

Jan M Friedrich

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2059218/publications.pdf>

Version: 2024-02-01

116
papers

6,263
citations

66343

42
h-index

66911

78
g-index

116
all docs

116
docs citations

116
times ranked

2135
citing authors

#	ARTICLE	IF	CITATIONS
19	Measurement of the beam-recoil polarization in low-energy virtual Compton scattering from the proton. Physical Review C, 2015, 92, .	4.1	89
20	Measurement of the beam-recoil polarization in low-energy virtual Compton scattering from the proton. Physical Review C, 2015, 92, .	2.9	8
21	Observation of a New Narrow Axial-vector Meson	7.8	60
22	The COMPASS setup for physics with hadron beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 779, 69-115.	1.6	59
23	Search for exclusive photoproduction of Z^0 at COMPASS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 1-6.	4.1	43
24	Odd and even partial waves of ρ^0 production in pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 303-311.	4.1	43
25	Collins and Sivers asymmetries in muon production of pions and kaons off transversely polarised protons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 744, 250-259.	4.1	81
26	Measurement of the Charged-Pion Polarizability. Physical Review Letters, 2015, 114, 062002.	7.8	36
27	Tests of Chiral perturbation theory with COMPASS. EPJ Web of Conferences, 2014, 73, 05011.	0.3	1
28	A high-statistics measurement of transverse spin effects in dihadron production from muon-proton semi-inclusive deep-inelastic scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 124-131.	4.1	64
29	Spin alignment and violation of the OZI rule in exclusive ρ^0 and π^0 production in pp collisions. Nuclear Physics B, 2014, 886, 1078-1101.	2.5	4
30	Measurement of azimuthal hadron asymmetries in semi-inclusive deep inelastic scattering off unpolarised nucleons. Nuclear Physics B, 2014, 886, 1046-1077.	2.5	55
31	Electric and magnetic form factors of the proton. Physical Review C, 2014, 90, .	2.9	224
32	Measurement of radiative widths of $a_2(1320)$ and $\pi_2(1670)$. European Physical Journal A, 2014, 50, 1.	2.5	12
33	Transverse target spin asymmetries in exclusive muon production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 740, 303-311.	4.1	43
34	Measurement of the cross section for high-energy hadron production in the scattering of μ^+ at 160 GeV/c. European Physical Journal C, 2013, 73, 1.	4.7	6
35	Hadron transverse momentum distributions in muon deep inelastic scattering at 160 GeV/c. European Physical Journal C, 2013, 73, 1.	3.9	57
36	Study of $\Lambda(1385)$ and $\bar{\Lambda}(1321)$ hyperon and antihyperon production in deep inelastic muon scattering. European Physical Journal C, 2013, 73, 1.	3.9	7

#	ARTICLE	IF	CITATIONS
55	Observation of a $J^PC = 0^{-+}1^{-}$ resonance in diffractive dissociation of ^3He . <i>Physical Review Letters</i> , 2010, 104, 241803.	7.8	112
56	A digital trigger for the electromagnetic calorimeter at the COMPASS experiment. , 2010, , .		0
57	Tests of Chiral Perturbation Theory with COMPASS. , 2010, , .		2
58	The universal sampling ADC readout system of the COMPASS experiment. , 2009, , .		7
59	Collins and Sivers asymmetries for pions and kaons in muon-deuteron DIS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 673, 127-135.	4.1	207
60	Gluon polarisation in the nucleon and longitudinal double spin asymmetries from open charm muon production. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 676, 31-38.	4.1	36
61	Flavour separation of helicity distributions from deep inelastic muon-deuteron scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 680, 217-224.	4.1	66
62	Radiative corrections to pion-nucleus bremsstrahlung. <i>European Physical Journal A</i> , 2009, 39, 71-80.	2.5	13
63	Measurement of the longitudinal spin transfer to Λ and Λ^0 hyperons in polarised muon DIS. <i>European Physical Journal C</i> , 2009, 64, 171.	3.9	32
64	Radiative corrections to pion Compton scattering. <i>Nuclear Physics A</i> , 2008, 812, 186-200.	1.5	12
65	The polarised valence quark distribution from semi-inclusive DIS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 660, 458-465.	4.1	72
66	Separated cross-sections in π^0 electroproduction at threshold at $Q^2 = 0.05 \text{ GeV}^2/c^2$. <i>European Physical Journal A</i> , 2008, 38, 27-33.	2.5	14
67	Cross-sections for low-energy γ reactions. <i>European Physical Journal A</i> , 2008, 36, 181-188.	2.5	35
68	A new measurement of the structure functions $PL_L - PTT/\mu$ and PL_T in virtual Compton scattering at $Q^2 = 0.33 \text{ (GeV/c)}^2$. <i>European Physical Journal A</i> , 2008, 37, 1-8.	2.5	22
69	Covariant helicity-coupling amplitudes: A new formulation. <i>Physical Review D</i> , 2008, 78, .	4.7	25
70	Recoil Polarization and Beam-Recoil Double Polarization Measurement of π^0 -Electroproduction on the Proton in the Region of the $S_{11}(1535)$ Resonance. <i>Physical Review Letters</i> , 2007, 99, 132301.	7.8	15
71	A new measurement of the Collins and Sivers asymmetries on a transversely polarised deuteron target. <i>Nuclear Physics B</i> , 2007, 765, 31-70.	2.5	203
72	The COMPASS experiment at CERN. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 577, 455-518.	1.6	388

#	ARTICLE	IF	CITATIONS
73	Spin asymmetry in π^0 electroproduction at COMPASS. European Physical Journal A, 2007, 31, 620-625.	4.1	258
74	Spin physics at COMPASS. European Physical Journal A, 2007, 31, 620-625.	4.1	48
75	Spin physics at COMPASS. European Physical Journal A, 2007, 31, 620-625.	2.5	0
76	Beam-helicity asymmetry in photon and pion electroproduction in the $\hat{\Gamma}^*(1232)$ -resonance region at $Q^2 = 0.35(\text{GeV}/c)^2$. European Physical Journal A, 2007, 32, 69-75.	2.5	15
77	Double spin asymmetry in exclusive π^0 muoproduction at COMPASS. European Physical Journal C, 2007, 52, 255-265.	3.9	19
78	Monte Carlo simulation of virtual Compton scattering below pion threshold. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 566, 675-686.	1.6	8
79	Measurement of the LT-asymmetry in π^0 electroproduction at the energy of the $\hat{\Gamma}^*(1232)$ -resonance. European Physical Journal A, 2006, 27, 91-97.	4.1	118
80	Measurement of the LT-asymmetry in π^0 electroproduction at the energy of the $\hat{\Gamma}^*(1232)$ -resonance. European Physical Journal A, 2006, 27, 91-97.	2.5	38
81	An experiment for the measurement of the bound- $\hat{\Gamma}^2$ -decay of the free neutron. European Physical Journal A, 2006, 30, 603-611.	2.5	12
82	Hadron spectroscopy in photo- and hadroproduction at COMPASS. AIP Conference Proceedings, 2006, , .	0.4	0
83	Measurement of the spin structure of the deuteron in the DIS region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 612, 154-164.	4.1	111
84	Measurement of the electric form factor of the neutron at $Q^2 = 0.3-0.8 (\text{GeV}/c)^2$. European Physical Journal A, 2005, 24, 101-109.	2.5	125
85	Search for the $\phi(1860)$ Pentaquark at COMPASS. European Physical Journal C, 2005, 41, 469-474.	3.9	22
86	First Measurement of the Transverse Spin Asymmetries of the Deuteron in Semi-inclusive Deep Inelastic Scattering. Physical Review Letters, 2005, 94, 202002.	7.8	275
87	MEASUREMENT OF TRANSVERSE $\hat{\Gamma}^2$ POLARISATION AT COMPASS. , 2005, , .		0
88	Measurement of the Exclusive $H^3e(e,e^2p)$ Reaction Below the Quasielastic Peak. Physical Review Letters, 2004, 93, 132301.	7.8	5
89	Measurement of RLT and ATL in the $^4\text{He}(e,e^2p)^3\text{H}$ reaction at p_{miss} of 130-300 MeV/c. European Physical Journal A, 2004, 22, 449-454.	2.5	3
90	Present status of silicon detectors in Compass. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 512, 229-238.	1.6	14

#	ARTICLE	IF	CITATIONS
91	Final state interaction effects in $3\text{He}(e^+e^+p)$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 559, 41-48.	4.1	15
92	The neutron charge form factor and target analyzing powers from $3\text{He}(e^+e^+n)$ scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 564, 199-204.	4.1	113
93	A fast Tracker for COMPASS based on the GEM. Nuclear Physics, Section B, Proceedings Supplements, 2003, 125, 368-373.	0.4	7
94	Measurement of the Beam-Helicity Asymmetry in the $p(e^+e^+p)$ Reaction at the Energy of the $\rho(1232)$ Resonance. Physical Review Letters, 2002, 88, 142001.	7.8	43
95	Triple GEM tracking detectors for COMPASS. IEEE Transactions on Nuclear Science, 2002, 49, 2403-2410.	2.0	30
96	GEM DETECTORS FOR COMPASS. , 2002, , .		0
97	The horizontal drift chambers for the focal plane proton-polarimeter of the 3-spectrometer setup at MAMI. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 483, 726-733.	1.6	9
98	The focal plane proton-polarimeter for the 3-spectrometer setup at MAMI. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 483, 713-725.	1.6	25
99	Construction, test and commissioning of the triple-gem tracking detector for compass. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 490, 177-203.	1.6	200
100	Precise neutron magnetic form factors. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 524, 26-32.	4.1	167
101	Self energies of the pion and the ρ isobar from the $3\text{He}(e^+e^+\pi^+)3\text{H}$ reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 530, 67-73.	4.1	7
102	ARCHITECTURE OF THE COMMON GEM AND SILICON READOUT FOR THE COMPASS EXPERIMENT. , 2002, , .		1
103	Measurement of GEp/GMp via polarization transfer at $Q^2 = 0.4 \text{ GeV}^2/c^2$. European Physical Journal A, 2001, 12, 125-127.	2.5	100
104	Coherent ρ threshold production from the deuteron at $Q^2=0.1 \text{ GeV}^2/c^2$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 499, 238-244.	4.1	12
105	Polarization transfer in the 4HeH reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 500, 47-52.	4.1	120
106	GEM detectors for COMPASS. IEEE Transactions on Nuclear Science, 2001, 48, 1065-1069.	2.0	15
107	Neutral Pion Threshold Production at $Q^2=0.05 \text{ GeV}^2/c^2$ and Chiral Perturbation Theory. Physical Review Letters, 2001, 88, 012301.	7.8	21
108	Measurement of the Recoil Polarization in the $p(e^+e^+p^+)$ Reaction at the $\rho(1232)$ Resonance. Physical Review Letters, 2001, 86, 2959-2962.	7.8	88

#	ARTICLE	IF	CITATIONS
109	Virtual compton scattering and polarizabilities. Progress in Particle and Nuclear Physics, 2000, 44, 371-389.	14.4	5
110	The first dedicated virtual compton scattering experiment at MAMI. Nuclear Physics A, 2000, 663-664, 389c-392c.	1.5	1
111	QED radiative corrections to virtual Compton scattering. Physical Review C, 2000, 62, .	2.9	100
112	First Determination of Generalized Polarizabilities of the Proton by a Virtual Compton Scattering Experiment. Physical Review Letters, 2000, 85, 708-711.	7.8	63
113	High-Precision Studies of the $^3\text{He}(e, e'\text{p})$ Reaction at the Quasielastic Peak. Physical Review Letters, 1999, 83, 2308-2311.	7.8	18
114	A measurement of the axial form factor of the nucleon by the $p(e, e'\text{p})n$ reaction at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 468, 20-27.	4.1	95
115			