

Sergei Gerassimov

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145
papers

4,559
citations

36
h-index

62
g-index

149
ext. papers

5,196
ext. citations

3.7
avg, IF

3.05
L-index

#	Paper	IF	Citations
145	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	1.2	339
144	First measurement of the transverse spin asymmetries of the deuteron in semi-inclusive deep inelastic scattering. <i>Physical Review Letters</i> , 2005 , 94, 202002	7.4	248
143	The deuteron spin-dependent structure function. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 647, 8-17	4.2	214
142	A new measurement of the Collins and Sivers asymmetries on a transversely polarised deuteron target. <i>Nuclear Physics B</i> , 2007 , 765, 31-70	2.8	182
141	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	4.2	177
140	Measurement of the Collins and Sivers asymmetries on transversely polarised protons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 692, 240-246	4.2	128
139	The spin-dependent structure function of the proton g_1^p and a test of the Bjorken sum rule. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 690, 466-472	4.2	110
138	Gluon polarization in the nucleon from quasi-real photoproduction of high-pT hadron pairs. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 633, 25-32	4.2	108
137	Quark helicity distributions from longitudinal spin asymmetries in muon-proton and muon-deuteron scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 693, 227-235	4.2	104
136	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	4.2	98
135	II Experimental investigation of transverse spin asymmetries in ep SIDIS processes: Sivers asymmetries. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 717, 383-389	4.2	96
134	I Experimental investigation of transverse spin asymmetries in ep SIDIS processes: Collins asymmetries. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 717, 376-382	4.2	91
133	Scaled-factorial-moment analysis of 200A-GeV sulfur+gold interactions. <i>Physical Review Letters</i> , 1990 , 65, 412-415	7.4	86
132	Observation of a $J^{PC}=1^{++}$ exotic resonance in diffractive dissociation of 190 GeV/c π^+ into $\pi^+\pi^0$. <i>Physical Review Letters</i> , 2010 , 104, 241803	7.4	85
131	Multiplicities and rapidity densities in interactions with emulsion nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988 , 201, 397-402	4.2	76
130	Dark Matter Search in Missing Energy Events with NA64. <i>Physical Review Letters</i> , 2019 , 123, 121801	7.4	72
129	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	4.2	67

128	Limiting fragmentation in oxygen-induced emulsion interactions at 14.6, 60, and 200 GeV/nucleon. <i>Physical Review Letters</i> , 1989 , 62, 2801-2804	7.4	60
127	The spin structure function g_1^p of the proton and a test of the Bjorken sum rule. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 753, 18-28	4.2	59
126	Search for a Hypothetical 16.7 MeV Gauge Boson and Dark Photons in the NA64 Experiment at CERN. <i>Physical Review Letters</i> , 2018 , 120, 231802	7.4	59
125	Flavour separation of helicity distributions from deep inelastic muon-neutron scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 680, 217-224	4.2	58
124	Search for vector mediator of dark matter production in invisible decay mode. <i>Physical Review D</i> , 2018 , 97,	4.9	57
123	Transverse spin effects in hadron-pair production from semi-inclusive deep inelastic scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 10-16	4.2	55
122	Scaling properties of charged particle multiplicity distributions in oxygen induced emulsion interactions at 14.6, 60 and 200 A GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989 , 223, 262-266	4.2	52
121	Collins and Sivers asymmetries in muon production of pions and kaons off transversely polarised protons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 744, 250-259	4.2	49
120	Hadron transverse momentum distributions in muon deep inelastic scattering at 160 GeV/c. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	48
119	Observation of a New Narrow Axial-Vector Meson $a_1(1420)$. <i>Physical Review Letters</i> , 2015 , 115, 082001	7.4	46
118	A high-statistics measurement of transverse spin effects in dihadron production from muon-proton semi-inclusive deep-inelastic scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 124-131	4.2	43
117	Leading order determination of the gluon polarisation from DIS events with high-pT hadron pairs. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 922-930	4.2	43
116	First Measurement of Transverse-Spin-Dependent Azimuthal Asymmetries in the Drell-Yan Process. <i>Physical Review Letters</i> , 2017 , 119, 112002	7.4	42
115	Measurement of azimuthal hadron asymmetries in semi-inclusive deep inelastic scattering off unpolarised nucleons. <i>Nuclear Physics B</i> , 2014 , 886, 1046-1077	2.8	40
114	The COMPASS setup for physics with hadron beams. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015 , 779, 69-115	1.2	40
113	Leading and next-to-leading order gluon polarization in the nucleon and longitudinal double spin asymmetries from open charm muoproduction. <i>Physical Review D</i> , 2013 , 87,	4.9	40
112	Spin asymmetry A_{1d} and the spin-dependent structure function g_{1d} of the deuteron at low values of x and Q^2 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 647, 330-340	4.2	40
111	Rapidity densities and their fluctuations in central 200 A GeV ^{32}S interactions with Au and Ag, Br nuclei EMU01 collaboration. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989 , 227, 285-290	4.2	40

110	Improved limits on a hypothetical $X(16.7)$ boson and a dark photon decaying into e^+e^- pairs. <i>Physical Review D</i> , 2020 , 101,	4.9	37
109	Gluon polarisation in the nucleon and longitudinal double spin asymmetries from open charm muoproduction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 676, 31-38	4.2	36
108	Read-out electronics for fast photon detection with COMPASS RICH-1. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008 , 587, 371-387	1.2	35
107	The Omega RICH. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1994 , 343, 60-67	1.2	33
106	Design and construction of the fast photon detection system for COMPASS RICH-1. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010 , 616, 21-37	1.2	32
105	Fragmentation and multifragmentation of 10.6A GeV gold nuclei. <i>European Physical Journal A</i> , 1999 , 5, 429-440	2.5	32
104	On intermittency in heavy-ion collisions and the importance of K conversion in a multi-dimensional intermittency analysis. <i>Nuclear Physics B</i> , 1992 , 388, 3-30	2.8	31
103	Measurement of the charged-pion polarizability. <i>Physical Review Letters</i> , 2015 , 114, 062002	7.4	29
102	Search for the exotic $\chi(1860)$ resonance in 340GeV \bar{p} nucleus interactions. <i>Physical Review C</i> , 2004 , 70,	2.7	29
101	Cross sections and some features of charm photoproduction at \sqrt{s} energies of 20-70 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987 , 187, 437-441	4.2	29
100	Odd and even partial waves of π^+n and π^-p at 191GeV/c. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 740, 303-311	4.2	28
99	Bounce \bar{p} ff in 197Au induced collisions with Ag(Br) nuclei at 11.6 A GeV/c. <i>European Physical Journal A</i> , 1998 , 2, 61-67	2.5	28
98	Charged particle density distributions in Au induced interactions with emulsion nuclei at 10.7 A GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 352, 472-478	4.2	28
97	Particle identification with COMPASS RICH-1. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 631, 26-39	1.2	27
96	Rapidity density distributions in 16O, 28Si, 32S, 197Au, and 208Pb induced heavy-ion interactions at 4A-200A GeV. <i>Physical Review Letters</i> , 1992 , 69, 745-748	7.4	27
95	Search for exclusive photoproduction of $Z_c(3900)$ at COMPASS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 742, 330-334	4.2	25
94	Azimuthal asymmetries of charged hadrons produced by high-energy muons scattered off longitudinally polarised deuterons. <i>European Physical Journal C</i> , 2010 , 70, 39-49	4.2	25
93	Search for Axionlike and Scalar Particles with the NA64 Experiment. <i>Physical Review Letters</i> , 2020 , 125, 081801	7.4	24

92	Measurement of the longitudinal spin transfer to Λ and ($\bar{\Lambda}$) hyperons in polarised muon DIS. <i>European Physical Journal C</i> , 2009 , 64, 171	4.2	23
91	The RICH counter in the CERN hyperon beam experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1992 , 323, 373-379	1.2	23
90	Measurement of the lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 358, 151-161	4.2	22
89	Light isovector resonances in \bar{p} - n p at 190 GeV/c. <i>Physical Review D</i> , 2018 , 98,	4.9	22
88	Multiplicities of charged kaons from deep-inelastic muon scattering off an isoscalar target. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 767, 133-141	4.2	21
87	Search for the (ϕ 1860) Pentaquark at COMPASS. <i>European Physical Journal C</i> , 2005 , 41, 469-474	4.2	21
86	Measurement of the polarization of (Λ^0 , $\bar{\Lambda}^0$, Σ^+) and $\bar{\Lambda}$ produced in a $\bar{\mu}$ beam of 330 GeV/c. <i>Zeitschrift für Physik A</i> , 1995 , 350, 379-386		21
85	Resonance production and \mathbb{S} -wave in n - p -precoil at 190 GeV/c. <i>Physical Review D</i> , 2017 , 95,	4.9	18
84	$^{28}\text{Si}(32\text{S})$ fragmentation at 3.7 A, 14.6 A and 200 A GeV. <i>Zeitschrift für Physik A</i> , 1995 , 351, 311-316		18
83	On the multiplicity fluctuations in relativistic heavy ion collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 242, 512-516	4.2	18
82	Final COMPASS results on the deuteron spin-dependent structure function g_1^d and the Bjorken sum rule. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 34-41	4.2	17
81	Double spin asymmetry in exclusive $\bar{0}$ muon production at COMPASS. <i>European Physical Journal C</i> , 2007 , 52, 255-265	4.2	17
80	Multiplicities of charged pions and charged hadrons from deep-inelastic scattering of muons off an isoscalar target. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 764, 1-10	4.2	16
79	$\bar{\Lambda}$ production by \bar{p} , \bar{n} and neutrons in the hyperon beam experiment at CERN. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1997 , 76, 35-44		16
78	Design and status of COMPASS FAST-RICH. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006 , 567, 114-117	1.2	16
77	Particle identification with the RICH detector in experiment WA89 at CERN. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1994 , 343, 279-283	1.2	16
76	Target nucleus fragmentation in $^{16}\text{O}+(\text{Ag},\text{Br})$ interactions at 200 A GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 234, 180-184	4.2	16
75	Exclusive $\bar{0}$ muon production on transversely polarised protons and deuterons. <i>Nuclear Physics B</i> , 2012 , 865, 1-20	2.8	15

74	Helium production in 10.7 A GeV Au induced nucleus-nucleus collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 338, 397-402	4.2	15
73	First measurement of chiral dynamics in $\pi\pi\pi\pi$. <i>Physical Review Letters</i> , 2012 , 108, 192001	7.4	14
72	Factorial Moments of ^{28}Si Induced Interactions with Ag(Br) Nuclei. <i>Acta Physica Hungarica A Heavy Ion Physics</i> , 2001 , 13, 213-221		14
71	Charged particle multiplicity and pseudorapidity density distributions in ^{16}O , ^{28}Si and ^{197}Au -induced nuclear interactions at 14.6 and 11.6A GeV/c. <i>Nuclear Physics A</i> , 1995 , 593, 535-549	1.3	14
70	A study of recoil protons in ultra-relativistic nucleus-nucleus collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989 , 230, 175-180	4.2	14
69	Transverse-momentum-dependent multiplicities of charged hadrons in muon-deuteron deep inelastic scattering. <i>Physical Review D</i> , 2018 , 97,	4.9	13
68	Transverse target spin asymmetries in exclusive π^0 production. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 731, 19-26	4.2	13
67	Sivers asymmetry extracted in SIDIS at the hard scales of the Drell-Yan process at COMPASS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 770, 138-145	4.2	13
66	The fast photon detection system of COMPASS RICH-1. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 581, 419-422 ^{1.2}		13
65	Dissociation of relativistic ^7Li in photoemulsion and structure of ^7Li nucleus. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2004 , 30, 1479-1485	2.9	13
64	The electromagnetic calorimeter in the hyperon beam experiment at CERN. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1992 , 313, 345-356	1.2	13
63	Charged charmed particle lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984 , 140, 119-122	4.2	13
62	First measurement of the Sivers asymmetry for gluons using SIDIS data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 854-864	4.2	12
61	Critical behaviour in Au fragmentation at 10.7A GeV. <i>European Physical Journal A</i> , 1998 , 1, 77-83	2.5	12
60	The characterisation of the multinode photomultiplier tubes for the RICH-1 upgrade project at COMPASS. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008 , 595, 177-179	1.2	12
59	Present status of silicon detectors in Compass. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003 , 512, 229-238	1.2	12
58	Search for muoproduction of $X(3872)$ at COMPASS and indication of a new state $X(B872)$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 783, 334-340	4.2	11
57	Measurement of radiative widths of $a_2(1320)$ and $(\pi_{\{2}})(1670)$. <i>European Physical Journal A</i> , 2014 , 50, 1	2.5	11

56	Fast photon detection for particle identification with COMPASS RICH-1. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 580, 906-909	1.2	11
55	The COMPASS RICH-1 fast photon detection system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008 , 595, 23-26	1.2	11
54	Pattern recognition and PID for COMPASS RICH-1. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008 , 595, 233-236 ^{1.2}	1.2	11
53	A measurement of (λ) polarization in inclusive production by ($\Sigma^{\{-}}$) of 340 GeV/c in C and Cu targets. <i>European Physical Journal C</i> , 2004 , 32, 221-228	4.2	11
52	Search for the pentaquark candidate $\Theta(1540)^+$ in the hyperon beam experiment WA89. <i>Physical Review C</i> , 2005 , 72,	2.7	11
51	Systematic investigation of scaled factorial cumulant moments for nucleus-nucleus interactions. <i>Physical Review D</i> , 1993 , 47, 3726-3732	4.9	11
50	Transverse extension of partons in the proton probed in the sea-quark range by measuring the DVCS cross section. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 793, 188-194	4.2	10
49	The experience of building and operating COMPASS RICH-1. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 639, 15-19	1.2	10
48	Nuclear effect in higher-dimensional factorial moment analysis of the 16O-, 32S- and 197Au-Em interaction data at 200, 60 and 11A GeV/c. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1997 , 76, 659-663		10
47	Λ , ($\overline{\Xi}^{\{+\}}$) and ($\Omega^{\{-}$) inclusive production cross sections measured in hyperon experiment WA89 at CERN. <i>European Physical Journal C</i> , 2003 , 26, 357-370	4.2	10
46	The recent performance of the Omega RICH detector in experiment WA89 at CERN. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996 , 371, 27-32	1.2	10
45	Charged particle multiplicities, densities and fluctuations in Pb+Pb interactions at 158 A GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 407, 92-96	4.2	9
44	Fast photon detection for COMPASS RICH-1. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 572, 419-421	1.2	9
43	Measurements of 525 GeV pion interactions in emulsion. <i>Physical Review D</i> , 1994 , 50, 4272-4282	4.9	9
42	Long term experience and performance of COMPASS RICH-1. <i>Journal of Instrumentation</i> , 2014 , 9, C09011-C09081		
41	A new analogue sampling readout system for the COMPASS RICH-1 detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008 , 589, 362-369	1.2	7
40	The Omega RICH in the CERN hyperon beam experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999 , 433, 71-76	1.2	7
39	Rescattering probed by the emission of slow target associated particles in high-energy heavy-ion interactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 363, 230-236	4.2	7

38	Interplay among transversity induced asymmetries in hadron lepton production. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 753, 406-411	4.2	7
37	New analysis of $\Lambda(1520)$ resonances measured at the COMPASS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 779, 464-472	4.2	7
36	Measurement of the cross section for high-pT hadron production in the scattering of 160 GeV/c muons off nucleons. <i>Physical Review D</i> , 2013 , 88,	4.9	6
35	Study of $\Lambda(1385)$ and $\Lambda(1321)$ hyperon and antihyperon production in deep inelastic muon scattering. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	6
34	Leading-order determination of the gluon polarisation from semi-inclusive deep inelastic scattering data. <i>European Physical Journal C</i> , 2017 , 77, 1	4.2	6
33	He production in 158 A GeV/c Pb on Pb interactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 390, 445-449	4.2	6
32	The fast readout system for the MAPMTs of COMPASS RICH-1. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008 , 595, 204-207	1.2	6
31	Rapidity density distributions and their fluctuations in violent Au-induced nuclear interactions at 11.6 A GeV/c. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 322, 166-170	4.2	6
30	Exclusive Λ meson muon production on transversely polarised protons. <i>Nuclear Physics B</i> , 2017 , 915, 454-475	5.8	5
29	Measurement of the cross section for hard exclusive Λ muon production on the proton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 805, 135454	4.2	5
28	D* and D meson production in muon nucleon interactions at 160 GeV/c. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	5
27	A measurement of $\Lambda(1385)$ polarization in inclusive production by $\Lambda(1385)$ of 340 GeV/c in C and Cu targets. <i>European Physical Journal C</i> , 2004 , 36, 315-321	4.2	5
26	A study of $\Lambda(1385)$, $\Lambda(1321)$ and $\Lambda(1520)$ production in the hyperon beam experiment WA89 at CERN. <i>European Physical Journal C</i> , 2001 , 22, 255-267	4.2	5
25	Hunting down the X17 boson at the CERN SPS. <i>European Physical Journal C</i> , 2020 , 80, 1159	4.2	5
24	Constraints on New Physics in Electron g-2 from a Search for Invisible Decays of a Scalar, Pseudoscalar, Vector, and Axial Vector. <i>Physical Review Letters</i> , 2021 , 126, 211802	7.4	5
23	Measurement of PT-weighted Sivers asymmetries in lepton production of hadrons. <i>Nuclear Physics B</i> , 2019 , 940, 34-53	2.8	4
22	Spin alignment and violation of the OZI rule in exclusive Λ and Σ production in pp collisions. <i>Nuclear Physics B</i> , 2014 , 886, 1078-1101	2.8	4
21	Nucleus-nucleus collision as superposition of nucleon-nucleus collisions. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1999 , 71, 330-334		4

20	Measurement of the lifetime of neutral charmed mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984 , 140, 123-126	4.2	4
19	K ⁰ over K ⁺ multiplicity ratio for kaons produced in DIS with a large fraction of the virtual-photon energy. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 786, 390-398	4.2	4
18	Longitudinal double-spin asymmetry A _{1p} and spin-dependent structure function g _{1p} of the proton at small values of x and Q ² . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 781, 464-472	4.2	4
17	Particle identification with the fast COMPASS RICH-1 detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010 , 623, 330-332	1.2	3
16	The COMPASS RICH-1 detector upgrade. <i>European Physical Journal: Special Topics</i> , 2008 , 162, 251-257	2.3	3
15	Photoproduction of charmed particles in nuclear emulsion coupled to the Omega Prime spectrometer. Description of the experimental method 1985 , 85, 241-261		3
14	Longitudinal double spin asymmetries in single hadron quasi-real photoproduction at high p _T . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 753, 573-579	4.2	3
13	Spectra and correlations of Λ and Σ produced in 340-GeV/c μ C and 260-GeV/c n+C interactions. <i>Physical Review C</i> , 2002 , 65,	2.7	2
12	Determination of the total (cbar c) production cross section in 340 GeV/c (Sigma ⁻)-nucleus interactions. <i>European Physical Journal C</i> , 2000 , 13, 247-254	4.2	2
11	A measurement of (K ⁺ *p) production in the hyperon beam experiment at CERN. <i>European Physical Journal C</i> , 2001 , 22, 47-54	4.2	1
10	Azimuthal asymmetries of charged hadrons produced in high-energy muon scattering off longitudinally polarised deuterons. <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	1
9	Contribution of exclusive diffractive processes to the measured azimuthal asymmetries in SIDIS. <i>Nuclear Physics B</i> , 2020 , 956, 115039	2.8	0
8	Probing transversity by measuring Λ polarisation in SIDIS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022 , 824, 136834	4.2	0
7	Probing the explanation of the muon (g-2) anomaly and thermal light dark matter with the semi-visible dark photon channel. <i>European Physical Journal C</i> , 2021 , 81, 959	4.2	0
6	Antiproton over proton and K ⁰ over K ⁺ multiplicity ratios at high z in DIS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 807, 135600	4.2	0
5	Spin density matrix elements in exclusive (omega) meson muoproduction. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	0
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