

Themistocles Bowcock

List of Publications by Year in descending order

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70
papers

2,689
citations

212478

28
h-index

206121

51
g-index

73
all docs

73
docs citations

73
times ranked

1459
citing authors

#	ARTICLE	IF	CITATIONS
1	The HEV Ventilator: at the interface between particle physics and biomedical engineering. Royal Society Open Science, 2022, 9, 211519.	1.1	1
2	AION: an atom interferometer observatory and network. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 011-011.	1.9	196
3	The upgrade I of LHCb VELO towards an intelligent monitoring platform. Journal of Instrumentation, 2020, 15, C06009-C06009.	0.5	2
4	Radiation Damage Effects and Operation of the LHCb Vertex Locator. IEEE Transactions on Nuclear Science, 2018, 65, 1127-1132.	1.2	1
5	A storage ring experiment to detect a proton electric dipole moment. Review of Scientific Instruments, 2016, 87, 115116.	0.6	85
6	The Measurement of the Anomalous Magnetic Moment of the Muon at Fermilab. Journal of Physical and Chemical Reference Data, 2015, 44, .	1.9	17
7	First spatial alignment of the LHCb VELO and analysis of beam absorber collision data. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 618, 108-120.	0.7	7
8	First LHC beam induced tracks reconstructed in the LHCb VELO. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 604, 1-4.	0.7	39
9	Fabrication and characterisation of high resistivity SOI substrates for monolithic high energy physics detectors. Solid-State Electronics, 2008, 52, 1849-1853.	0.8	2
10	Circular geometry mos transistor analysis of SOI substrates for high energy physics particle detectors. , 2008, , .		0
11	Characterisation of an inhomogeneously irradiated microstrip detector using a fine spot infrared laser. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 512, 60-70.	0.7	2
12	Performance of an irradiated LHCb prototype p-on-n silicon microstrip detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 478, 291-295.	0.7	4
13	Cryogenic operation of silicon detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 447, 151-159.	0.7	4
14	Charge collection efficiency and resolution of an irradiated double-sided silicon microstrip detector operated at cryogenic temperatures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 440, 17-37.	0.7	15
15	The LHCb vertex detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 435, 65-73.	0.7	8
16	Tracking with heavily irradiated silicon detectors operated at cryogenic temperatures. IEEE Transactions on Nuclear Science, 1999, 46, 228-231.	1.2	3
17	Report of the working group on the measurement of triple gauge boson couplings. Journal of Physics C: Nuclear and Particle Physics, 1998, 24, 405-419.	1.4	9
18	The CLEO II detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1992, 320, 66-113.	0.7	589

#	ARTICLE	IF	CITATIONS
19	Study of $\Upsilon(3S)$ transitions from the $\Upsilon(3S)$ and a search for the η_c . Physical Review D, 1991, 43, 1448-1458.	1.6	32
20	Measurement of $\Gamma(3P)$ widths of charmonium states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 243, 169-174.	1.5	23
21	Radiative $\Upsilon(1S)$ decays. Physical Review D, 1990, 41, 1401-1409.	1.6	7
22	P-wave charmed mesons in e^+e^- annihilation. Physical Review D, 1990, 41, 774-779.	1.6	52
23	Observation of $\Upsilon(4S)$ decays into non- $B\bar{B}$ final states containing Υ mesons. Physical Review Letters, 1990, 64, 2226-2229.	2.9	20
24	Observation of B-meson semileptonic decays to noncharmed final states. Physical Review Letters, 1990, 64, 16-20.	2.9	182
25	Exclusive and inclusive decays of B mesons into D mesons. Physical Review Letters, 1990, 64, 2117-2120.	2.9	28
26	Search for neutrinoless decays of the η_c , lepton. Physical Review D, 1990, 41, 805-808.	1.6	14
27	Determination of $B(D_s \rightarrow \Upsilon \ell^+ \ell^-)$ via observation of $D_s \rightarrow \Upsilon \ell^+ \ell^-$. Physical Review Letters, 1990, 65, 1531-1534.	2.9	30
28	Search for a neutral Higgs boson in B-meson decay. Physical Review D, 1989, 40, 712-720.	1.6	17
29	Study of the decay $B^0 \rightarrow D^+ \ell^- \bar{\nu}_\ell$. Physical Review Letters, 1989, 63, 1667-1670.	2.9	48
30	Search for Υ transitions in exclusive hadronic B-meson decays. Physical Review Letters, 1989, 62, 2436-2439.	2.9	31
31	Measurement of the muonic branching fractions of the $\Upsilon(1S)$ and $\Upsilon(3S)$. Physical Review D, 1989, 39, 3528-3531.	1.6	7
32	Search for the production of fractionally charged particles in e^+e^- annihilations at $s=10.5\text{GeV}$. Physical Review D, 1989, 40, 263-266.	1.6	5
33	Search for the Charmless Decays $B^0 \rightarrow \rho^+ \rho^-$ and $\rho^0 \rho^0$. Physical Review Letters, 1989, 62, 8-11.	2.9	34
34	Υ_c and Υ_c' production from e^+e^- annihilation in the Υ energy region. Physical Review Letters, 1989, 62, 1240-1242.	2.9	16
35	B^0 mixing at the $\Upsilon(4S)$. Physical Review Letters, 1989, 62, 2233-2236.	2.9	134
36	Observation of the Charmed Strange Baryon Λ_c^0 . Physical Review Letters, 1989, 62, 863-865.	2.9	34

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37	Measurement of Ds decay modes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 226, 192-196.	1.5	19
38	Measurement of the isospin mass splitting $\hat{z}+c\hat{z}0c$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 226, 401-404.	1.5	24
39	First observation of inclusive \hat{r} production in \hat{r} decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 224, 445-449.	1.5	22
40	A search for exclusive penguin decays of B mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 223, 470-475.	1.5	40
41	Charm production in nonresonante+e \hat{a} annihilations at $\hat{s} = 10.55$ GeV. Physical Review D, 1988, 37, 1719-1743.	1.6	87
42	Investigation of the total charm-pair cross section in nonresonante+e \hat{a} annihilations at $\hat{s} = 10.5$ GeV. Physical Review D, 1988, 38, 2679-2686.	1.6	2
43	Upper limits on charm-changing neutral-current interactions. Physical Review Letters, 1988, 60, 1614-1617.	2.9	17
44	Search for magnetically charged particles produced in e+e \hat{a} annihilations at $\hat{s} = 10.6$ GeV. Physical Review D, 1987, 35, 1081-1084.	1.6	5
45	Production of \hat{f} and \hat{l} mesons in \hat{l} decay and a search for second-class currents. Physical Review Letters, 1987, 59, 1993-1996.	2.9	20
46	Branching ratios of B mesons to K+, K \hat{a} , and K0/K \hat{A} 0. Physical Review Letters, 1987, 58, 1814-1817.	2.9	22
47	Study of $\hat{e}+\hat{l}\hat{a}$ transitions from the $\hat{\Psi}(3S)$. Physical Review Letters, 1987, 58, 307-310.	2.9	47
48	Evidence for charmed baryons in B-meson decay. Physical Review Letters, 1987, 59, 22-25.	2.9	35
49	Exclusive decays and masses of the B mesons. Physical Review D, 1987, 36, 1289-1301.	1.6	39
50	$\hat{r}^+(b\hat{a}\hat{t}^+u\hat{l}1/2)/\hat{r}^+(b\hat{a}\hat{t}^+c\hat{l}1/2)$ from the end point of the lepton momentum spectrum in semileptonic B decay. Physical Review Letters, 1987, 59, 407-410.	2.9	78
51	Measurement of the tau lifetime. Physical Review D, 1987, 36, 690-701.	1.6	24
52	Inclusive B-meson decays into charm. Physical Review D, 1987, 35, 19-26.	1.6	33
53	Limits on B0B \hat{A} 0 mixing and $\hat{\epsilon}$. Physical Review Letters, 1987, 58, 183-186.	2.9	64
54	Improved upper limit on flavor-changing neutral-current decays of the b quark. Physical Review D, 1987, 35, 3533-3536.	1.6	40

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55	Limit on the mass of the tau neutrino. Physical Review D, 1987, 35, 2747-2751.	1.6	3
56	Measurement of the D_0 , D^+ and D_s^+ meson lifetimes at $\sqrt{s} = 10.58$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 191, 318-322.	1.5	10
57	Limits on rare exclusive decays of B mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 183, 429-433.	1.5	48
58	Measurement of the Direct Photon Spectrum from the $\Upsilon(1S)$. Physical Review Letters, 1986, 56, 1222-1225.	2.9	29
59	Study of the decay $B \rightarrow \tau^+ X$. Physical Review D, 1986, 34, 3279-3285.	1.6	28
60	Exclusive radiative $\Upsilon(1S)$ decays. Physical Review D, 1986, 34, 905-908.	1.6	3
61	Inclusive τ^+ production in B-meson decay. Physical Review Letters, 1986, 56, 800-803.	2.9	7
62	Decay $D_0 \rightarrow \tau^+ K^0$. Physical Review Letters, 1986, 56, 1893-1896.	2.9	38
63	Upper Limits for the Production of Light Short-Lived Neutral Particles in Radiative Υ decay. Physical Review Letters, 1986, 56, 2676-2679.	2.9	37
64	Observation of the decay $B \rightarrow \tau^+ X$. Physical Review Letters, 1986, 56, 2781-2784.	2.9	19
65	Search for monoenergetic photons from $\Upsilon(1S) \rightarrow \tau^+ \tau^- + X$. Physical Review D, 1986, 33, 300-302.	1.6	8
66	The UA1 calorimeter trigger. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1985, 238, 288-306.	0.7	22
67	τ^+ production from e^+e^- annihilation in the Υ Energy Region. Physical Review Letters, 1985, 55, 923-926.	2.9	23
68	Bose-Einstein correlations in e^+e^- annihilations in the Υ region. Physical Review D, 1985, 32, 2294-2302.	1.6	28
69	New determination of the Michel parameter in tau decay. Physical Review D, 1985, 32, 2468-2470.	1.6	17
70	Decay $B \rightarrow \tau^+ X$. Physical Review Letters, 1985, 55, 1248-1251.	2.9	32