

Augustin Kasser

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

106
papers

2,386
citations

28
h-index

40
g-index

106
ext. papers

2,438
ext. citations

4.1
avg. IF

-0.09
L-index

#	Paper	IF	Citations
106	Measurement of the $e^+e^- \rightarrow b\bar{b}$ forward-backward asymmetry and the B^0B^0 mixing parameter using prompt leptons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 448, 152-162	4.2	11
105	Heavy quarkonium production in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 453, 94-106	4.2	12
104	Measurement of the spectroscopy of orbitally excited B mesons at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 465, 323-334	4.2	21
103	Measurement of τ polarisation at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 429, 387-398	4.2	12
102	Determination of the number of light neutrino species from single photon production at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 431, 199-208	4.2	19
101	Measurement of the anomalous magnetic and electric dipole moments of the tau lepton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 434, 169-179	4.2	49
100	Photon structure functions and azimuthal correlations of lepton pairs in tagged collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 438, 363-378	4.2	10
99	Measurement of $\chi(958)$ formation in two-photon collisions at LEP1. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 418, 399-410	4.2	73
98	Measurement of the average lifetime of b-hadrons in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 416, 220-232	4.2	10
97	Measurement of the weak dipole moments of the τ lepton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 426, 207-216	4.2	18
96	Angular multiplicity fluctuations in hadronic Z decays and comparison to QCD models and analytical calculations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 428, 186-196	4.2	12
95	Local multiplicity fluctuations in hadronic Z decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 429, 375-386	4.2	4
94	Measurement of the inclusive charmless semileptonic branching fraction of beauty hadrons and a determination of $ V_{ub} $ at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 436, 174-186	4.2	32
93	Study of the hadronic photon structure function F_2^h at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 436, 403-416	4.2	43
92	Measurement of the Michel parameters and the average tau-neutrino helicity from tau decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 438, 405-416	4.2	1
91	Upper limit on the lifetime difference of short- and long-lived B^0 s mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 438, 417-429	4.2	12
90	Measurement of the effective weak mixing angle by jet-charge asymmetry in hadronic decays of the Z boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 439, 225-236	4.2	13

89	Measurement of inclusive \bar{c} and c production in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 393, 465-476	4.2	15
88	Study of hadronic events and measurements of \bar{c} between 30 and 91 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 411, 339-353	4.2	16
87	Search for anomalous four-jet events in e^+e^- annihilation at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 411, 330-338	4.2	1
86	Search for heavy neutral and charged leptons in e^+e^- annihilation at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 412, 189-200	4.2	8
85	Hard-photon production at and 172 GeV at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 413, 159-166	4.2	9
84	Search for neutral B meson decays to two charged leptons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 391, 474-480	4.2	14
83	Search for exclusive B decays to J and $\bar{c}b$ \bar{D} with the L3 detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 391, 481-490	4.2	5
82	Study of the weak charged hadronic current in b decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 393, 477-486	4.2	
81	Measurement of α_s and a new limit for α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 396, 327-337	4.2	56
80	Search for excited leptons in e^+e^- annihilation at $\sqrt{s}=161$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 401, 139-149	4.2	10
79	Production of single W bosons at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 403, 168-176	4.2	17
78	QCD studies and determination of \bar{c} in e^+e^- collisions at and 172 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 404, 390-402	4.2	32
77	Inclusive J, \bar{c} and c production in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 407, 351-360	4.2	2
76	Measurement of W-pair cross sections in e^+e^- interactions at and W-decay branching fractions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 407, 419-431	4.2	10
75	K_S^0 and \bar{c} production in quark and gluon jets at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 407, 389-401	4.2	16
74	Cross section of hadron production in e^+e^- collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 408, 450-464	4.2	39
73	Upsilon production in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 413, 167-175	4.2	2
72	Resonance formation in the $\bar{c}c$ final state in two-photon collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 413, 147-158	4.2	17

71	Neutral-current four-fermion production in e^+e^- interactions at 130 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 413, 191-200	4.2	3
70	Search for R-parity breaking sneutrino exchange at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 414, 373-381	4.2	9
69	Measurement of the branching ratios $b \rightarrow c\bar{c}s$, $b \rightarrow c\bar{c}d$, $b \rightarrow c\bar{s}c$ and $b \rightarrow c\bar{d}c$. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996 , 71, 379-389		2
68	Measurement of hadron and lepton-pair production at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 370, 195-210	4.2	25
67	Search for excited leptons in e^+e^- annihilation at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 370, 211-221	4.2	16
66	Measurement of τ production in two and three-jet events from hadronic Z decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 371, 126-136	4.2	10
65	Study of the structure of hadronic events and determination of β at $s = 130$ GeV and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 371, 137-148	4.2	40
64	Search for supersymmetric particles at 130 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 377, 289-303	4.2	25
63	Measurement of the Michel parameters and the average τ neutrino helicity from τ decays in $e^+e^- \rightarrow \tau^+\tau^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 377, 313-324	4.2	15
62	Observation of multiple hard photon final states at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 384, 323-332	4.2	10
61	Measurement of the B_d^0 meson oscillation frequency. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 383, 487-498	4.2	10
60	Search for neutral Higgs boson production through the process $e^+e^- \rightarrow \gamma^* H^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 385, 454-470	4.2	44
59	Search for new particles in hadronic events with isolated photons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 388, 409-418	4.2	11
58	Measurement of the lifetime of the tau lepton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 389, 187-196	4.2	3
57	Energy and particle flow in three-jet and radiative two-jet events from hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 345, 74-84	4.2	10
56	Measurement of exclusive branching fractions of hadronic one-prong tau decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 345, 93-102	4.2	14
55	Measurement of energetic single-photon production at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 346, 190-198	4.2	28
54	Search for neutralinos in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 350, 109-119	4.2	43

53	Measurement of the weak charged current structure in semileptonic b-hadron decays at the Z peak. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 351, 375-386	4.2	9
52	One-prong τ decays with neutral kaons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 352, 487-497	4.2	14
51	Tests of QED at LEP energies using $e^+e^- \rightarrow \mu^+\mu^-$ and $e^+e^- \rightarrow \tau^+\tau^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 353, 136-144	4.2	25
50	Evidence for gluon interference in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 353, 145-154	4.2	11
49	Study of the $K_S^0 K_S^0$ final state in two-photon collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 363, 118-126	4.2	16
48	Search for neutral charmless B decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 363, 127-136	4.2	20
47	Search for the decays $B_d^0 \rightarrow \mu^+\mu^-$ and $B_s^0 \rightarrow \mu^+\mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 363, 137-144	4.2	12
46	B^* production in Z decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 345, 589-597	4.2	24
45	Search for anomalous Z $\rightarrow \mu^+\mu^-$ events at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 345, 609-616	4.2	40
44	A measurement of τ polarization at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 341, 245-256	4.2	28
43	Measurement of the B_D^0 mixing parameter and the forward-backward asymmetry. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 335, 542-553	4.2	17
42	Measurement of inclusive production of neutral hadrons from Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 328, 223-233	4.2	51
41	A study of four-fermion processes at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 321, 283-294	4.2	8
40	Measurement of the inclusive $b \rightarrow \bar{c}$ branching ratio. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 332, 201-208	4.2	24
39	Measurement of cross sections and leptonic forward-backward asymmetries at the Z pole and determination of electroweak parameters. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1994 , 62, 551-573		50
38	Measurement of τ from hadronic decays of the Z. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 307, 237-246	4.2	36
37	Search for lepton flavour violation in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 316, 427-434	4.2	31
36	Determination of quark electroweak couplings from direct photon production in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 301, 136-144	4.2	11

35	Determination of the effective electroweak mixing angle from Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 309, 451-462	4.2	1
34	Measurement of the average lifetime of b hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 317, 474-484	4.2	16
33	Search for narrow vector resonances in the Z mass range. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 313, 326-332	4.2	
32	Inclusive search for the charmless radiative decay of the b-quark ($b \rightarrow c\gamma$). <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 317, 637-646	4.2	11
31	A search for the neutral Higgs boson at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 303, 391-399	4.2	30
30	Measurement of \bar{b} production in untagged two-photon collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 318, 575-582	4.2	12
29	Search for non-minimal Higgs bosons in Z 0 decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1993 , 57, 355-381		18
28	\bar{b} production in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 317, 467-473	4.2	20
27	Search for a Z γ at the Z resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 306, 187-196	4.2	32
26	An S matrix analysis of the Z resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 315, 494-502	4.2	15
25	An improved measurement of BO-O mixing in ZO decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 288, 395-403	4.2	21
24	A test of quantum electrodynamics in the reaction $e^+e^- \rightarrow \mu^+\mu^- \gamma$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 288, 404-411	4.2	21
23	Inclusive J production in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 288, 412-420	4.2	25
22	Determination of the number of light neutrino species. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 292, 463-471	4.2	22
21	Search for anomalous production of single-photon events in e^+e^- annihilations at the Z resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 297, 469-476	4.2	15
20	Searches for non-minimal Higgs bosons in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 294, 457-465	4.2	25
19	High mass photon pairs in $\mu\mu$ events at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 295, 337-346	4.2	36
18	Studies of hadronic event structure and comparisons with QCD models at the Z 0 resonance. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992 , 55, 39-61		72

17	Search for the neutral Higgs boson at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 283, 454-464	4.2	18
16	Determination of β from hadronic event shapes measured on the Z0 resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 284, 471-481	4.2	58
15	A direct determination of the number of light neutrino families from at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 275, 209-221	4.2	28
14	Measurement of inclusive τ production in hadronic decays of the Z0. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 286, 403-412	4.2	20
13	Measurement of the forward-backward asymmetries at the Z0 resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 292, 454-462	4.2	27
12	Isolated hard photon emission in hadronic Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 292, 472-484	4.2	42
11	A measurement of τ polarization in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 294, 466-478	4.2	32
10	Search for isosinglet neutral heavy leptons in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 295, 371-382	4.2	76
9	Measurement of electroweak parameters from hadronic and leptonic decays of the Z0. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1991 , 51, 179-203		64
8	Search for lepton flavour violation in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 271, 453-460	4.2	8
7	Measurement of the strong coupling constant β for bottom quarks at the Z0 resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 271, 461-467	4.2	29
6	Measurement of the inclusive production of neutral pions and charged particles on the Z0 resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 259, 199-208	4.2	72
5	A test of QCD based on 3-jet events from Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 263, 551-562	4.2	22
4	Search for narrow high-mass resonances in radiative decays of the Z0. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 262, 155-162	4.2	7
3	Search for leptoquarks in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 261, 169-176	4.2	32
2	Measurements of decays and the semileptonic branching ratio BR ($b \rightarrow \bar{c} X$). <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 261, 177-187	4.2	75
1	Measurement of the lifetime of B-hadrons and a determination of $ V_{cb} $. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 270, 111-122	4.2	18