

# Itamar Cohen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9630055/publications.pdf>

Version: 2024-02-01

61  
papers

1,058  
citations

471061

17  
h-index

433756

31  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1894  
citing authors

#	ARTICLE	IF	CITATIONS
1	A study of charged particle multiplicities in hadronic decays of the $Z^0$ . Zeitschrift für Physik C-Particles and Fields, 1992, 53, 539-554.	1.5	87
2	QCD studies with $e^+e^-$ annihilation data at 130 and 136 GeV. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 191-206.	1.5	78
3	A study of differences between quark and gluon jets using vertex tagging of quark jets. Zeitschrift für Physik C-Particles and Fields, 1993, 58, 387-403.	1.5	74
4	Biofluidynamics of lubricating bacteria. Mathematical Methods in the Applied Sciences, 2001, 24, 1429-1468.	1.2	69
5	A determination of $\sigma(s)$ at LEP using resummed QCD calculations. Zeitschrift für Physik C-Particles and Fields, 1993, 59, 1-19.	1.5	62
6	A global determination of $\alpha_s(M_{Z^0})$ at LEP. Zeitschrift für Physik C-Particles and Fields, 1992, 55, 1-24.	1.5	61
7	Measurements of $B^0 - \bar{B}^0$ mixing, $\Gamma(Z^0 \rightarrow \bar{b}b) / \Gamma(Z^0 \rightarrow \text{hadrons})$ and semileptonic branching ratios for $b$ -flavoured hadrons in hadronic $Z^0$ decays. Zeitschrift für Physik C-Particles and Fields, 1993, 60, 199-216.	1.5	57
8	Inclusive neutral vector meson production in hadronic $Z^0$ decays. Zeitschrift für Physik C-Particles and Fields, 1992, 56, 521-535.	1.5	38
9	A study of charm hadron production in $Z^0 \rightarrow c\bar{c}$ and $Z^0 \rightarrow \bar{c}c$ decays at LEP. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 1-16.	1.5	38
10	Measurement of $\Gamma(Z^0 \rightarrow \bar{b}b) / \Gamma(Z^0 \rightarrow \text{hadrons})$ using leptons. Zeitschrift für Physik C-Particles and Fields, 1993, 58, 523-539.	1.5	37
11	Asymmetry in Spin-Polarized $K^0$ Production. Precision Measurement of the Charm-Quark Mass. $\text{http://www.w3.org/1998/Math/MathML}$ $K^0$	2.9	34
12	The production of neutral kaons in $Z^0$ decays and their Bose-Einstein correlations. Zeitschrift für Physik C-Particles and Fields, 1995, 67, 389-401.	1.5	24
13	Multiplicity dependence of Bose-Einstein correlations in hadronic $Z^0$ decays. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 389-398.	1.5	24
14	$\Sigma^+ \Sigma^0$ , $\Sigma^0 \Sigma^0$ and $\Sigma^+ \Sigma^-$ hyperon production in hadronic $Z^0$ decays. Zeitschrift für Physik C-Particles and Fields, 1997, 73, 587-599.	1.5	20
15	Measurement of the average $b$ hadron lifetime in $Z^0$ decays. Zeitschrift für Physik C-Particles and Fields, 1993, 60, 217-228.	1.5	19
16	A measurement of the $B_d^0$ oscillation frequency using leptons and $D^{*\pm}$ mesons. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 377-388.	1.5	19
17	A measurement of electron production in hadronic $Z^0$ decays and a determination of $\Gamma(Z^0 \rightarrow e^+e^-)$ . $\text{http://www.w3.org/1998/Math/MathML}$ $\Gamma(Z^0 \rightarrow e^+e^-)$	1.5	17
18	A measurement of the forward-backward asymmetry of $e^+e^- \rightarrow c\bar{c}$ and $e^+e^- \rightarrow \bar{c}c$ at centre of mass energies on and near the $Z^0$ peak using $D^{*\pm}$ mesons. Zeitschrift für Physik C-Particles and Fields, 1993, 60, 601-612.	1.5	17

#	ARTICLE	IF	CITATIONS
19	Measurement of the $\tilde{\tau}$ , lifetime. Zeitschrift für Physik C-Particles and Fields, 1993, 59, 183-194.	1.5	17
20	Improved measurements of the $B^0$ and $B^+$ meson lifetimes. Zeitschrift für Physik C-Particles and Fields, 1995, 67, 379-388.	1.5	17
21	Precision measurements of the neutral current from hadron and lepton production at LEP. Zeitschrift für Physik C-Particles and Fields, 1993, 58, 219-237.	1.5	15
22	Determination of the production rate of $\tau$ . European Physical Journal C, 1998, 5, 01.	1.4	14
23	A test of the flavour independence of the strong interaction for five flavours. Zeitschrift für Physik C-Particles and Fields, 1993, 60, 397-420.	1.5	13
24	The forward-backward asymmetry of $e^+e^- \rightarrow b\bar{b}$ and $e^+e^- \rightarrow c\bar{c}$ using leptons in hadronic $Z^0$ decays. Zeitschrift für Physik C-Particles and Fields, 1993, 60, 19-35.	1.5	13
25	A measurement of the forward-backward asymmetry of $e^+e^- \rightarrow b\bar{b}$ by applying a jet charge algorithm to lifetime tagged events. Zeitschrift für Physik C-Particles and Fields, 1995, 67, 365-378.	1.5	13
26	A study of charm hadron production in $\{m Z\} \rightarrow c\bar{c}$ and $\{m Z\} \rightarrow b\bar{b}$ decays at LEP. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 1-16.	1.5	13
27	Studies of strong and electroweak interactions using final state photon emission in hadronic $Z^0$ decays. Zeitschrift für Physik C-Particles and Fields, 1993, 58, 405-418.	1.5	12
28	A study of muon pair production and evidence for tau pair production in photon-photon collisions at LEP. Zeitschrift für Physik C-Particles and Fields, 1993, 60, 593-600.	1.5	11
29	A search for neutral Higgs bosons in the MSSM and models with two scalar field doublets. European Physical Journal C, 1998, 5, 19.	1.4	11

30

#	ARTICLE	IF	CITATIONS
37	Diffraction-limited coherent wake emission. Physical Review Research, 2021, 3, .	1.3	7
38	QCD coherence studies using two particle azimuthal correlations. Zeitschrift für Physik C-Particles and Fields, 1993, 58, 207-217.	1.5	6
39	Determination of event shape distributions and $\hat{\Gamma}_{\pm} s b$ from $\bar{b}b$ events at LEP. Zeitschrift für Physik C-Particles and Fields, 1995, 65, 31-45.	1.5	6
40	Multi-photon final states in $e+e^{\gamma}$ collisions at $\hat{s} = 130-172$ GeV. European Physical Journal C, 1998, 1, 21-30.	1.4	5
41	A gatling-gun target delivery system for high-intensity laser irradiation experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 934, 58-62.	0.7	5
42	Multi-photon final states in. European Physical Journal C, 1998, 1, 21.	1.4	5
43	Search for a massive Di-photon resonance at. European Physical Journal C, 1998, 1, 31.	1.4	5
44	Search for unstable heavy and excited leptons in e. European Physical Journal C, 1998, 1, 45.	1.4	5
45	Measurement of the average b-baryon lifetime and the product branching ratio $f(b \rightarrow \Lambda_b) \cdot BR(\Lambda_b \rightarrow \Lambda e^+ \nu_e)$ . Zeitschrift für Physik C-Particles and Fields, 1995, 69, 195-214.	1.5	4
46	Search for a narrow resonance in Z0 decays into hadrons and isolated photons. Zeitschrift für Physik C-Particles and Fields, 1996, 71, 1-10.	1.5	4
47	Towards direct-laser-production of relativistic surface harmonics. , 2019, , .		4
48	A comparison of b and uds quark jets to gluon jets. Zeitschrift für Physik C-Particles and Fields, 1995, 69, 543-560.	1.5	3
49	Upper limit on the $\hat{\Gamma}_{\pm} \tilde{\Gamma}_{\pm}$ mass from $\tilde{\Gamma}_{\pm} \rightarrow 3h^{\pm} \tilde{\Gamma}_{\pm}$ decays. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 231-238.		3
50	Optically Switchable MeV Ion/Electron Accelerator. Applied Sciences (Switzerland), 2021, 11, 5424.	1.3	3
51	Annular coherent wake emission. Optics Letters, 2021, 46, 4674.	1.7	3
52	Automated Delivery of Microfabricated Targets for Intense Laser Irradiation Experiments. Journal of Visualized Experiments, 2021, , .	0.2	3
53	Catâ€™s cradle: a compact, 3D mounted, 90-ns optical delay-line for laser-electron acceleration. , 2019, , .		3
54	Spectral detuning of relativistic surface harmonics. Physical Review Research, 2022, 4, .	1.3	2

#	ARTICLE	IF	CITATIONS
55	Spiral phase plasma mirror. Journal of Optics (United Kingdom), 0, , .	1.0	2
56	QCD studies with $e^+e^-$ annihilation data at 130 and 136 GeV. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 191-206.	1.5	0
57	Upper limit on the $\tilde{L}_R$ mass from $\tilde{L}_R \rightarrow 3h^{1/2} \tilde{L}_R$ decays. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 231-238.	1.5	0
58	A precise measurement of the tau polarization and its forward-backward asymmetry at LEP. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 365-375.	1.5	0
59	A measurement of the $B_d$ oscillation frequency using leptons and $D^{*\pm}$ mesons. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 377-388.	1.5	0
60	Multiplicity dependence of Bose-Einstein correlations in hadronic $Z^0$ decays. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 389-398.	1.5	0
61	Spatial control of Coherent Wake Emission through strongly varied lateral plasma expansion. , 2022, , .		0