

Martin Hansson

List of Publications by Year in descending order

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38
papers

1,127
citations

471371

17
h-index

377752

34
g-index

38
all docs

38
docs citations

38
times ranked

4817
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of the dopant concentration in laser wakefield and direct laser acceleration of electrons. <i>New Journal of Physics</i> , 2018, 20, 053011.	1.2	7
2	Proton acceleration by a pair of successive ultraintense femtosecond laser pulses. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	13
3	Optimization of soft X-ray phase-contrast tomography using a laser wakefield accelerator. <i>Optics Express</i> , 2018, 26, 33930.	1.7	7
4	Highly efficient angularly resolving x-ray spectrometer optimized for absorption measurements with collimated sources. <i>Review of Scientific Instruments</i> , 2017, 88, 063102.	0.6	13
5	A tunable electron beam source using trapping of electrons in a density down-ramp in laser wakefield acceleration. <i>Scientific Reports</i> , 2017, 7, 12229.	1.6	22
6	Stable femtosecond X-rays with tunable polarization from a laser-driven accelerator. <i>Light: Science and Applications</i> , 2017, 6, e17086-e17086.	7.7	42
7	Transverse expansion of the electron sheath during laser acceleration of protons. <i>Physics of Plasmas</i> , 2017, 24, 123109.	0.7	0
8	Manipulation of the spatial distribution of laser-accelerated proton beams by varying the laser intensity distribution. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	20
9	Investigation of ionization-induced electron injection in a wakefield driven by laser inside a gas cell. <i>Physics of Plasmas</i> , 2016, 23, 023110.	0.7	16
10	Injection of electrons by colliding laser pulses in a laser wakefield accelerator. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 829, 99-103.	0.7	11
11	Electron injector for compact staged high energy accelerator. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 829, 304-308.	0.7	14
12	Localization of ionization-induced trapping in a laser wakefield accelerator using a density down-ramp. <i>Plasma Physics and Controlled Fusion</i> , 2016, 58, 055009.	0.9	13
13	Shock assisted ionization injection in laser-plasma accelerators. <i>Scientific Reports</i> , 2015, 5, 16310.	1.6	67
14	A setup for studies of laser-driven proton acceleration at the Lund Laser Centre. <i>Laser and Particle Beams</i> , 2015, 33, 59-64.	0.4	11
15	Analysis of electron injection in laser wakefield acceleration using betatron emission in capillary tubes. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
16	Down-ramp injection and independently controlled acceleration of electrons in a tailored laser wakefield accelerator. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2015, 18, .	1.8	37
17	Enhanced stability of laser wakefield acceleration using dielectric capillary tubes. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2014, 17, .	1.8	16
18	Dynamics of ionization-induced electron injection in the high density regime of laser wakefield acceleration. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	18

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19	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
20	Laser wakefield acceleration using wire produced double density ramps. Physical Review Special Topics: Accelerators and Beams, 2013, 16, .	1.8	33
21	Study of charm fragmentation into $D^*\hat{\Delta}\pm$ mesons in deep-inelastic scattering at HERA. European Physical Journal C, 2009, 59, 589-606.	1.4	26
22	Strangeness production at low Q^2 in deep-inelastic ep scattering at HERA. European Physical Journal C, 2009, 61, 185-205.	1.4	4
23	Measurement of the inclusive ep scattering cross section at low Q^2 and x at HERA. European Physical Journal C, 2009, 63, 625.	1.4	99
24	Events with isolated leptons and missing transverse momentum and measurement of W production at HERA. European Physical Journal C, 2009, 64, 251-271.	1.4	16
25	Measurement of isolated photon production in deep-inelastic scattering at HERA. European Physical Journal C, 2008, 54, 371-387.	1.4	20
26	Three- and four-jet production at low x at HERA. European Physical Journal C, 2008, 54, 389.	1.4	2
27	Diffraction open charm production in deep-inelastic scattering and photoproduction at HERA. European Physical Journal C, 2007, 50, 1-20.	1.4	39
28	Inclusive $D^*\hat{\Delta}\pm$ meson cross sections and $D^*\hat{\Delta}\pm$ -jet correlations in photoproduction at HERA. European Physical Journal C, 2007, 50, 251-267.	1.4	13
29	Inclusive $D^*\hat{\Delta}\pm$ meson and associated dijet production in deep-inelastic scattering at HERA. European Physical Journal C, 2007, 51, 271.	1.4	25
30	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
31	Search for baryonic resonances decaying to $\tilde{\chi}\tilde{\chi}$ in deep-inelastic scattering at HERA. European Physical Journal C, 2007, 52, 507-514.	1.4	9
32	Search for lepton flavour violation in ep collisions at HERA. European Physical Journal C, 2007, 52, 833-847.	1.4	12
33	Tau lepton production in ep collisions at HERA. European Physical Journal C, 2006, 48, 699-714.	1.4	10
34	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
35	Diffractive deep-inelastic scattering with a leading proton at HERA. European Physical Journal C, 2006, 48, 749-766.	1.4	105
36	Small- x phenomenology – Summary of the 3rd Lund small- x workshop in 2004. European Physical Journal C, 2006, 48, 53-105.	1.4	78

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37	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
38	Small-x phenomenology â€“ Summary of the 3rd Lund small-x workshop in 2004. , 0, .		1