

Virginia Strati

List of Publications by Year in descending order

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42
papers

626
citations

516710

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51
all docs

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docs citations

51
times ranked

807
citing authors

#	ARTICLE	IF	CITATIONS
1	Geoneutrinos and geoscience: an intriguing joint-venture. <i>Rivista Del Nuovo Cimento</i> , 2022, 45, 1-105.	5.7	6
2	Combining Precision Viticulture Technologies and Economic Indices to Sustainable Water Use Management. <i>Water (Switzerland)</i> , 2022, 14, 1493.	2.7	6
3	Embedded readout electronics R&D for the large PMTs in the JUNO experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 985, 164600.	1.6	21
4	An Easily Integrable Industrial System for Gamma Spectroscopic Analysis and Traceability of Stones and Building Materials. <i>Sensors</i> , 2021, 21, 352.	3.8	3
5	Calibration strategy of the JUNO experiment. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	39
6	Editorial: Innovative Methods for Non-invasive Monitoring of Hydrological Processes From Field to Catchment Scale. <i>Frontiers in Water</i> , 2021, 3, .	2.3	0
7	FPGA Implementation of an NCO Based CDR for the JUNO Front-End Electronics. <i>IEEE Transactions on Nuclear Science</i> , 2021, 68, 1952-1960.	2.0	0
8	JUNO sensitivity to low energy atmospheric neutrino spectra. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	11
9	Proximal Gamma-Ray Spectroscopy: An Effective Tool to Discern Rain from Irrigation. <i>Remote Sensing</i> , 2021, 13, 4103.	4.0	3
10	The design and sensitivity of JUNO's scintillator radiopurity pre-detector OSIRIS. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	15
11	Radioactivity control strategy for the JUNO detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	13
12	Neutrino physics with an opaque detector. <i>Communications Physics</i> , 2021, 4, .	5.3	8
13	Correlation of gaseous emissions to water stress in tomato and maize crops: From field to laboratory and back. <i>Sensors and Actuators B: Chemical</i> , 2020, 303, 127227.	7.8	24
14	Soil moisture as a potential variable for tracking and quantifying irrigation: A case study with proximal gamma-ray spectroscopy data. <i>Advances in Water Resources</i> , 2020, 136, 103502.	3.8	33
15	Discriminating irrigation and rainfall with proximal gamma-ray spectroscopy. , 2020, , .		0
16	Rain rate and radon daughters' activity. <i>Atmospheric Environment</i> , 2020, 238, 117728.	4.1	15
17	Geoneutrinos from the rock overburden at SNO+. <i>Journal of Physics: Conference Series</i> , 2020, 1342, 012020.	0.4	1
18	Comprehensive geoneutrino analysis with Borexino. <i>Physical Review D</i> , 2020, 101, .	4.7	42

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19	Distillation and stripping pilot plants for the JUNO neutrino detector: Design, operations and reliability. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 925, 6-17.	1.6	17
20	GIGJ: A Crustal Gravity Model of the Guangdong Province for Predicting the Geoneutrino Signal at the JUNO Experiment. Journal of Geophysical Research: Solid Earth, 2019, 124, 4231-4249.	3.4	16
21	Nanoseconds Timing System Based on IEEE 1588 FPGA Implementation. IEEE Transactions on Nuclear Science, 2019, 66, 1151-1158.	2.0	15
22	Training Future Engineers to Be Ghostbusters: Hunting for the Spectral Environmental Radioactivity. Education Sciences, 2019, 9, 15.	2.6	3
23	Biomass water content effect on soil moisture assessment via proximal gamma-ray spectroscopy. Geoderma, 2019, 335, 69-77.	5.1	25
24	Airborne Gamma-Ray Spectroscopy for Modeling Cosmic Radiation and Effective Dose in the Lower Atmosphere. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 823-834.	6.3	8
25	Charge reconstruction in large-area photomultipliers. Journal of Instrumentation, 2018, 13, P02008-P02008.	1.2	3
26	Investigating the potentialities of Monte Carlo simulation for assessing soil water content via proximal gamma-ray spectroscopy. Journal of Environmental Radioactivity, 2018, 192, 105-116.	1.7	24
27	Modelling Soil Water Content in a Tomato Field: Proximal Gamma Ray Spectroscopy and Soilâ€‘Crop System Models. Agriculture (Switzerland), 2018, 8, 60.	3.1	28
28	Exploring atmospheric radon with airborne gamma-ray spectroscopy. Atmospheric Environment, 2017, 170, 259-268.	4.1	16
29	Perceiving the Crust in 3â€‘D: A Model Integrating Geological, Geochemical, and Geophysical Data. Geochemistry, Geophysics, Geosystems, 2017, 18, 4326-4341.	2.5	10
30	Sustainable Water Management: Sensors for Precision Farming. Proceedings (mdpi), 2017, 1, 780.	0.2	0
31	Accuracy of Flight Altitude Measured with Low-Cost GNSS, Radar and Barometer Sensors: Implications for Airborne Radiometric Surveys. Sensors, 2017, 17, 1889.	3.8	33
32	Geoneutrinos and reactor antineutrinos at SNO+. Journal of Physics: Conference Series, 2016, 718, 062003.	0.4	6
33	Uranium distribution in the Variscan Basement of Northeastern Sardinia. Journal of Maps, 2016, 12, 1029-1036.	2.0	16
34	FIRST STEP TOWARDS THE GEOGRAPHICAL DISTRIBUTION OF INDOOR RADON IN DWELLINGS IN ALBANIA. Radiation Protection Dosimetry, 2016, 172, 488-495.	0.8	12
35	Calibration of HPCe detectors using certified reference materials of natural origin. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 1507-1517.	1.5	20
36	A century of oil and gas exploration in Albania: Assessment of Naturally Occurring Radioactive Materials (NORMs). Chemosphere, 2015, 139, 30-39.	8.2	22

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37	Reference worldwide model for antineutrinos from reactors. <i>Physical Review D</i> , 2015, 91, .	4.7	32
38	Expected geoneutrino signal at JUNO. <i>Progress in Earth and Planetary Science</i> , 2015, 2, .	3.0	13
39	Total natural radioactivity, Veneto (Italy). <i>Journal of Maps</i> , 2015, 11, 545-551.	2.0	16
40	Regional study of the Archean to Proterozoic crust at the Sudbury Neutrino Observatory (SNO+), Ontario: Predicting the geoneutrino flux. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 3925-3944.	2.5	17
41	Total natural radioactivity, Tuscany, Italy. <i>Journal of Maps</i> , 2013, 9, 438-443.	2.0	11
42	A multivariate spatial interpolation of airborne $\hat{\text{I}}^3$ -ray data using the geological constraints. <i>Remote Sensing of Environment</i> , 2013, 137, 1-11.	11.0	23