

AleÅ; Srnka

List of Publications by Year in descending order

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84
papers

3,535
citations

126907

33
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138484

58
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87
all docs

87
docs citations

87
times ranked

1342
citing authors

#	ARTICLE	IF	CITATIONS
1	<p> $\frac{1}{1600} \int_0^{2\pi} \int_0^{\pi} \sin^2 \theta \, d\theta \, d\phi$ </p> <p> $\frac{1}{1600} \int_0^{2\pi} \int_0^{\pi} \sin^2 \theta \, d\theta \, d\phi$ </p>	4.7	742
2	Probing transversity by measuring \hat{b} polarisation in SIDIS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 824, 136834.	4.1	2
3	Near field radiative heat transfer between macro-scale metallic surfaces at cryogenic temperatures. Cryogenics, 2021, 113, 103156.	1.7	3
4	Triangle Singularity as the Origin of the $\pi^+ \pi^-$ Singularity in $\pi^+ p$ Elastic Scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 824, 136834.	4.1	11
5	Low conductive thermal insulation pad with high mechanical stiffness. International Journal of Refrigeration, 2021, 132, 92-92.	3.4	1
6	Antiproton over proton and K^+ over K^+ multiplicity ratios at high z in DIS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 807, 135600.	4.1	3
7	Contribution of exclusive diffractive processes to the measured azimuthal asymmetries in SIDIS. Nuclear Physics B, 2020, 956, 115039.	2.5	3
8	Measurement of the cross section for hard exclusive $\bar{\nu}_e$ muoproduction on the proton. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135454.	4.1	16
9	Transverse extension of partons in the proton probed in the sea-quark range by measuring the DVCS cross section. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 188-194.	4.1	25
10	Measurement of P-weighted Sivers asymmetries in leptonproduction of hadrons. Nuclear Physics B, 2019, 940, 34-53.	2.5	13
11	A database of metallic materials emissivities and absorptivities for cryogenics. Cryogenics, 2019, 97, 85-99.	1.7	17
12	Transverse-momentum-dependent multiplicities of charged hadrons in muon-deuteron deep inelastic scattering. Physical Review D, 2018, 97, .	4.7	29
13	Azimuthal asymmetries of charged hadrons produced in high-energy muon scattering off longitudinally polarised deuterons. European Physical Journal C, 2018, 78, 1.	3.9	6
14	K^+ over K^+ multiplicity ratio for kaons produced in DIS with a large fraction of the virtual-photon energy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 390-398.	4.1	10
15	Light isovector resonances in $\pi^+ p$ elastic scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 390-398.	4.1	15
16	Longitudinal double-spin asymmetry in $\pi^+ p$ elastic scattering. Physical Review D, 2018, 97, .	4.1	15
17	New analysis of $\bar{\nu}_e$ tensor resonances measured at the COMPASS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 464-472.	4.1	12
18	Search for muoproduction of $X(3872)$ at COMPASS and indication of a new state $X(3872)$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 783, 334-340.	4.1	16

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19	Exclusive π^0 meson muoproduction on transversely polarised protons. Nuclear Physics B, 2017, 915, 454-475.	2.5	8
20	Effect of superconductivity on near-field radiative heat transfer. Physical Review B, 2017, 95, .	3.2	10
21	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
22	Final COMPASS results on the deuteron spin-dependent structure function d_2 and the Bjorken sum rule. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 34-41.	4.1	30
23	First Measurement of Transverse-Spin-Dependent Azimuthal Asymmetries in the Drell-Yan Process. Physical Review Letters, 2017, 119, 112002.	7.8	86
24	Resonance production and S -wave in π^0 production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 854-864.	4.7	28
25	Low temperature thermal radiative properties of gold coated metals. International Journal of Refrigeration, 2017, 82, 51-55.	3.4	5
26	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
27	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
28	Leading-order determination of the gluon polarisation from semi-inclusive deep inelastic scattering data. European Physical Journal C, 2017, 77, 1.	3.9	12
29	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
30	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
31	Interplay among transversity induced asymmetries in hadron leptoproduction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 406-411.	4.1	11
32	The spin structure function g_2 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
33	Observation of a new narrow Axial-Vector Meson $\rho(1420)$. Physical Review Letters, 2016, 116, 112001.	7.8	60
34	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
35	Search for exclusive photoproduction of Z^0 at COMPASS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, Odd and even partial waves of $\rho(1420)$.	4.1	43
36	Odd and even partial waves of $\rho(1420)$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 303-311.	4.1	43

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37	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
38	Measurement of the Charged-Pion Polarizability. Physical Review Letters, 2015, 114, 062002.	7.8	36
39	Heat transfer in cryogenic helium gas by turbulent Rayleigh-Bénard convection in a cylindrical cell of aspect ratio 1. New Journal of Physics, 2014, 16, 053042.	2.9	38
40	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
41	Spin alignment and violation of the OZI rule in exclusive \bar{K}^0 and \bar{K}^* production in pp collisions. Nuclear Physics B, 2014, 886, 1078-1101.	2.5	4
42	Measurement of azimuthal hadron asymmetries in semi-inclusive deep inelastic scattering off unpolarised nucleons. Nuclear Physics B, 2014, 886, 1046-1077.	2.5	55
43	Measurement of radiative widths of $\rho(1320)$ and π_{12} (1670). European Physical Journal A, 2014, 50, 1.	2.5	12
44	Transverse target spin asymmetries in exclusive muon production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 731, 19-26.	4.1	18
45	Hadron production in the scattering of muons at 160 GeV/c. European Physical Journal C, 2013, 73, 1.	4.7	6
46	Hadron transverse momentum distributions in muon deep inelastic scattering at 160 GeV/c. European Physical Journal C, 2013, 73, 1.	3.9	57
47	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
48	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
49	Leading and next-to-leading order gluon polarization in the nucleon and longitudinal double spin asymmetries from open charm muon production. Physical Review D, 2013, 87, .	4.7	55
50	Urban Reply. Physical Review Letters, 2013, 110, 199402.	7.8	4
51	First Measurement of Chiral Dynamics in muon production. Physical Review Letters, 2012, 108, 192001.	7.8	18
52	Effect of Boundary Layers Asymmetry on Heat Transfer Efficiency in Turbulent Rayleigh-Bénard Convection at Very High Rayleigh Numbers. Physical Review Letters, 2012, 109, 154301.	7.8	36
53	Publisher's Note: Effect of Boundary Layers Asymmetry on Heat Transfer Efficiency in Turbulent Rayleigh-Bénard Convection at Very High Rayleigh Numbers [Phys. Rev. Lett. 109, 154301 (2012)]. Physical Review Letters, 2012, 109, .	7.8	0
54	Exclusive muon production on transversely polarised protons and deuterons. Nuclear Physics B, 2012, 865, 1-20.	2.5	18

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55	D ⁺ and D meson production in muon nucleon interactions at 160 GeV/c. European Physical Journal C, 2012, 72, 1.	3.9	5
56	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
57	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
58	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
59	Cryogenic apparatus for study of near-field heat transfer. Review of Scientific Instruments, 2011, 82, 055106.	1.3	48
60	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
61	The spin-dependent structure function of the proton g_1^p and a test of the Bjorken sum rule. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 690, 466-472.	4.1	142
62	Measurement of the Collins and Sivers asymmetries on transversely polarised protons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 692, 240-246.	4.1	142
63	Quark helicity distributions from longitudinal spin asymmetries in muon-proton and muon-deuteron scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 693, 227-235.	4.1	118
64	Observation of a resonance in Diffractive Dissociation of ^{190}Pb at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2010, 104, 241803.	7.8	112
65	Helium cryostat for experimental study of natural turbulent convection. Review of Scientific Instruments, 2010, 81, 085103.	1.3	20
66	Collins and Sivers asymmetries for pions and kaons in muon-deuteron DIS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 673, 127-135.	4.1	207
67	Gluon polarisation in the nucleon and longitudinal double spin asymmetries from open charm muon production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 676, 31-38.	4.1	36
68	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
69	Measurement of the longitudinal spin transfer to $\hat{1}$ and Λ hyperons in polarised muon DIS. European Physical Journal C, 2009, 64, 171.	3.9	32
70	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
71	A new measurement of the Collins and Sivers asymmetries on a transversely polarised deuteron target. Nuclear Physics B, 2007, 765, 31-70.	2.5	203
72	Effect of different treatments of copper surface on its total hemispherical absorptivity below 77K. Cryogenics, 2007, 47, 257-261.	1.7	8

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73	Spin asymmetry in the deuteron spin dependent structure function. <i>Nuclear, Elementary Particle and High-Energy Physics</i> , 2005, 612, 154-164.	4.1	258
74	Spin asymmetry in the deuteron spin dependent structure function. <i>Nuclear, Elementary Particle and High-Energy Physics</i> , 2005, 612, 154-164.	4.1	48
75	Double spin asymmetry in exclusive 10 muoproduction at COMPASS. <i>European Physical Journal C</i> , 2007, 52, 255-265.	3.9	19
76	Citron polarization in the nucleon from quasi-real photoproduction of high- Q^2 γ . <i>European Physical Journal C</i> , 2007, 52, 255-265.	4.1	118
77	Measurement of the spin structure of the deuteron in the DIS region. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005, 612, 154-164.	4.1	111
78	Low temperature radiative properties of materials used in cryogenics. <i>Cryogenics</i> , 2005, 45, 529-536.	1.7	36
79	Spin physics with antiprotons. <i>European Physical Journal D</i> , 2005, 55, A75-A92.	0.4	6
80	Nuclear Orientation Facility at Charles University in Prague. <i>European Physical Journal D</i> , 2000, 50, 381-384.	0.4	1
81	Design of matrix shim coils system for nuclear magnetic resonance. <i>IEEE Transactions on Magnetics</i> , 2000, 36, 1732-1735.	2.1	7
82	Superconducting shim system with high purity magnetic field for NMR and MRI solenoid magnet MIDI-200. <i>IEEE Transactions on Magnetics</i> , 1996, 32, 2643-2646.	2.1	8
83	The new nuclear orientation facility at charles university prague. <i>European Physical Journal D</i> , 1996, 46, 2795-2796.	0.4	1
84	Target with a frozen nuclear polarization for experiments at low energies. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1994, 345, 421-428.	1.6	11