

Antonio F DÃ-az

List of Publications by Year in descending order

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71
papers

4,486
citations

471509

17
h-index

161849

54
g-index

72
all docs

72
docs citations

72
times ranked

8623
citing authors

#	ARTICLE	IF	CITATIONS
1	Science with Neutrino Telescopes in Spain. Universe, 2022, 8, 89.	2.5	0
2	Evaluating Erasure Codes in Dicoogle PACS. IEEE Access, 2022, 10, 71874-71885.	4.2	0
3	ANTARES Search for Point Sources of Neutrinos Using Astrophysical Catalogs: A Likelihood Analysis. Astrophysical Journal, 2021, 911, 48.	4.5	11
4	KM3NeT Detection Unit Line Fit reconstruction using positioning sensors data. , 2021, , .		1
5	Neutrino non-standard interactions with theKM3NeT/ORCA detector. , 2021, , .		2
6	Architecture and performance of the KM3NeT front-end firmware. Journal of Astronomical Telescopes, Instruments, and Systems, 2021, 7, .	1.8	9
7	Multiprotocol Authentication Device for HPC and Cloud Environments Based on Elliptic Curve Cryptography. Electronics (Switzerland), 2020, 9, 1148.	3.1	1
8	Reliability studies for the White Rabbit Switch in KM3NeT: FIDES and Highly Accelerated Life Tests. Journal of Instrumentation, 2020, 15, C02042-C02042.	1.2	6
9	KM3NeT acquisition: the new version of the Central Logic Board and its related Power Board, with highlights and evolution of the Control Unit. Journal of Instrumentation, 2020, 15, C03024-C03024.	1.2	6
10	Constraining the contribution of Gamma-Ray Bursts to the high-energy diffuse neutrino flux with 10Åyr of ANTARES data. Monthly Notices of the Royal Astronomical Society, 2020, 500, 5614-5628.	4.4	19
11	Measuring the atmospheric neutrino oscillation parameters and constraining the 3+1 neutrino model with ten years of ANTARES data. Journal of High Energy Physics, 2019, 2019, 1.	4.7	16
12	ANTARES Neutrino Search for Time and Space Correlations with IceCube High-energy Neutrino Events. Astrophysical Journal, 2019, 879, 108.	4.5	5
13	Time-energy analysis of multilevel parallelism in heterogeneous clusters: the case of EEG classification in BCI tasks. Journal of Supercomputing, 2019, 75, 3397-3425.	3.6	4
14	Search for Multimessenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during Its First Observing Run, ANTARES, and IceCube. Astrophysical Journal, 2019, 870, 134.	4.5	32
15	Sensitivity of the KM3NeT/ARCA neutrino telescope to point-like neutrino sources. Astroparticle Physics, 2019, 111, 100-110.	4.3	71
16	A Search for Cosmic Neutrino and Gamma-Ray Emitting Transients in 7.3 yr of ANTARES and Fermi LAT Data. Astrophysical Journal, 2019, 886, 98.	4.5	6
17	The search for high-energy neutrinos coincident with fast radio bursts with the ANTARES neutrino telescope. Monthly Notices of the Royal Astronomical Society, 2019, 482, 184-193.	4.4	8
18	Energy-aware load balancing of parallel evolutionary algorithms with heavy fitness functions in heterogeneous CPU-GPU architectures. Concurrency Computation Practice and Experience, 2019, 31, e4688.	2.2	7

#	ARTICLE	IF	CITATIONS
19	KM3NeT front-end and readout electronics system: hardware, firmware, and software. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2019, 5, 1.	1.8	18
20	The SURvey for Pulsars and Extragalactic Radio Bursts “ II. New FRB discoveries and their follow-up. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 1427-1446.	4.4	156
21	All-flavor Search for a Diffuse Flux of Cosmic Neutrinos with Nine Years of ANTARES Data. <i>Astrophysical Journal Letters</i> , 2018, 853, L7.	8.3	41
22	Joint Constraints on Galactic Diffuse Neutrino Emission from the ANTARES and IceCube Neutrino Telescopes. <i>Astrophysical Journal Letters</i> , 2018, 868, L20.	8.3	64
23	The cosmic ray shadow of the Moon observed with the ANTARES neutrino telescope. <i>European Physical Journal C</i> , 2018, 78, 1006.	3.9	14
24	Long-term monitoring of the ANTARES optical module efficiencies using ^{40}K 40 K decays in sea water. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	10
25	Characterisation of the Hamamatsu photomultipliers for the KM3NeT Neutrino Telescope. <i>Journal of Instrumentation</i> , 2018, 13, P05035-P05035.	1.2	25
26	The Search for Neutrinos from TXS 0506+056 with the ANTARES Telescope. <i>Astrophysical Journal Letters</i> , 2018, 863, L30.	8.3	24
27	A Power“Performance Perspective to Multiobjective Electroencephalogram Feature Selection on Heterogeneous Parallel Platforms. <i>Journal of Computational Biology</i> , 2018, 25, 882-893.	1.6	1
28	Prediction of energy consumption in a NSGA-II-based evolutionary algorithm. , 2018, , .		0
29	High-throughput multi-multicast transfers in data center networks. <i>Journal of Supercomputing</i> , 2017, 73, 152-163.	3.6	5
30	Parallel high-dimensional multi-objective feature selection for EEG classification with dynamic workload balancing on CPU“GPU architectures. <i>Cluster Computing</i> , 2017, 20, 1881-1897.	5.0	10
31	Evaluation of redundant data storage in clusters based on multi-multicast and local storage. <i>Journal of Supercomputing</i> , 2017, 73, 576-590.	3.6	2
32	First all-flavor neutrino pointlike source search with the ANTARES neutrino telescope. <i>Physical Review D</i> , 2017, 96, .	4.7	60
33	Multi-messenger Observations of a Binary Neutron Star Merger [*] . <i>Astrophysical Journal Letters</i> , 2017, 848, L12.	8.3	2,805
34	New constraints on all flavor Galactic diffuse neutrino emission with the ANTARES telescope. <i>Physical Review D</i> , 2017, 96, .	4.7	33
35	Intrinsic limits on resolutions in muon- and electron-neutrino charged-current events in the KM3NeT/ORCA detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	22
36	Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. <i>Astrophysical Journal Letters</i> , 2017, 850, L35.	8.3	135

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37	All-sky search for high-energy neutrinos from gravitational wave event GW170104 with the Antares neutrino telescope. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	13
38	An Algorithm for the Reconstruction of Neutrino-induced Showers in the ANTARES Neutrino Telescope. <i>Astronomical Journal</i> , 2017, 154, 275.	4.7	14
39	Secure Data Access in Hadoop Using Elliptic Curve Cryptography. <i>Lecture Notes in Computer Science</i> , 2016, , 136-145.	1.3	2
40	Letter of intent for KM3NeT 2.0. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2016, 43, 084001.	3.6	512
41	A New Scalable Approach for Distributed Metadata in HPC. <i>Lecture Notes in Computer Science</i> , 2016, , 106-117.	1.3	2
42	Leveraging bandwidth improvements to web servers through enhanced network interfaces. <i>Journal of Supercomputing</i> , 2013, 65, 1020-1036.	3.6	1
43	Two-level Hash/Table approach for metadata management in distributed file systems. <i>Journal of Supercomputing</i> , 2013, 64, 144-155.	3.6	8
44	Affinity-Based Network Interfaces for Efficient Communication on Multicore Architectures. <i>Journal of Computer Science and Technology</i> , 2013, 28, 508-524.	1.5	9
45	System performance evaluation by combining RTC and VHDL simulation: A case study on NICs. <i>Journal of Systems Architecture</i> , 2013, 59, 1277-1298.	4.3	6
46	Improving Dynamic Web Servers by Affinity-Based Network Interfaces. , 2011, , .		0
47	Improving IPS by network processors. <i>Journal of Supercomputing</i> , 2011, 57, 99-108.	3.6	2
48	Accelerating network applications by distributed interfaces on heterogeneous multiprocessor architectures. <i>Journal of Supercomputing</i> , 2011, 58, 302-313.	3.6	1
49	Network interfaces for programmable NICs and multicore platforms. <i>Computer Networks</i> , 2010, 54, 357-376.	5.1	5
50	Client cache for PVFS2. , 2010, , .		1
51	Fault tolerant PVFS2 based on data replication. , 2010, , .		2
52	Protocol offload analysis by simulation. <i>Journal of Systems Architecture</i> , 2009, 55, 25-42.	4.3	7
53	A New Offloaded/Onloaded Network Interface for High Performance Communication. , 2009, , .		6
54	A Multi-Threaded Network Interface Using Network Processors. , 2009, , .		4

#	ARTICLE	IF	CITATIONS
55	Improving the Performance of Bandwidth-Demanding Applications by a Distributed Network Interface. Lecture Notes in Computer Science, 2009, , 462-465.	1.3	0
56	Comparison of Onloading and Offloading Strategies to Improve Network Interfaces. , 2008, , .		4
57	Analyzing the benefits of protocol offload by full-system simulation. , 2007, , .		2
58	Swad: Web System for Education Support. , 2007, , 133-142.		6
59	Modeling Network Behaviour By Full-System Simulation. Journal of Software, 2007, 2, .	0.6	4
60	Protocol Offload Evaluation Using Simics. , 2006, , .		9
61	Assessing the Noise Immunity and Generalization of Radial Basis Function Networks. Neural Processing Letters, 2003, 18, 35-48.	3.2	21
62	Multiobjective evolutionary optimization of the size, shape, and position parameters of radial basis function networks for function approximation. IEEE Transactions on Neural Networks, 2003, 14, 1478-1495.	4.2	168
63	XMLP: a Feed-Forward Neural Network with Two-Dimensional Layers and Partial Connectivity. Lecture Notes in Computer Science, 2003, , 89-96.	1.3	5
64	Performance of Message-Passing MATLAB Toolboxes. Lecture Notes in Computer Science, 2003, , 228-242.	1.3	6
65	Parameter Configurations for Hole Extraction in Cellular Neural Networks (CNN). Analog Integrated Circuits and Signal Processing, 2002, 32, 149-155.	1.4	3
66	SHORT-TERM PREDICTION OF CHAOTIC TIME SERIES BY USING RBF NETWORK WITH REGRESSION WEIGHTS. International Journal of Neural Systems, 2000, 10, 353-364.	5.2	10
67	Parallel Coarse Grain Computing of Boltzmann Machines. Neural Processing Letters, 1998, 7, 169-184.	3.2	4
68	Annealing-based heuristics and genetic algorithms for circuit partitioning in parallel test generation. Future Generation Computer Systems, 1998, 14, 439-451.	7.5	12
69	Cmos implementation of a cellular neural network with dynamically alterable cloning templates. , 1991, , 260-267.		1
70	Genetic algorithms and neuro-dynamic programming: application to water supply networks. , 0, , .		1
71	An efficient OS support for communication on Linux clusters. , 0, , .		3