Martin Hansson

List of Publications by Year
in descending order

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38	1,127	471061 17	377514 34
papers	citations	h-index	g-index

38	38	38	4817
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Measurement and QCD analysis of the diffractive deep-inelastic scattering cross section at HERA. European Physical Journal C, 2006, 48, 715-748.	1.4	213
2	Diffractive deep-inelastic scattering with a leading proton at HERA. European Physical Journal C, 2006, 48, 749-766.	1.4	105
3	Measurement of the inclusive ep scattering cross section at low Q2 and x at HERA. European Physical Journal C, 2009, 63, 625.	1.4	99
4	Small-x phenomenology â€“ Summary of the 3rd Lund small-x workshop in 2004. European Physical Journal C, 2006, 48, 53-105.	1.4	78
5	Shock assisted ionization injection in laser-plasma accelerators. Scientific Reports, 2015, 5, 16310.	1.6	67
6	Tests of QCD factorisation in the diffractive production of dijets in deep-inelastic scattering and photoproduction at HERA. European Physical Journal C, 2007, 51, 549-568.	1.4	63
7	Stable femtosecond X-rays with tunable polarization from a laser-driven accelerator. Light: Science and Applications, 2017, 6, e17086-e17086.	7.7	42
8	Diffractive open charm production in deep-inelastic scattering and photoproduction at HERA. European Physical Journal C, 2007, 50, 1-20.	1.4	39
9	Down-ramp injection and independently controlled acceleration of electrons in a tailored laser wakefield accelerator. Physical Review Special Topics: Accelerators and Beams, 2015, 18, .	1.8	37
10	Laser wakefield acceleration using wire produced double density ramps. Physical Review Special Topics: Accelerators and Beams, 2013, 16, .	1.8	33
11	Study of charm fragmentation into D *â€‰Â± mesons in deep-inelastic scattering at HERA. European Physical Journal C, 2009, 59, 589-606.	1.4	26
12	Inclusive D*Â± meson and associated dijet production in deep-inelastic scattering at HERA. European Physical Journal C, 2007, 51, 271.	1.4	25
13	Measurement of charm and beauty dijet cross sections in photoproduction at HERA using the H1 vertex detector. European Physical Journal C, 2006, 47, 597-610.	1.4	24
14	A tunable electron beam source using trapping of electrons in a density down-ramp in laser wakefield acceleration. Scientific Reports, 2017, 7, 12229.	1.6	22
15	Measurement of isolated photon production in deep-inelastic scattering at HERA. European Physical Journal C, 2008, 54, 371-387.	1.4	20
16	Manipulation of the spatial distribution of laser-accelerated proton beams by varying the laser intensity distribution. Physics of Plasmas, 2016, 23, .	0.7	20
17	Dynamics of ionization-induced electron injection in the high density regime of laser wakefield acceleration. Physics of Plasmas, 2014, 21, .	0.7	18
18	Events with isolated leptons and missing transverse momentum andÂmeasurement of W production at HERA. European Physical Journal C, 2009, 64, 251-271.	1.4	16

#	Article	IF	Citations
19	Enhanced stability of laser wakefield acceleration using dielectric capillary tubes. Physical Review Special Topics: Accelerators and Beams, 2014, 17, .	1.8	16
20	Investigation of ionization-induced electron injection in a wakefield driven by laser inside a gas cell. Physics of Plasmas, 2016, 23, 023110.	0.7	16
21	Electron injector for compact staged high energy accelerator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 829, 304-308.	0.7	14
22	Inclusive D*Â± meson cross sections and D*Â±-jet correlations in photoproduction at HERA. European Physical Journal C, 2007, 50, 251-267.	1.4	13
23	Localization of ionization-induced trapping in a laser wakefield accelerator using a density down-ramp. Plasma Physics and Controlled Fusion, 2016, 58, 055009.	0.9	13
24	Highly efficient angularly resolving x-ray spectrometer optimized for absorption measurements with collimated sources. Review of Scientific Instruments, 2017, 88, 063102.	0.6	13
25	Proton acceleration by a pair of successive ultraintense femtosecond laser pulses. Physics of Plasmas, 2018, 25, .	0.7	13
26	Search for lepton flavour violation in ep collisions at HERA. European Physical Journal C, 2007, 52, 833-847.	1.4	12
27	A setup for studies of laser-driven proton acceleration at the Lund Laser Centre. Laser and Particle Beams, 2015, 33, 59-64.	0.4	11
28	Injection of electrons by colliding laser pulses in a laser wakefield accelerator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 829, 99-103.	0.7	11
29	Tau lepton production in ep collisions at HERA. European Physical Journal C, 2006, 48, 699-714.	1.4	10
30	Search for baryonic resonances decaying to ÎžÏ€ in deep-inelastic scattering at HERA. European Physical Journal C, 2007, 52, 507-514.	1.4	9
31	Reproducibility of electron beams from laser wakefield acceleration in capillary tubes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 740, 54-59.	0.7	8
32	Effects of the dopant concentration in laser wakefield and direct laser acceleration of electrons. New Journal of Physics, 2018, 20, 053011.	1.2	7
33	Optimization of soft X-ray phase-contrast tomography using a laser wakefield accelerator. Optics Express, 2018, 26, 33930.	1.7	7
34	Strangeness production at low Q 2 in deep-inelastic ep scattering at HERA. European Physical Journal C, 2009, 61, 185-205.	1.4	4
35	Three- and four-jet production at low x at HERA. European Physical Journal C, 2008, 54, 389.	1.4	2
36	Small-x phenomenology â€“ Summary of the 3rd Lund small-x workshop in 2004. , 0, .		1

#	Article	IF	Citations
37	Analysis of electron injection in laser wakefield acceleration using betatron emission in capillary tubes. Proceedings of SPIE, 2015, , .	0.8	0
38	Transverse expansion of the electron sheath during laser acceleration of protons. Physics of Plasmas, 2017, 24, 123109.	0.7	0