

E Blucher

List of Publications by Year in descending order

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71
papers

9,527
citations

136950

32
h-index

85541

71
g-index

71
all docs

71
docs citations

71
times ranked

11967
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of Particle Physics. Physical Review D, 2018, 98, .	4.7	5,390
2	Indication of Reactor $\bar{\nu}_e$ disappearance in the Double Chooz Experiment. Physical Review Letters, 2012, 108, 131801.	7.8	979
3	Observation of Direct CP Violation in $K_S^0 \rightarrow \pi^0 \ell^+ \ell^-$ Decays. Physical Review Letters, 1999, 83, 22-27.	7.8	323
4	Reactor $\bar{\nu}_e$ disappearance in the Double Chooz experiment. Physical Review D, 2012, 86, .	4.7	275
5	Volume I. Introduction to DUNE. Journal of Instrumentation, 2020, 15, T08008-T08008.	1.2	168
6	Measurements of direct CP violation, CPT symmetry, and other parameters in the neutral kaon system. Physical Review D, 2003, 67, .	4.7	147
7	B^0 mixing at the $\Upsilon(4S)$. Physical Review Letters, 1989, 62, 2233-2236.	7.8	134
8	Search for the Decay $K_L \rightarrow \pi^0 \pi^+ \pi^-$. Physical Review Letters, 2000, 84, 5279-5282.	7.8	125
9	Search for the Rare Decay $K_L \rightarrow \pi^0 e^+ e^-$. Physical Review Letters, 2004, 93, 021805.	7.8	98
10	Charm production in nonresonant e^+e^- annihilations at $\sqrt{s} = 10.55$ GeV. Physical Review D, 1988, 37, 1719-1743.	4.7	87
11	First measurement of $\langle \sigma_{\text{th}} \rangle$ from delayed neutron capture on hydrogen in the Double Chooz experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 66-70.	4.1	84
12	$\Gamma(\bar{b} \rightarrow \bar{u} \ell^+ \nu_\ell) / \Gamma(\bar{b} \rightarrow \bar{c} \ell^+ \nu_\ell)$ from the end point of the lepton momentum spectrum in semileptonic B decay. Physical Review Letters, 1987, 59, 407-410.	7.8	78
13	Observation of CP Violation in $K_L \rightarrow \pi^+ \pi^- e^+ e^-$ Decays. Physical Review Letters, 2000, 84, 408-411.	7.8	70
14	Precise measurements of direct CP violation, C violation, P violation, T symmetry, and other parameters in the neutral kaon system. Physical Review D, 2011, 83, .	4.7	70
15	First results on ProtoDUNE-SP liquid argon time projection chamber performance from a beam test at the CERN Neutrino Platform. Journal of Instrumentation, 2020, 15, P12004-P12004.	1.2	69
16	Prospects for beyond the Standard Model physics searches at the Deep Underground Neutrino Experiment. European Physical Journal C, 2021, 81, 322.	3.9	69
17	Limits on B^0 mixing and θ_{13} . Physical Review Letters, 1987, 58, 183-186.	7.8	64
18	Supernova neutrino burst detection with the Deep Underground Neutrino Experiment. European Physical Journal C, 2021, 81, 1.	3.9	62

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19	A Determination of the Cabibbo-Kobayashi-Maskawa Parameter $ V_{us} $ Using KL Decays. Physical Review Letters, 2004, 93, 181802.	7.8	53
20	Measurement of the KL Charge Asymmetry. Physical Review Letters, 2002, 88, 181601.	7.8	48
21	Study of $\epsilon \rightarrow \pi^0 \gamma$ transitions from the $\Upsilon(3S)$. Physical Review Letters, 1987, 58, 307-310.	7.8	47
22	Search for the decay $KL \rightarrow \pi^0 \pi^0 \pi^0$ using $\pi^0 \rightarrow e^+ e^- \gamma$. Physical Review D, 2000, 61, .	4.7	47
23	Measurements of KL branching fractions and the CP violation parameter $ \hat{\Gamma} + \hat{\alpha}^2 $. Physical Review D, 2004, 70, .	4.7	45
24	Production and decay of charmed mesons at the Z resonance. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 266, 218-230.	4.1	43
25	First test of Lorentz violation with a reactor-based antineutrino experiment. Physical Review D, 2012, 86, .	4.7	41
26	Improved upper limit on flavor-changing neutral-current decays of the b quark. Physical Review D, 1987, 35, 3533-3536.	4.7	40
27	Exclusive decays and masses of the B mesons. Physical Review D, 1987, 36, 1289-1301.	4.7	39
28	Final results from the $KTeV$ experiment on the decay $K_L \rightarrow \pi^0 \pi^0 \pi^0$. Physical Review D, 2008, 77, .	4.7	39
29	Decay $D^0 \rightarrow \pi^+ K^-$. Physical Review Letters, 1986, 56, 1893-1896.	7.8	38
30	Evidence for charmed baryons in B -meson decay. Physical Review Letters, 1987, 59, 22-25.	7.8	35
31	Measurement of the Decay $KL \rightarrow \pi^0 \pi^0 \pi^0$. Physical Review Letters, 1999, 83, 917-921.	7.8	35
32	Inclusive B -meson decays into charm. Physical Review D, 1987, 35, 19-26.	4.7	33
33	Decay $B^0 \rightarrow \pi^+ X^-$. Physical Review Letters, 1985, 55, 1248-1251.	7.8	32
34	Study of $\epsilon \rightarrow \pi^0 \gamma$ transitions from the $\Upsilon(3S)$ and a search for the hb . Physical Review D, 1991, 43, 1448-1458.	4.7	32
35	Measurements of mean lifetime and branching fractions of b hadrons decaying to J/ψ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 295, 396-408.	4.1	32
36	Search for $b \rightarrow u$ transitions in exclusive hadronic B -meson decays. Physical Review Letters, 1989, 62, 2436-2439.	7.8	31

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37	Measurement of B- mixing at the Z. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 258, 236-246.	4.1	30
38	Study of the decay $B \rightarrow X$. Physical Review D, 1986, 34, 3279-3285.	4.7	28
39	Measurement of mixing at the Z using a jet-charge method. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 284, 177-190.	4.1	27
40	Search for the Weak Decay of a Lightly Bound HD Dibaryon. Physical Review Letters, 2000, 84, 2593-2597.	7.8	26
41	Search for the Decay $KL \rightarrow \pi^0 e^+ e^-$. Physical Review Letters, 2001, 86, 397-401.	7.8	25
42	Measurement of the tau lifetime. Physical Review D, 1987, 36, 690-701.	4.7	24
43	Branching ratios of B mesons to K^+ , K^0 , and K^0/\bar{K}^0 . Physical Review Letters, 1987, 58, 1814-1817.	7.8	22
44	First observation of inclusive $\bar{\chi}$ production in $\bar{\chi}$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 224, 445-449.	4.1	22
45	Measurement of the B hadron lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 257, 492-504.	4.1	22
46	Measurement of the Branching Fraction of the Decay $KL \rightarrow \pi^+ \pi^- e^+ e^-$. Physical Review Letters, 1998, 80, 4123-4126.	7.8	21
47	Direct measurement of backgrounds using reactor-off data in Double Chooz. Physical Review D, 2013, 87, .	4.7	21
48	Design, construction and operation of the ProtoDUNE-SP Liquid Argon TPC. Journal of Instrumentation, 2022, 17, P01005.	1.2	21
49	Observation of the decay $B \rightarrow FX$. Physical Review Letters, 1986, 56, 2781-2784.	7.8	19
50	Measurement of Ds decay modes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 226, 192-196.	4.1	19
51	Upper limits on charm-changing neutral-current interactions. Physical Review Letters, 1988, 60, 1614-1617.	7.8	17
52	Search for a neutral Higgs boson in B-meson decay. Physical Review D, 1989, 40, 712-720.	4.7	17
53	Measurements of the Rare Decay $KL \rightarrow e^+ e^- e^+ e^-$. Physical Review Letters, 2001, 86, 5425-5429.	7.8	17
54	Measurement of the K^0 Charge Radius and a CP-Violating Asymmetry, and a Search for CP-Violating $E1$ Direct Photon Emission in the Rare Decay $KL \rightarrow \pi^+ \pi^- e^+ e^-$. Physical Review Letters, 2006, 96, 101801.	7.8	17

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55	Study of the $K_L \rightarrow \pi^0 \pi^0$ Direct Emission Vertex. Physical Review Letters, 2001, 86, 761-764.	7.8	16
56	Measurements of the branching fraction and decay distributions for $K_L \rightarrow \pi^0 \pi^0$ and $K_L \rightarrow \pi^0 \pi^0$. Physical Review D, 2005, 71, .	4.7	14
57	Measurement of the Branching Ratio of $K_L \rightarrow \pi^0 \pi^0$ Using $K_L \rightarrow \pi^0 \pi^0$ Decays in Flight. Physical Review Letters, 1999, 83, 922-925.	7.8	13
58	Search for the $K_L \rightarrow \pi^0 \pi^0$ Decay in the KTeV Experiment. Physical Review Letters, 2002, 89, 211801.	7.8	13
59	Dispersive analysis of $K_L \rightarrow \pi^0 \pi^0$ scalar and vector form factors using KTeV data. Physical Review D, 2010, 81, .	4.7	12
60	Radiative Decay Width Measurements of Neutral Kaon Excitations Using the Primakoff Effect. Physical Review Letters, 2002, 89, 072001.	7.8	8
61	Measurement of the muonic branching fractions of the $K_S(1S)$ and $K_S(3S)$. Physical Review D, 1989, 39, 3528-3531.	4.7	7
62	Evidence for the decay $K_L \rightarrow \pi^0 \pi^0$. Physical Review D, 2000, 62, .	4.7	7
63	Characterization of the spontaneous light emission of the PMTs used in the Double Chooz experiment. Journal of Instrumentation, 2016, 11, P08001-P08001.	1.2	6
64	Scintillation light detection in the 6-m drift-length ProtoDUNE Dual Phase liquid argon TPC. European Physical Journal C, 2022, 82, .	3.9	6
65	First Observation of the Decay $K_L \rightarrow \pi^0 \pi^0$. Physical Review Letters, 2001, 87, .	7.8	5
66	Measurement of the decay $K_L \rightarrow \pi^0 \pi^0$. Physical Review D, 2007, 76, .		
67	Search for signatures of sterile neutrinos with Double Chooz. European Physical Journal C, 2021, 81, 1.	3.9	5
68	Searching for solar KDAR with DUNE. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 065.	5.4	5
69	First Observation of $K_L \rightarrow \pi^0 \pi^0$. Physical Review Letters, 2007, 99, 081803.	7.8	3
70	Low exposure long-baseline neutrino oscillation sensitivity of the DUNE experiment. Physical Review D, 2022, 105, .	4.7	3
71	Investigation of the total charm-pair cross section in nonresonant e^+e^- annihilations at $\sqrt{s} = 10.5 \text{ GeV}$. Physical Review D, 1988, 38, 2679-2686.	4.7	2