

Jose Luis Bazo Alba

List of Publications by Year in descending order

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95
papers

3,445
citations

101543

36
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56
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97
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97
docs citations

97
times ranked

5974
citing authors

#	ARTICLE	IF	CITATIONS
1	Limits on a Muon Flux from Neutralino Annihilations in the Sun with the IceCube 22-String Detector. Physical Review Letters, 2009, 102, 201302.	7.8	132
2	TIME-INTEGRATED SEARCHES FOR POINT-LIKE SOURCES OF NEUTRINOS WITH THE 40-STRING IceCube DETECTOR. Astrophysical Journal, 2011, 732, 18.	4.5	126
3	IceCube sensitivity for low-energy neutrinos from nearby supernovae. Astronomy and Astrophysics, 2011, 535, A109.	5.1	121
4	MEASUREMENT OF THE ANISOTROPY OF COSMIC-RAY ARRIVAL DIRECTIONS WITH ICECUBE. Astrophysical Journal Letters, 2010, 718, L194-L198.	8.3	119
5	OBSERVATION OF ANISOTROPY IN THE GALACTIC COSMIC-RAY ARRIVAL DIRECTIONS AT 400 TeV WITH ICECUBE. Astrophysical Journal, 2012, 746, 33.	4.5	115
6	Production of charged pions, kaons, and (anti-)protons in Pb-Pb and inelastic pp collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2020, 101, .	2.9	110
7	OBSERVATION OF ANISOTROPY IN THE ARRIVAL DIRECTIONS OF GALACTIC COSMIC RAYS AT MULTIPLE ANGULAR SCALES WITH IceCube. Astrophysical Journal, 2011, 740, 16.	4.5	103
8	Transverse momentum spectra and nuclear modification factors of charged particles in pp, p-Pb and Pb-Pb collisions at the LHC. Journal of High Energy Physics, 2018, 2018, 1.	4.7	97
9	IceCube sensitivity for low-energy neutrinos from nearby supernovae (<i>Corrigendum</i>). Astronomy and Astrophysics, 2014, 563, C1.	5.1	94
10	Multiplicity dependence of light-flavor hadron production in pp collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2019, 99, .	2.9	89
11	Search for a diffuse flux of astrophysical muon neutrinos with the IceCube 40-string detector. Physical Review D, 2011, 84, .	4.7	87
12	Limits on Neutrino Emission from Gamma-Ray Bursts with the 40 String IceCube Detector. Physical Review Letters, 2011, 106, 141101.	7.8	85
13	SEARCH FOR MUON NEUTRINOS FROM GAMMA-RAY BURSTS WITH THE IceCube NEUTRINO TELESCOPE. Astrophysical Journal, 2010, 710, 346-359.	4.5	81
14	Search for dark matter from the Galactic halo with the IceCube Neutrino Telescope. Physical Review D, 2011, 84, .	4.7	79
15	Search for a Lorentz-violating sidereal signal with atmospheric neutrinos in IceCube. Physical Review D, 2010, 82, .	4.7	76
16	Evidence of Spin-Orbital Angular Momentum Interactions in Relativistic Heavy-Ion Collisions. Physical Review Letters, 2020, 125, 012301.	7.8	72
17	Determination of the atmospheric neutrino flux and searches for new physics with AMANDA-II. Physical Review D, 2009, 79, .	4.7	71
18	Constraints on the extremely-high energy cosmic neutrino flux with the IceCube 2008-2009 data. Physical Review D, 2011, 83, .	4.7	68

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19	Multiyear search for dark matter annihilations in the Sun with the AMANDA-II and IceCube detectors. Physical Review D, 2012, 85, .	4.7	66
20	First Observation of an Attractive Interaction between a Proton and a Cascade Baryon. Physical Review Letters, 2019, 123, 112002.	7.8	66
21	Investigations of Anisotropic Flow Using Multiparticle Azimuthal Correlations in $\sqrt{s_{NN}}=2.76$ TeV Pb-Pb Collisions at the LHC. Physical Review Letters, 2017, 119, 242301.	7.8	64
22	Global polarization of Λ and Σ hyperons in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2017, 119, 242301.	2.9	64
23	Energy dependence and fluctuations of anisotropic flow in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ and 2.76 TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	55
24	Global polarization of Λ and Σ hyperons in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2017, 119, 242301.	2.9	55
25	Measurement of D_0 , D^+ , D^{*+} and D^+ production in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	54
26	Probing the Effects of Strong Electromagnetic Fields with Charge-Dependent Directed Flow in Pb-Pb Collisions at the LHC. Physical Review Letters, 2020, 125, 022301.	7.8	49
27	Multiplicity dependence of (multi-)strange hadron production in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	49
28	Elliptic Flow in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2017, 119, 242301.	7.8	45
29	Search for point sources of high energy neutrinos with final data from AMANDA-II. Physical Review D, 2009, 79, .	4.7	44
30	FIRST NEUTRINO POINT-SOURCE RESULTS FROM THE 22 STRING ICECUBE DETECTOR. Astrophysical Journal, 2009, 701, L47-L51.	4.5	43
31	Λ production in pp collisions at $\sqrt{s}=7$ TeV and in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	42
32	Searching for soft relativistic jets in core-collapse supernovae with the IceCube optical follow-up program. Astronomy and Astrophysics, 2012, 539, A60.	5.1	40
33	Anisotropic flow of identified particles in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	40
34	Measurement of Λ production in pp collisions at $\sqrt{s}=7$ TeV and in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	7.8	38
35	DEMONSTRATION OF COMMUNICATION USING NEUTRINOS. Modern Physics Letters A, 2012, 27, 1250077.	1.2	37
36	TIME-DEPENDENT SEARCHES FOR POINT SOURCES OF NEUTRINOS WITH THE 40-STRING AND 22-STRING CONFIGURATIONS OF ICECUBE. Astrophysical Journal, 2012, 744, 1.	4.5	37

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37	Scattering Studies with Low-Energy Kaon-Proton Femtoscopy in Proton-Proton Collisions at the LHC. <i>Physical Review Letters</i> , 2020, 124, 092301.	7.8	37
38	Extending the Search for Neutrino Point Sources with IceCube above the Horizon. <i>Physical Review Letters</i> , 2009, 103, 221102.	7.8	36
39	First search for atmospheric and extraterrestrial neutrino-induced cascades with the IceCube detector. <i>Physical Review D</i> , 2011, 84, .	4.7	34
40	Solar Energetic Particle Spectrum on 2006 December 13 Determined by IceTop. <i>Astrophysical Journal</i> , 2008, 689, L65-L68.	4.5	32
41	Neutral pion and η meson production in $\sqrt{s_{NN}}$ Pb collisions at $\sqrt{s_{NN}}$. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	31
42	Measurements of inclusive jet spectra in $\sqrt{s_{NN}}$ central Pb-Pb collisions at $\sqrt{s_{NN}} = 0.16$ TeV. <i>Physical Review C</i> , 2020, 101, .	2.9	29
43	First search for extremely high energy cosmogenic neutrinos with the IceCube Neutrino Observatory. <i>Physical Review D</i> , 2010, 82, .	4.7	28
44	SEARCH FOR HIGH-ENERGY MUON NEUTRINOS FROM THE γ -RAY GRB 080319B WITH THE IceCube NEUTRINO TELESCOPE. <i>Astrophysical Journal</i> , 2009, 701, 1721-1731.	4.5	27
45	Search for relativistic magnetic monopoles with the AMANDA-II neutrino telescope. <i>European Physical Journal C</i> , 2010, 69, 361-378.	3.9	26
46	Prompt D_0 , D^+ , and D^{*+} production in $\sqrt{s_{NN}} = 5.02$ TeV Pb-Pb collisions. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	4.7	23
47	Medium modification of the shape of small-radius jets in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	20
48	Production of the η meson in $\sqrt{s_{NN}}$ central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2019, 99, .	2.9	20
49	Resonance production in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2019, 99, .	2.9	20
50	Direct photon production at low transverse momentum in proton-proton collisions at $\sqrt{s} = 2.76$ and 8 TeV. <i>Physical Review C</i> , 2019, 99, .	2.9	19
51	Azimuthal Anisotropy of Heavy-Flavor Decay Electrons in $\sqrt{s_{NN}}$ Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2019, 123, 072301.	7.8	18
52	Measurement of prompt D_0 , D^+ , D^{*+} , and D^s production in $\sqrt{s_{NN}} = 5.02$ TeV Pb-Pb collisions. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	18
53	Limits on a muon flux from Kaluza-Klein dark matter annihilations in the Sun from the IceCube 22-string detector. <i>Physical Review D</i> , 2010, 81, .	4.7	17
54	Prompt and non-prompt $\psi(2S)$ production and nuclear modification at mid-rapidity in $\sqrt{s_{NN}} = 5.02$ TeV Pb-Pb collisions. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	16

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55	Event-Shape Engineering for the D-meson elliptic flow in mid-central Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	16
56	Production of (anti-)He3 and (anti-)H3 in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Physical Review C, 2020, 101, .	2.9	16
57	$K^*(892)0$ and $\bar{K}^*(1020)$ production at midrapidity in pp collisions at $\sqrt{s}=8$ TeV. Physical Review C, 2020, 102, .	2.9	15
58	Higher harmonic non-linear flow modes of charged hadrons in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	15
59	Constraining the Chiral Magnetic Effect with charge-dependent azimuthal correlations in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ and 5.02 TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	15
60	J/ψ elliptic and triangular flow in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14
61	Inclusive J/ψ production at mid-rapidity in pp collisions at $\sqrt{s}=5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
62	NEUTRINO ANALYSIS OF THE 2010 SEPTEMBER CRAB NEBULA FLARE AND TIME-INTEGRATED CONSTRAINTS ON NEUTRINO EMISSION FROM THE CRAB USING ICECUBE. Astrophysical Journal, 2012, 745, 45.	4.5	13
63	Neutral pion and η meson production at midrapidity in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Physical Review C, 2018, 98, .	2.9	13
64	Measurement of the inclusive J/ψ polarization at forward rapidity in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	13
65	Measurement of the Low-Energy Antideuteron Inelastic Cross Section. Physical Review Letters, 2020, 125, 162001.	7.8	13
66	Studies of J/ψ production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	13
67	Charged-particle pseudorapidity density at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=8.16$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	12
68	Study of J/ψ azimuthal anisotropy at forward rapidity in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	12
69	SEARCHES FOR PERIODIC NEUTRINO EMISSION FROM BINARY SYSTEMS WITH 22 AND 40 STRINGS OF ICECUBE. Astrophysical Journal, 2012, 748, 118.	4.5	11
70	Measurement of the production of charm jets tagged with D0 mesons in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	11
71	Coherent photoproduction of $\eta(549)$ vector mesons in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	11
72	Underlying event properties in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	11

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73	Two-particle differential transverse momentum and number density correlations in p -Pb collisions at 5.02 TeV and Pb-Pb collisions at 2.76 TeV at the CERN Large Hadron Collider. <i>Physical Review C</i> , 2019, 100, .	2.9	10
74	Event-shape and multiplicity dependence of freeze-out radii in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	9
75	Constraints on high-energy neutrino emission from SN 2008D. <i>Astronomy and Astrophysics</i> , 2011, 527, A28.	5.1	8
76	Inclusive J/ψ production at forward and backward rapidity in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	8
77	Measurement of the inclusive isolated photon production cross section in p -Pb collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	8
78	Measurements of low- p_T electrons from semileptonic heavy-flavour hadron decays at mid-rapidity in pp and Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	7
79	Three-dimensional charged-baryon femtometry in p -Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Physical Review Letters</i> , 2019, 123, 022301.	2.9	7
80	Elliptic and triangular flow of (anti)deuterons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2020, 102, .	2.9	7
81	Laser spot measurement using simple devices. <i>AIP Advances</i> , 2021, 11, 075016.	1.3	7
82	Dielectron production in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	6
83	Measurement of nuclear effects on $\Upsilon(2S)$ production in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	6
84	Jet fragmentation transverse momentum measurements from di-hadron correlations in $\sqrt{s} = 7$ TeV pp and $\sqrt{s_{NN}} = 5.02$ TeV p-Pb collisions. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	5
85	Z-boson production in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV and Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	5
86	Production of muons from heavy-flavour hadron decays in pp collisions at $\sqrt{s} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	4
87	J/ψ production as a function of charged-particle multiplicity in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	4
88	Measurement of electrons from heavy-flavour hadron decays as a function of multiplicity in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	4
89	Jet-hadron correlations measured relative to the second order event plane in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2020, 101, .	2.9	4
90	Dielectron production in proton-proton and proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Physical Review C</i> , 2020, 102, .	2.9	4

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91	Non-linear flow modes of identified particles in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
92	ϕ meson production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ s NN. European Physical Journal C, 2018, 78, 1. Measurement of isolated photon-hadron correlations in xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mi>NN</mml:mi></mml:msub></mml:msqrt>	3.9	3
93	= 5.02 TeV xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:mrow> ³ and xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi></mml:math> -Pb collisions. Physical Review C, 2020, 102, .	2.9	3
94	In-flight performance of the AMS-02 silicon tracker. Journal of Physics: Conference Series, 2013, 409, 012032.	0.4	2
95	Search for sources of astrophysical neutrinos with IceCube. , 2008, , .		0