Goran P Skoro

List of Publications by Year
in descending order

105 papers	10,395 citations	57758 44 h-index	33894 99 g-index
106 all docs	106 docs citations	106 times ranked	5490 citing authors

#	Article	IF	Citations
1	Transverse-Momentum and Collision-Energy Dependence of High-pTHadron Suppression inAu+AuCollisions at Ultrarelativistic Energies. Physical Review Letters, 2003, 91, 172302.	7.8	614
2	Elliptic Flow inAu+AuCollisions atâˆšsNN=130GeV. Physical Review Letters, 2001, 86, 402-407.	7.8	610
3	Disappearance of Back-To-Back High-pTHadron Correlations in CentralAu+AuCollisions atsNN=200â€‰â€‰GeV. Physical Review Letters, 2003, 90, 082302.	7.8	598
4	STAR detector overview. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 499, 624-632.	1.6	554
5	Azimuthal anisotropy in Au+Au collisions atsNN=200GeV. Physical Review C, 2005, 72, .	2.9	520
6	Centrality Dependence of High-pTHadron Suppression inAu+AuCollisions atsNN=130â€‰â€‰GeV. Physical Review Letters, 2002, 89, 202301.	7.8	518
7	Evidence fromd+AuMeasurements for Final-State Suppression of High-pTHadrons inAu+AuCollisions at RHIC. Physical Review Letters, 2003, 91, 072304.	7.8	517
8	Particle-Type Dependence of Azimuthal Anisotropy and Nuclear Modification of Particle Production inAu+AuCollisions atsNN=200â€‰â€‰GeV. Physical Review Letters, 2004, 92, 052302.	7.8	477
9	Distributions of Charged Hadrons Associated with High Transverse Momentum Particles inppandAu+AuCollisions atsNN=200â€‰â€‰GeV. Physical Review Letters, 2005, 95, 152301.	7.8	445
10	Identified Particle Distributions inppandAu+AuCollisions atsNN=200â€‰â€‰GeV. Physical Review Letters, 2004, 92, 112301.	7.8	368
11	Elliptic flow from two- and four-particle correlations in Au+Au collisions atsNN=130GeV. Physical Review C, 2002, 66, .	2.9	309
12	Identified Particle Elliptic Flow inAu+AuCollisions atsNN=130GeV. Physical Review Letters, 2001, 87, .	7.8	265
13	Pion interferometry in Au+Au collisions atsNN=200GeV. Physical Review C, 2005, 71, .	2.9	248
14	Cross Sections and Transverse Single-Spin Asymmetries in Forward Neutral-Pion Production from Proton Collisions ats=200â€‰â€‰GeV. Physical Review Letters, 2004, 92, 171801.	7.8	220
15	Pion Interferometry ofsNN=130GeVAu+AuCollisions at RHIC. Physical Review Letters, 2001, 87, 082301.	7.8	209
16	Open Charm Yields ind+AuCollisions atsNN=200â€‰â€ŠâŠGeV. Physical Review Letters, 2005, 94, 062301.	7.8	201
17	Azimuthal Anisotropy at the Relativistic Heavy Ion Collider: The First and Fourth Harmonics. Physical Review Letters, 2004, 92, 062301.	7.8	193
18	Azimuthal Anisotropy and Correlations in the Hard Scattering Regime at RHIC. Physical Review Letters, 2003, 90, 032301.	7.8	172

#	Article	IF	Citations
19	Multiplicity Distribution and Spectra of Negatively Charged Hadrons inAu+AuCollisions atsNN=130GeV. Physical Review Letters, 2001, 87, 112303.	7.8	169
20	Ï• meson production in <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x	4.1	166
21	MidrapidityÎ›andÎ›Â¯Production inAu+AuCollisions atsNN=130â€‰â€‰GeV. Physical Review Letters, 2002, 89, 092301.	7.8	161
22	K(892)*resonance production in Au+Au andp+pcollisions atsNN=200GeV. Physical Review C, 2005, 71, .	2.9	149
23	Multistrange Baryon Production in Au-Au Collisions atsNN=130â€‰â€ŠGeV. Physical Review Letters, 2004, 92, 182301.	7.8	140
24	ÏˆProduction and Possible Modification inAu+Auandp+pCollisions atsNN=200â€‰â€‰GeV. Physical Review Letters, 2004, 92, 092301.	7.8	127
25	Azimuthal Anisotropy and Correlations at Large Transverse Momenta inp+pandAu+AuCollisions atsNN=200â€‰â€‰GeV. Physical Review Letters, 2004, 93, 252301.	7.8	122
26	Pion, kaon, proton and anti-proton transverse momentum distributions from <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co	4.1	122
27	Midrapidity Antiproton-to-Proton Ratio fromAu+AuCollisions atsNN=130GeV. Physical Review Letters, 2001, 86, 4778-4782.	7.8	121
28	Azimuthal Anisotropy ofKS0andÎ›+Î›Â¯Production at Midrapidity fromAu+AuCollisions atsNN=130â€‰â€‰GeV. Physical Review Letters, 2002, 89, 132301.	7.8	115
29	CoherentÏ‰Production in Ultraperipheral Heavy-Ion Collisions. Physical Review Letters, 2002, 89, 272302.	7.8	108
30	Net charge fluctuations inAu+Aucollisions atsNN=130GeV. Physical Review C, 2003, 68, .	2.9	100
31	Narrowing of the Balance Function with Centrality inAu+AuCollisions atsNN=130â€‰â€‰GeV. Physical Review Letters, 2003, 90, 172301.	7.8	95
32	Measurement of Inclusive Antiprotons fromAu+AuCollisions atsNN=130GeV. Physical Review Letters, 2001, 87, 262302.	7.8	86
33	MidrapidityÏ†production in Au+Au collisions atsNN=130GeV. Physical Review C, 2002, 65, .	2.9	86
34	Azimuthally Sensitive Hanbury Brownâ€“Twiss Interferometry inAu+AuCollisions atsNN=200â€‰â€‰GeV. Physical Review Letters, 2004, 93, .	7.8	84
35	The neutron guide upgrade of the TOSCA spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 896, 68-74.	1.6	84
36	Production ofe+eâ^’pairs accompanied by nuclear dissociation in ultraperipheral heavy-ion collisions. Physical Review C, 2004, 70, .	2.9	79

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37	dÂ¯and3HeÂ¯Production insNN=130GeVAu+AuCollisions. Physical Review Letters, 2001, 87, 262301.	7.8	72
38	Event-wiseâŒ©ptâŒªfluctuations in Au-Au collisions atsNN=130GeV. Physical Review C, 2005, 71, .	2.9	66
39	Measurements of transverse energy distributions inAu+Aucollisions atsNN=200GeV. Physical Review C, 2004, 70, .	2.9	62
40	Kaon production and kaon to pion ratio in Au + Au collisions at sNN=130ÂGeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 595, 143-150.	4.1	57
41	K*(892)0production in relativistic heavy ion collisions atsNN=130GeV. Physical Review C, 2002, 66, .	2.9	52
42	The CMS high level trigger. European Physical Journal C, 2006, 46, 605-667.	3.9	51
43	Three-Pion Hanbury Brownâ€“Twiss Correlations in Relativistic Heavy-Ion Collisions from the STAR Experiment. Physical Review Letters, 2003, 91, 262301.	7.8	50
44	Large-angle production of charged pions with 3â€“12.9 GeV/<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>c</mml:mi></mml:mrow></mml:math>incident protons on nuclear targets. Physical Review C, 2008, 77, .	2.9	44
45	Multiplicity and Pseudorapidity Distributions of Photons inAu+AuCollisions atsNN=62.4â€‰â€‰GeV. Physical Review Letters, 2005, 95, 062301.	7.8	42
46	Results from the STAR experiment. Nuclear Physics A, 2002, 698, 64-77.	1.5	41
47	Strange antiparticle-to-particle ratios at mid-rapidity in sNN=130ÂGeV Au+Au collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 567, 167-174.	4.1	39
48	Dynamic Youngâ€™s moduli of tungsten and tantalum at high temperature and stress. Journal of Nuclear Materials, 2011, 409, 40-46.	2.7	39
49	Pion-Kaon Correlations in CentralAu+AuCollisions atsNN=130â€‰â€‰GeV. Physical Review Letters, 2003, 91, 262302.	7.8	37
50	Upgrade to the MAPS neutron time-of-flight chopper spectrometer. Review of Scientific Instruments, 2019, 90, 035110.	1.3	37
51	Environmental neutrons as seen by a germanium gamma-ray spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1992, 316, 333-336.	1.6	36
52	Baryon resonances in carbon-carbon collisions at4.2GeV/cper nucleon. Physical Review C, 2002, 65, .	2.9	36
53	Pseudorapidity asymmetry and centrality dependence of charged hadron spectra in d+Au collisions at sNN=200GeV. Physical Review C, 2004, 70, .	2.9	34
54	Yield strength of molybdenum, tantalum and tungsten at high strain rates and very high temperatures. Journal of Nuclear Materials, 2012, 426, 45-51.	2.7	34

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55	Investigation of top mass measurements with the ATLAS detector at LHC. European Physical Journal C, 2005, 39, 63-90.	3.9	30
56	Zscaling in hadron-hadron collisions at high energies. Physical Review D, 1996, 54, 5548-5557.	4.7	22
57	Rapidity and centrality dependence of proton and antiproton production fromAu197+Au197collisions atSNN=130GeV. Physical Review C, 2004, 70, .	2.9	19
58	Photon and neutral pion production inAu+Aucollisions atsNN=130GeV. Physical Review C, 2004, 70, .	2.9	19
59	A-DEPENDENCE OF Z-SCALING. International Journal of Modern Physics A, 2001, 16, 1281-1301.	1.5	18
60	Forward production of charged pions with incident protons on nuclear targets at the CERN Proton Synchrotron. Physical Review C, 2009, 80, .	2.9	18
61	Measurement of neutron total cross sections at the VESUVIO spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 971, 164096.	1.6	18
62	Forward production of charged pions with incident <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mi>Ï€</mml:mi><mml:mo>Â±</mml:mo></mml:msup></mml:math> on nuclear targets measured at the CERN PS. Nuclear Physics A, 2009, 821, 118-192.	1.5	16
63	Neutronics analysis of target, moderators and reflector design for the ISIS TS-1 project. Physica B: Condensed Matter, 2018, 551, 381-385.	2.7	15
64	Large-angle production of charged pions with incident pion beams on nuclear targets. Physical Review C, 2009, 80, .	2.9	14
65	Measurement of the para-hydrogen concentration in the ISIS moderators using neutron transmission and thermal conductivity. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 888, 88-95.	1.6	14
66	Visualization of the Catalyzed Nuclear-Spin Conversion of Molecular Hydrogen Using Energy-Selective Neutron Imaging. Journal of Physical Chemistry C, 2019, 123, 11745-11751.	3.1	14
67	Publisher's Note:dÂ¯and3HeÂ¯Production inâ^šsNN=130GeVAu+AuCollisions[Phys. Rev. Lett. 87, 262301 (2001)]. Physical Review Letters, 2001, 87, .	7.8	13
68	Thermal shock measurements and modelling for solid high-power targets at high temperatures. Journal of Nuclear Materials, 2008, 377, 285-289.	2.7	13
69	Study ofÎ²+and electron capture decay ofSr76in Î³-Î³ coincidence measurements. Physical Review C, 1993, 48, 2598-2602.	2.9	12
70	Strangeness in Au$plus$Au collisions at $surd$sNN $equal$ 130 GeV observed with the STAR detector. Journal of Physics G: Nuclear and Particle Physics, 2002, 28, 1535-1542.	3.6	12
71	Zscaling in proton-nucleus collisions at high energies. Physical Review C, 1999, 59, 2227-2240.	2.9	11
72	Centrality and pseudorapidity dependence of charged hadron production at intermediatepTinAu+Aucollisions atsNN=130GeV. Physical Review C, 2004, 70, .	2.9	9

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73	Neutrino factory. Physical Review Special Topics: Accelerators and Beams, 2014, 17, .	1.8	8
74	Recent developments on the STARS detector system at RHIC. Nuclear Physics A, 1998, 638, 559c-563c.	1.5	7
75	Experimental verification of spallation inventory calculations. Applied Radiation and Isotopes, 2017, 125, 1-3.	1.5	7
76	Experimental validation of the temperature behavior of the ENDF/B-VIII.0 thermal scattering kernel for light water. EPJ Web of Conferences, 2020, 239, 14001.	0.3	7
77	Validated scattering kernels for triphenylmethane at cryogenic temperatures. EPJ Web of Conferences, 2020, 239, 14002.	0.3	7
78	Comparison of large-angle production of charged pions with incident protons on cylindrical long and short targets. Physical Review C, 2009, 80, .	2.9	6
79	A tale of two foils: ISIS TS-1 water moderators. Journal of Physics: Conference Series, 2018, 1021, 012039.	0.4	6
80	Measurement and calculation of decay heat in ISIS spallation neutron target. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 908, 91-96.	1.6	6
81	Discovery of new neutron-moderating materials at ISIS Neutron and Muon Source. EPJ Web of Conferences, 2020, 239, 17008.	0.3	6
82	An update from STARâ€”using strangeness to probe relativistic heavy ion collisions. Journal of Physics G: Nuclear and Particle Physics, 2004, 30, S61-S73.	3.6	5
83	Determination of ¹³⁸La Activity in La₂O₃ from Known ⁴⁰K Activity. Radiochimica Acta, 1993, 60, 25-26.	1.2	4
84	Higher baryon resonances in carbon-carbon collisions at 4.2 GeV/c per nucleon. European Physical Journal A, 2004, 20, 351-354.	2.5	4
85	LS-DYNA calculations of shocks in solids. Nuclear Physics, Section B, Proceedings Supplements, 2006, 155, 293-294.	0.4	4
86	Measurements of forward proton production with incident protons and charged pions on nuclear targets at the CERN Proton Synchroton. Physical Review C, 2010, 82, .	2.9	4
87	Development of neutron scattering kernels for cold neutron reflector materials. Journal of Neutron Research, 2021, 23, 167-177.	1.1	4
88	Transverse-momentum dependent modification of dynamic texture in centralAu+Aucollisions atsNN=200GeV. Physical Review C, 2005, 71, .	2.9	3
89	Lifetime and strength tests of tantalum and tungsten under thermal shock for a Neutrino Factory target. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 646, 1-6.	1.6	3
90	Determination of40K and137Cs concentration in selected honey samples. Journal of Radioanalytical and Nuclear Chemistry, 1995, 199, 465-469.	1.5	2

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91	Spin isomers in the ISIS TS1 cryogenic hydrogen moderator. Journal of Physics: Conference Series, 2018, 1021, 012057.	0.4	2
92	Gamma-ray spectroscopy for probing highly radioactive items behind thick shields?. Journal of Radiological Protection, 2018, 38, N36-N43.	1.1	2
93	Robust measurement of para-ortho H₂ ratios to characterise the ISIS hydrogen moderators. Journal of Physics: Conference Series, 2018, 1021, 012055.	0.4	2
94	Decay heat in ISIS spallation neutron target as function of cooling time. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 933, 8-11.	1.6	2
95	Measurement and calculation of Ta-182 in a spallation neutron target. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 961, 163641.	1.6	2
96	Towards an understanding of erosion in ISIS TS-2 spallation neutron targets?. Nuclear Instruments & Methods in Physics Research B, 2020, 478, 158-162.	1.4	2
97	Solid target studies in the UK. Nuclear Physics, Section B, Proceedings Supplements, 2006, 155, 291-292.	0.4	1
98	Erosion of neutron-producing targets at ISIS spallation neutron source. Nuclear Instruments & Methods in Physics Research B, 2022, 521, 7-16.	1.4	1
99	Production of anihilation radiation in iron and lead by cosmic-rays at sea-level. Applied Radiation and Isotopes, 1995, 46, 431-432.	1.5	0
100	Effective equivalent depth of an underground location by single detector measurements of cosmic-ray intensity. Applied Radiation and Isotopes, 1995, 46, 481-482.	1.5	0
101	Jet energy density in hadron-hadron collisions at high energies. Physics of Particles and Nuclei Letters, 2006, 3, 92-98.	0.4	0
102	Activation of the ISIS muon beamline and corresponding gamma dose rates. Journal of Physics: Conference Series, 2018, 1021, 012034.	0.4	0
103	The gaseous discharges at ISIS and the activated air composition effect. Journal of Physics: Conference Series, 2018, 1021, 012046.	0.4	0
104	Measurement of single- and double-escape HPGe efficiency ratios for ⁶⁰Co. Journal of Radiological Protection, 2020, 40, N17-N21.	1.1	0
105	Unexpected 13N concentrations in ISIS synchrotron room air. Applied Radiation and Isotopes, 2022, 182, 110139.	1.5	0