

Thomas Teubner

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2720403/publications.pdf>

Version: 2024-02-01

80
papers

5,990
citations

147801

31
h-index

91884

69
g-index

80
all docs

80
docs citations

80
times ranked

5953
citing authors

#	ARTICLE	IF	CITATIONS
1	Predictions of exclusive $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi mathvariant="normal"} \rangle \tilde{\Gamma} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ photoproduction at the LHC and future colliders. <i>Physical Review D</i> , 2022, 105, .	4.7	4
2	Mixed Leptonic and Hadronic Corrections to the Anomalous Magnetic Moment of the Muon. <i>Physical Review Letters</i> , 2022, 128, 112002.	7.8	11
3	Beam dynamics corrections to the Run-1 measurement of the muon anomalous magnetic moment at Fermilab. <i>Physical Review Accelerators and Beams</i> , 2021, 24, .	1.6	32
4	Magnetic-field measurement and analysis for the Muon $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle g \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{a} \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ Experiment at Fermilab. <i>Physical Review A</i> , 2021, 103, .	2.5	52
5	Measurement of the Positive Muon Anomalous Magnetic Moment to 0.46 ppm. <i>Physical Review Letters</i> , 2021, 126, 141801.	7.8	991
6	Measurement of the anomalous precession frequency of the muon in the Fermilab Muon $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle g \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{a} \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ Experiment. <i>Physical Review D</i> , 2021, 103, .	4.7	105
7	Exclusive heavy vector meson electroproduction to NLO in collinear factorisation. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	5
8	The anomalous magnetic moment of the muon in the Standard Model. <i>Physics Reports</i> , 2020, 887, 1-166.	25.6	790
9	How to include exclusive $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle J \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \tilde{\Gamma} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ production data in global PDF analyses. <i>Physical Review D</i> , 2020, 101, .	4.7	20
10	Measurement of the muon $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle g \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{a} \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ of charged leptons, $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \hat{\Gamma} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \text{mathvariant="bold"} \langle \text{mml:math} \rangle$ of charged leptons. <i>Physical Review D</i> , 2020, 101, .	4.7	357
11	Very low $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle x \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ gluon density determined by LHCb exclusive $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle J \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \tilde{\Gamma} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ data. <i>Physical Review D</i> , 2020, 102, .	4.7	16
12	The strong coupling from $\$e^+e^-\to\text{hadrons}\$$. , 2019, , .		0
13	Combination of KLOE $\tilde{\Gamma}_f (e^+e^- \to \tilde{\Gamma} + \tilde{\Gamma}^* \to f \bar{f})$ measurements and determination of $\$a_{\mu}^{\text{had}}\$$ in the energy range $0.10 < s < 0.95 \text{ GeV}^2$. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	30
14	Fully-differential top-pair production at a lepton collider: from threshold to continuum. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	14
15	Strong coupling from $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:msup} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mo} \rangle \hat{a} \langle \text{mml:mo} \rangle \langle \text{mml:math} \rangle$ below charm. <i>Physical Review D</i> , 2018, 98, .	4.7	19
16	The anomalous anomaly. <i>Nature Physics</i> , 2018, 14, 1148-1148.	16.7	3
17	Muon $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle g \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{a} \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \hat{\Gamma} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:math} \rangle$ data. <i>Physical Review D</i> , 2018, 98, .	4.7	484
18	Exclusive $\$/\psi\$/$ production at the LHC in the $\langle i \rangle k \langle /i \rangle \langle \text{sub} \langle i \rangle T \langle /i \rangle \langle \text{sub} \rangle$ factorisation approach. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017, 44, 03LT01.	3.6	17

#	ARTICLE	IF	CITATIONS
19	$g^{\hat{2}}$ of the muon: status report. Nuclear and Particle Physics Proceedings, 2017, 287-288, 33-38.	0.5	17
20	Exclusive J/ψ process Tamed to probe the low-x gluon. AIP Conference Proceedings, 2017, , .	0.4	0
21	Automation of NLO processes and decays and POWHEG matching in WHIZARD. Journal of Physics: Conference Series, 2016, 762, 012059.	0.4	5
22	Exclusive J/ψ and Υ photoproduction and the low-x gluon. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 035002.	3.6	31
23	The strange and charm quark contributions to the anomalous magnetic moment of the muon from lattice QCD. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1645-1649.	0.5	0
24	The exclusive J/ψ process at the LHC tamed to probe the low x gluon. European Physical Journal C, 2016, 76, 1.	3.9	28
25	Exclusive J/ψ and Upsilon photoproduction and the low x gluon. , 2016, , .		1
26	The Measurement of the Anomalous Magnetic Moment of the Muon at Fermilab. Journal of Physical and Chemical Reference Data, 2015, 44, .	4.2	17
27	Predictions of exclusive $\Upsilon(2S)$ production at the LHC. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 055009.	3.6	12
28	Strange and charm quark contributions to the anomalous magnetic moment of the muon. Physical Review D, 2014, 89, .	4.7	53
29	HADRONIC VACUUM POLARISATION IN $g - 2$ AND $\hat{\mu}$ QED. International Journal of Modern Physics Conference Series, 2014, 35, 1460406.	0.7	0
30	Probes of the small x gluon via exclusive J/ψ and Υ production at HERA and the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	84
31	Hadronic contributions to the anomalous magnetic moment of the electron and the hyperfine splitting of muonium. Nuclear Physics B, 2013, 867, 236-243.	2.5	44
32	Physics of the Top Quark at Future Lepton Colliders. Journal of Physics: Conference Series, 2013, 452, 012043.	0.4	1
33	and : Status of the Standard Model predictions. Nuclear Physics, Section B, Proceedings Supplements, 2012, 225-227, 282-287.	0.4	4
34	of the muon and $\hat{\mu}$ re-evaluated. Nuclear Physics, Section B, Proceedings Supplements, 2011, 218, 225-230.	0.4	4
35	$(g^{\hat{2}})_{\hat{1}/4}$ and $\hat{\mu}$ re-evaluated using new precise data. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 085003.	3.6	577
36	$(g^{\hat{2}})_{\hat{1}/4}$ and $\hat{\mu}$: recent developments and status report. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
37	Quest for precision in hadronic cross sections at low energy: Monte Carlo tools vs. experimental data. European Physical Journal C, 2010, 66, 585-686.	3.9	270
38	Update of $\langle \sigma \rangle_{\mu\mu}$ of the muon and $\hat{\Gamma}_{\pm}$. Chinese Physics C, 2010, 34, 728-734.	3.7	38
39	Generalised parton distributions at small x. European Physical Journal C, 2009, 63, 57-67.	3.9	16
40	Small x gluon from exclusive $\langle \sigma \rangle_{\mu\mu}$ production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 662, 252-258.	4.1	42
41	Hadronic Contributions to the theoretical value of $\hat{\Gamma}_{\pm}$. Nuclear Physics, Section B, Proceedings Supplements, 2008, 181-182, 20-25.	0.4	4
42	Multi-jet events in the k_T -factorisation scheme. European Physical Journal C, 2008, 58, 17-28.	3.9	9
43	Status of $\hat{\Gamma}_{\pm}^{\text{had}}$ and $\langle \sigma \rangle_{\mu\mu} - 2$. Journal of Physics: Conference Series, 2008, 110, 042031.	0.4	0
44	Status and prospects of $(\hat{\alpha}^2)_{\text{sub } \hat{1}/4}$ and $\hat{\Gamma}_{\pm}^{\text{QED}}$. , 2008, , .		0
45	Determination of the strong coupling constant from the CLEO measurement of the total hadronic cross section in e^+e^- annihilation below 10.56 GeV. Physical Review D, 2007, 76, .	4.7	14
46	Improved predictions for $\langle \sigma \rangle_{\mu\mu}$ and $\hat{\Gamma}_{\pm}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 649, 173-179.	4.1	221
47	Diffraction Production of Vector Mesons and the Gluon at small x. AIP Conference Proceedings, 2005, , .	0.4	5
48	Predictions for $\langle \sigma \rangle_{\mu\mu}$ of the muon and $\hat{\Gamma}_{\pm}^{\text{QED}}(M_Z)$. Physical Review D, 2004, 69, .	4.7	185
49	Theoretical evaluations of the running α and the muon magnetic moment. European Physical Journal C, 2004, 33, s653-s655.	3.9	2
50	Hadronic contributions to $\hat{\alpha}^2_{\text{sub } \hat{1}/4}$ and $\hat{\Gamma}_{\pm}(M_Z)$. Nuclear Physics, Section B, Proceedings Supplements, 2004, 131, 201-209.	0.4	3
51	The SM prediction of $\langle \sigma \rangle_{\mu\mu}$ of the muon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 557, 69-75.	4.1	106
52	The SM prediction of $\langle \sigma \rangle_{\mu\mu}$ of the muon. Nuclear Physics, Section B, Proceedings Supplements, 2003, 117, 216-219.	0.4	0
53	Skewed parton distributions and F2D at $\hat{1}^2 \hat{1}^1$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 498, 16-22.	4.1	12
54	Threshold $\hat{1}^-$ cross section at next-to-next-to-leading logarithmic order. Physical Review D, 2001, 65, .	4.7	55

#	ARTICLE	IF	CITATIONS
55	Renormalization-Group Improved Calculation of Top-Quark Production Near Threshold. Physical Review Letters, 2001, 86, 1951-1954.	7.8	56
56	Top-Antitop Pair Production Close to Threshold Synopsis of Recent NNLO Results. EPJ Direct, 2000, 2, 1-22.	0.1	52
57	Q ² dependence of diffractive vector meson electroproduction. Physical Review D, 2000, 62, .	4.7	67
58	Theory of Elastic Vector Meson Production. , 2000, , 349-360.		0
59	Top-quark pair production close to threshold: Top-quark mass, width, and momentum distribution. Physical Review D, 1999, 60, .	4.7	88
60	Upsilon photoproduction at HERA in perturbative QCD. Nuclear Physics, Section B, Proceedings Supplements, 1999, 79, 359-361.	0.4	0
61	J/psi photoproduction at HERA compared to estimates of perturbative QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 454, 339-345.	4.1	40
62	Axial contributions at the top threshold. European Physical Journal C, 1999, 9, 221-228.	3.9	11
63	Physics with e+e- linear colliders. Physics Reports, 1998, 299, 1-78.	25.6	274
64	Massive quark production in electron positron annihilation to order alpha_s^2. European Physical Journal C, 1998, 2, 137-150.	3.9	30
65	Analytic calculation of two-loop corrections to heavy quark pair production vertices induced by light quarks. Nuclear Physics B, 1998, 519, 285-328.	2.5	17
66	Top quark pair production at threshold: Complete next-to-next-to-leading order relativistic corrections. Physical Review D, 1998, 58, .	4.7	67
67	Perturbative QCD potential and theta-tilde threshold. Physical Review D, 1998, 58, .	4.7	13
68	Extracting f_1 from electron-positron annihilation around 10 GeV. Physical Review D, 1997, 56, 3011-3018.	4.7	15
69	QCD description of diffractive rho meson electroproduction. Physical Review D, 1997, 55, 4329-4337.	4.7	61
70	Diffractive electroproduction of rho meson excitations. Physical Review D, 1997, 56, 3007-3010.	4.7	10
71	Diffractive open charm production at HERA. Zeitschrift für Physik C-Particles and Fields, 1997, 74, 671-685.	1.5	58
72	Double bubble corrections to heavy quark production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 384, 233-240.	4.1	23

#	ARTICLE	IF	CITATIONS
73	Polarization in top quark pair production near threshold. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 346, 137-142.	4.1	34
74	Angular distributions of massive quarks and leptons close to threshold. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 359, 355-361.	4.1	56
75	Radiation of light fermions in heavy fermion production. Nuclear Physics B, 1995, 452, 173-187.	2.5	71
76	Hadron radiation in $\bar{l}l$ -production and the leptonic Z boson decay rate. Nuclear Physics B, 1995, 455, 3-20.	2.5	7
77	Hadron radiation in leptonic Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 325, 495-499.	4.1	10
78	Radiation of heavy quarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 338, 330-335.	4.1	47
79	Momentum distributions in $t\bar{t}$ production and decay near threshold. Zeitschrift für Physik C-Particles and Fields, 1993, 59, 669-675.	1.5	16
80	Momentum distributions in $t\bar{t}$ production and decay near threshold. Zeitschrift für Physik C-Particles and Fields, 1992, 56, 653-660.	1.5	54