

Jan M Friedrich

List of Publications by Year in descending order

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116
papers

6,263
citations

66343
42
h-index

66911
78
g-index

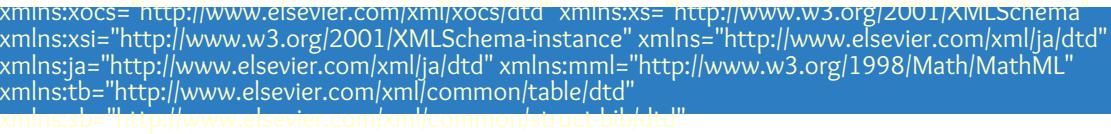
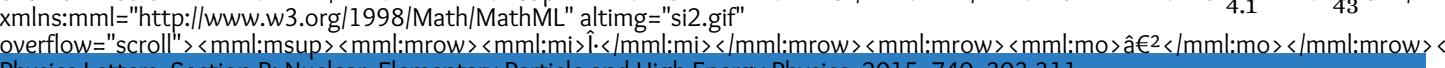
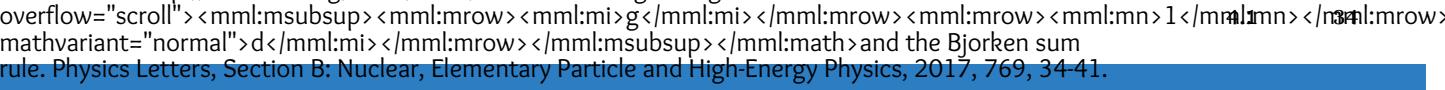
116
all docs

116
docs citations

116
times ranked

2135
citing authors

#	ARTICLE	IF	CITATIONS
19	Measurement of the 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
20	II " Experimental investigation of transverse spin asymmetries in $\hat{1}/4$ -p SIDIS processes: Sivers asymmetries. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 383-389.	4.1	111
21	I " Experimental investigation of transverse spin asymmetries in $\hat{1}/4$ -p SIDIS processes: Collins asymmetries. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 376-382.	4.1	101
22	QED radiative corrections to virtual Compton scattering. Physical Review C, 2000, 62, .	2.9	100
23	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
24	A measurement of the axial form factor of the nucleon by the $p(e, e' \rightarrow e'')$ reaction at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 468, 20-27.	4.1	95
25	The spin structure functions xmlns:math="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><math>\langle mml:msubsup <math>\langle mml:mrow <math>\langle mml:mi>g</mml:mi></mml:mrow><math>\langle mml:mrow <math>\langle mml:mi>1</mml:mi></mml:mrow><math>\langle mml:mrow <math>\langle mml:math>of the proton and a test of the Bjorken sum rule. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 18-28.	4.1	89
26	Measurement of the Recoil Polarization in the $p(e \rightarrow e' p \bar{p})$ Reaction at the $\pi^+(1232)$ Resonance. Physical Review Letters, 2001, 86, 2959-2962.	7.8	88
27	First Measurement of Transverse-Spin-Dependent Azimuthal Asymmetries in the Drell-Yan Process. Physical Review Letters, 2017, 119, 112002.	7.8	86
28	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
29	The polarised valence quark distribution from semi-inclusive DIS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 660, 458-465.	4.1	72
30	Transverse spin effects in hadron-pair production from semi-inclusive deep inelastic scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 10-16.	4.1	70
31	Flavour separation of helicity distributions from deep inelastic muon-deuteron scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 680, 217-224.	4.1	66
32	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
33	First Determination of Generalized Polarizabilities of the Proton by a Virtual Compton Scattering Experiment. Physical Review Letters, 2000, 85, 708-711.	7.8	63
34	Observation of a New Narrow Axial-Vector Meson xmlns:math="http://www.w3.org/1998/Math/MathML" display="inline"><math>\langle mml:msub <math>\langle mml:mi>a</mml:mi></mml:msub><math>\langle mml:mn>1</mml:mn></mml:msub><math>\langle mml:mo stretchy="false">(</mml:mo><math>\langle mml:mn>1420</mml:mn>$\langle mml:mo>T_j ET Q_0 0 0 rg BT /Overlock 10 Tf 50 127 Td (stretchy="false")$	7.8	60
35	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
36	Hadron transverse momentum distributions in muon deep inelastic scattering at 160 GeV/c. European Physical Journal C, 2013, 73, 1.	3.9	57

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37	Leading and next-to-leading order gluon polarization in the nucleon and longitudinal double spin asymmetries from open charm muoproduction. Physical Review D, 2013, 87, .	4.7	55
38	Measurement of azimuthal hadron asymmetries in semi-inclusive deep inelastic scattering off unpolarised nucleons. Nuclear Physics B, 2014, 886, 1046-1077.	2.5	55
39		4.1	48
40	Leading order determination of the gluon polarisation from DIS events with high-pT hadron pairs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 922-930.	4.1	45
41	Measurement of the Beam-Helicity Asymmetry in the $e^+e^-p\bar{p}$ Reaction at the Energy of the $\psi(1232)$ Resonance. Physical Review Letters, 2002, 88, 142001. Odd and even partial waves of $\psi(1232)$. 	7.8	43
42		4.1	43
43	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 303-311. Measurement of the LT-asymmetry in electroproduction at the energy of the $\psi(1232)$ -resonance. European Physical Journal A, 2006, 27, 91-97.	2.5	38
44	First measurement of proton's charge form factor at very low Q2 with initial state radiation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 194-198.	4.1	37
45	Gluon polarisation in the nucleon and longitudinal double spin asymmetries from open charm muoproduction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 676, 31-38.	4.1	36
46	Measurement of the Charged-Pion Polarizability. Physical Review Letters, 2015, 114, 062002.	7.8	36
47	Cross-sections for low-energy γ reactions. European Physical Journal A, 2008, 36, 181-188.	2.5	35
48	Final COMPASS results on the deuteron spin-dependent structure function F_2 . 	4.1	34
49	Measurement of the longitudinal spin transfer to Λ and $\bar{\Lambda}$ hyperons in polarised muon DIS. European Physical Journal C, 2009, 64, 171.	3.9	32
50	Azimuthal asymmetries of charged hadrons produced by high-energy muons scattered off longitudinally polarised deuterons. European Physical Journal C, 2010, 70, 39-49.	3.9	31
51	Triple GEM tracking detectors for COMPASS. IEEE Transactions on Nuclear Science, 2002, 49, 2403-2410.	2.0	30
52	Multiplicities of charged kaons from deep-inelastic muon scattering off an isoscalar target. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 133-141.	4.1	30
53	Sivers asymmetry extracted in SIDIS at the hard scales of the Drell-Yan process at COMPASS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 138-145.	4.1	30
54	Bernauer et al. Reply. Physical Review Letters, 2011, 107, .	7.8	29

#	ARTICLE	IF	CITATIONS
55	Search for exclusive photoproduction of Λ_c^+ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 1-10.	4.7	28
56	Resonance production and Λ_c^+ wave in Λ_c^+ Multiplicities of charged pions and charged hadrons from deep-inelastic scattering of muons off an isoscalar target. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 1-10.	4.1	28
58	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
59	Covariant helicity-coupling amplitudes: A new formulation. Physical Review D, 2008, 78, .	4.7	25
60	Search for the $\phi(1860)$ Pentaquark at COMPASS. European Physical Journal C, 2005, 41, 469-474.	3.9	22
61	A new measurement of the structure functions F_2 , F_L and F_{LT} in virtual Compton scattering at $Q^2 = 0.33 \text{ (GeV/c)}^2$. European Physical Journal A, 2008, 37, 1-8.	2.5	22
62	Neutral Pion Threshold Production at $Q^2=0.05 \text{ GeV}^2/\text{c}^2$ and Chiral Perturbation Theory. Physical Review Letters, 2001, 88, 012301.	7.8	21
63	Double spin asymmetry in exclusive $\bar{\Lambda}_c^0$ muoproduction at COMPASS. European Physical Journal C, 2007, 52, 255-265.	3.9	19
64	First measurement of the Sivers asymmetry for gluons using SIDIS data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 854-864.	4.1	19
65	High-Precision Studies of the $^3\text{He}(e,e'\gamma)p$ Reaction at the Quasielastic Peak. Physical Review Letters, 1999, 83, 2308-2311.	7.8	18
66	First Measurement of Chiral Dynamics in Λ_c^+ muoproduction. Physical Review Letters, 2012, 108, 192001.	7.8	18
67	Exclusive muoproduction on transversely polarised protons and deuterons. Nuclear Physics B, 2012, 865, 1-20.	2.5	18
68	Transverse target spin asymmetries in exclusive Λ_c^+ muoproduction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 186-191.	4.1	18
69	Beam-Recoil Polarization Measurement of Λ_c^+ Electroproduction on the Proton in the Region of the Roper Resonance. Physical Review Letters, 2017, 119, 022001.	7.8	16
70	GEM detectors for COMPASS. IEEE Transactions on Nuclear Science, 2001, 48, 1065-1069.	2.0	15
71	Final state interaction effects in $^3\text{He}(e^-, e^-\gamma)p$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 559, 41-48.	4.1	15
72	Recoil Polarization and Beam-Recoil Double Polarization Measurement of Λ_c^+ Electroproduction on the Proton in the Region of the $S11(1535)$ Resonance. Physical Review Letters, 2007, 99, 132301.	7.8	15

#	ARTICLE	IF	CITATIONS
73	Beam-helicity asymmetry in photon and pion electroproduction in the $\bar{\Lambda}^*(1232)$ -resonance region at $Q^2 = 0.35(\text{GeV}/c)^2$. European Physical Journal A, 2007, 32, 69-75.	2.5	15
74	Longitudinal double-spin asymmetry $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ altimg="si1.gif" overflow="scroll" } \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle A \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 1 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \text{ mathvariant="normal" } \rangle p \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:msubsup} \rangle \langle / \text{mml:math} \rangle$ and spin-dependent structure function $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ altimg="si2.gif" overflow="scroll" } \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle g \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 1 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \text{ m}$	4.1	15
75			

#	ARTICLE	IF	CITATIONS
91	Exclusive η' meson muoproduction on transversely polarised protons. Nuclear Physics B, 2017, 915, 454-475.	2.5	8
92	Self energies of the pion and the π^0 isobar from the ${}^3\text{He}(e,e'\gamma){}^3\text{H}$ reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 530, 67-73.	4.1	7
93	A fast Tracker for COMPASS based on the GEM. Nuclear Physics, Section B, Proceedings Supplements, 2003, 125, 368-373.	0.4	7
94	The universal sampling ADC readout system of the COMPASS experiment. , 2009, , .		7
95	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
96	A Digital Trigger for the Electromagnetic Calorimeter at the COMPASS Experiment. IEEE Transactions on Nuclear Science, 2011, 58, 1719-1722. Measurement of the cross section for high-compton scattering $\text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{display}=\text{"inline"}><\text{mml:msub}><\text{mml:mi}>p</\text{mml:mi}><\text{mml:mi}>T</\text{mml:mi}><\text{mml:msub}></\text{mml:math}>\text{hadron}$ production in the scattering of mml:math $\text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"}$ $\text{display}=\text{"inline"}><\text{mml:mn}>160</\text{mml:mn}><\text{mml:mtext}$ $\text{mathvariant}=\text{"normal"}>\hat{a}</\text{mml:mtext}><\text{mml:mi}>\text{GeV}</\text{mml:mi}><\text{mml:mo}>/</\text{mml:mo}><\text{mml:mi}>c</\text{mml:mi}></\text{mml:math}>\text{muons}$	2.0	6
97	Virtual compton scattering and polarizabilities. Progress in Particle and Nuclear Physics, 2000, 44, 371-389.	4.7	6
98	Measurement of the Exclusive ${}^3\text{He}(e,e'\gamma){}^3\text{H}$ Reaction Below the Quasielastic Peak. Physical Review Letters, 2004, 93, 132301.	14.4	5
99	D \bar{D} and D meson production in muon nucleon interactions at 160 GeV/c. European Physical Journal C, 2012, 72, 1.	7.8	5
100	Longitudinal double spin asymmetries in single hadron quasi-real photoproduction at high p T. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 573-579.	4.1	5
101	Spin alignment and violation of the OZI rule in exclusive η' and η production in pp collisions. Nuclear Physics B, 2014, 886, 1078-1101.	2.5	4
102	Measurement of RLT and ATL in the ${}^4\text{He}(e, e'\gamma){}^3\text{H}$ reaction at pmiss of 130-300 MeV/ c. European Physical Journal A, 2004, 22, 449-454.	2.5	3
103	Tests of Chiral Perturbation Theory with COMPASS. , 2010, , .		2
104	The first dedicated virtual compton scattering experiment at MAMI. Nuclear Physics A, 2000, 663-664, 389c-392c.	1.5	1
105	Cryogenic Silicon Detectors for the COMPASS Experiment at CERN. Nuclear Physics, Section B, Proceedings Supplements, 2011, 215, 310-312.	0.4	1
106	Tests of Chiral perturbation theory with COMPASS. EPJ Web of Conferences, 2014, 73, 05011.	0.3	1
107	Pion-photon reactions and chiral dynamics in Primakoff processes at COMPASS. AIP Conference Proceedings, 2016, , .	0.4	1

#	ARTICLE	IF	CITATIONS
109	ARCHITECTURE OF THE COMMON GEM AND SILICON READOUT FOR THE COMPASS EXPERIMENT. , 2002,,.	1	
110	GEM DETECTORS FOR COMPASS. , 2002,,.	0	
111	Hadron spectroscopy in photo- and hadroproduction at COMPASS. AIP Conference Proceedings, 2006,,.	0.4	0
112	Spin physics at COMPASS. European Physical Journal A, 2007, 31, 620-625.	2.5	0
113	A digital trigger for the electromagnetic calorimeter at the COMPASS experiment. , 2010,,.		0
114	Meson spectroscopy in diffractive dissociation of high-energetic pions at COMPASS. , 2011,,.		0
115	Upgrade of the COMPASS calorimetric trigger. Journal of Instrumentation, 2013, 8, C02038-C02038.	1.2	0
116	MEASUREMENT OF TRANSVERSE $\hat{\gamma}$ POLARISATION AT COMPASS. , 2005,,.		0