series analysis and a non-homogeneous Poisson model with multiple change-points applied to acoustic data. Applied Acoustics, 2016, 114, 203-212.	1.7	16
13	Soundwalk, Questionnaires and Noise Measurements in a University Campus: A Soundscape Study. Sustainability, 2021, 13, 841.	1.6	16
14	Application of Machine Learning to Include Honking Effect in Vehicular Traffic Noise Prediction. Applied Sciences (Switzerland), 2021, 11, 6030.	1.3	16
15	A Comparative Assessment of Analytical Fate and Transport Models of Organic Contaminants in Unsaturated Soils. Sustainability, 2020, 12, 2949.	1.6	15
16	Statistical and semi-dynamical road traffic noise models comparison with field measurements. AIP Conference Proceedings, 2018, , .	0.3	13
17	The Potential of Metering Roundabouts: Influence in Transportation Externalities. Transportation Research Record, 2018, 2672, 21-34.	1.0	13
18	EAgLE: Equivalent Acoustic Level Estimator Proposal. Sensors, 2020, 20, 701.	2.1	13

#	Article	IF	Citations
19	Geo-Crowdsourced Sound Level Data in Support of the Community Facilities Planning. A Methodological Proposal. Sustainability, 2021, 13, 5486.	1.6	13
20	Trace Metal Content and Health Risk Assessment of PM10 in an Urban Environment of LeÃ³n, Mexico. Atmosphere, 2019, 10, 573.	1.0	13
21	Advanced Impact Integration Platform for Cooperative Road Use. International Journal of Intelligent Transportation Systems Research, 2018, 16, 1-15.	0.6	11
22	Deterministic decomposition and seasonal ARIMA time series models applied to airport noise forecasting. AIP Conference Proceedings, 2017, , .	0.3	9
23	Association between obesity and frequency of highâ€‘grade prostate cancer on biopsy in men: A singleâ€‘center retrospective study. Molecular and Clinical Oncology, 2022, 17, .	0.4	8
24	Multiplicity studies and effective energy in ALICE at the LHC. European Physical Journal C, 2007, 50, 341-352.	1.4	7
25	A topological trigger based on the Time-of-Flight detector for the ALICE experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 372-376.	0.7	7
26	AN URBAN GROWTH MODEL BASED ON A CELLULAR AUTOMATA PHENOMENOLOGICAL FRAMEWORK. International Journal of Modern Physics C, 2011, 22, 543-561.	0.8	7
27	Towards the installation and use of an extended array for cosmic ray detection: The EEE Project. Nuclear Physics, Section B, Proceedings Supplements, 2009, 190, 38-43.	0.5	6
28	ARIMA models application to air pollution data in Monterrey, Mexico. AIP Conference Proceedings, 2018, , .	0.3	6
29	Numerical simulation of acoustic emission activity in reinforced concrete structures by means of finite element modelling at the macroscale. Structural Health Monitoring, 2020, 19, 537-551.	4.3	6
30	Construction and tests of the MRPC detectors for TOF in ALICE. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 658-664.	0.7	5
31	Spatial Information on Voice Generation from a Multi-Channel Electroglottograph. Applied Sciences (Switzerland), 2018, 8, 1560.	1.3	5
32	Exploring the Potential of Web Based Information of Business Popularity for Supporting Sustainable Traffic Management. Transport and Telecommunication, 2020, 21, 47-60.	0.7	5
33	Development of Seasonal ARIMA Models for Traffic Noise Forecasting. MATEC Web of Conferences, 2017, 125, 05013.	0.1	4
34	Comparison of Single Vehicle Noise Emission Models in Simulations and in a Real Case Study by means of Quantitative Indicators. International Journal of Mechanics, 2020, 14, 198-207.	0.2	4
35	Study of QGP signatures with the Ï• â†' K + K â€" signal in Pb-Pb ALICE events. European Physical Journal C, 2006, 45, 669-677.	1.4	3
36	Data quality monitor as the final quality assurance procedure for the ALICE-TOF detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 821-824.	0.7	3

#	Article	IF	Citations
37	Time series analysis techniques applied to transportation noise. , 2017, , .		3
38	A hybrid predictive model for acoustic noise in urban areas based on time series analysis and artificial neural network. AIP Conference Proceedings, 2017, , .	0.3	2
39	Characterization and sources of aromatic hydrocarbons (BTEX) in an urban site of Tijuana, Baja California, Mexico. AIP Conference Proceedings, 2018, , .	0.3	2
40	Validation of Seasonal ARIMA Models on Road Traffic Noise Measurements. MATEC Web of Conferences, 2018, 210, 05001.	0.1	2
41	First commissioning results of ALICE-TOF SuperModules. Indian Journal of Physics, 2011, 85, 1155-1159.	0.9	1
42	Honking noise contribution to road traffic noise prediction. AIP Conference Proceedings, 2018, , .	0.3	1
43	Energy retrofit assessment through automated valuation models: An Italian case study. AIP Conference Proceedings, 2018, , .	0.3	1
44	Special Issue on Modelling, Simulation and Data Analysis in Acoustical Problems. Applied Sciences (Switzerland), 2019, 9, 5261.	1.3	1
45	Short-Term Associations between Morbidity and Air Pollution in Metropolitan Area of Monterrey, Mexico. Atmosphere, 2021, 12, 1352.	1.0	1
46	Quality assurance procedures for the construction of ALICE TOF SuperModules. , 2008, , .		0
47	Tools to monitor the quality of the ALICE-TOF detector data. , 2008, , .		0
48	First detection of extensive air shower with the EEE experiment. , 2009, , .		0
49	Two-particle correlations from RHIC to LHC with a new method based on the fourier transform. Indian Journal of Physics, 2010, 84, 1651-1655.	0.9	0
50	Drinking Water Tank Level Analysis with ARIMA Models: A Case Study. Environmental Sciences Proceedings, 2020, 2, .	0.3	0
51	Latest results from a mass–production sample of MRPCs for the ALICE TOF detector. , 2008, , .		0
52	Prediction of Airport Acoustical Noise by Deterministic Decomposition and Seasonal ARIMA Techniques. Lecture Notes in Electrical Engineering, 2019, , 69-75.	0.3	0