

Zdenek Vykydal

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8296032/publications.pdf>

Version: 2024-02-01

308
papers

18,045
citations

10389

72
h-index

19749

117
g-index

310
all docs

310
docs citations

310
times ranked

10301
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of a Pu-Be source neutron spectrum at Czech Metrology Institute. Applied Radiation and Isotopes, 2021, 175, 109786.	1.5	1
2	Neutron spectral fluence and dose distribution inside a NYLON 6 phantom irradiated with pencil beam of high energy protons. Radiation Measurements, 2018, 109, 13-23.	1.4	5
3	Dosimetry in mixed neutron-gamma fields with a Timepix detector. Radiation Measurements, 2018, 119, 22-26.	1.4	6
4	CHARACTERISATION OF THE GRAPHITE MODERATED THERMAL NEUTRON FIELD AT CMI. Radiation Protection Dosimetry, 2018, 180, 51-55.	0.8	3
5	Dijet production in \sqrt{s} pp collisions with large rapidity gaps at the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 214-234.	4.1	29
6	The SATRAM Timepix spacecraft payload in open space on board the Proba-V satellite for wide range radiation monitoring in LEO orbit. Planetary and Space Science, 2016, 125, 114-129.	1.7	60
7	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	71
8	Constraints on non-Standard Model Higgs boson interactions in an effective Lagrangian using differential cross sections measured in the $H \rightarrow \tau^+\tau^-$ decay channel at $\sqrt{s}=8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 69-85.	4.1	31
9	Search for flavour-changing neutral current top-quark decays to qZ in pp collision data collected with the ATLAS detector at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 12.	3.9	39
10	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 87.	3.9	39
11	Search for charged Higgs bosons in the $H \rightarrow \tau^+\tau^-$ decay channel in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	43
12	Search for the electroweak production of supersymmetric particles in pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 69-85.	4.7	53
13	Search for magnetic monopoles and stable particles with high electric charges in pp collisions with the ATLAS detector. Physical Review D, 2016, 93, 012004.	4.7	29
14	Centrality, rapidity, and transverse momentum dependence of isolated prompt photon production in lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV measured with the ATLAS detector. Physical Review C, 2016, 93, 014907.	2.9	36
15	Search for magnetic monopoles and stable particles with high electric charges in pp collisions with the ATLAS detector. Physical Review D, 2016, 93, 012004.	4.7	11
16	Search for magnetic monopoles and stable particles with high electric charges in pp collisions with the ATLAS detector. Physical Review D, 2016, 93, 012004.	4.7	43
17	Production Cross Section for Z Collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2016, 93, 012004.	7.8	31
18	Search for new phenomena with photon-jet events in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13

#	ARTICLE	IF	CITATIONS
19	Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
20	Search for strong gravity in multijet final states produced in pp collisions at $s = 13 \sqrt{s} = 13 \sqrt{s}$ TeV using the ATLAS detector at the LHC. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
21	Measurements of four-lepton production in pp collisions at $\sqrt{s} = 8 \sqrt{s}$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy		
22	Measurement of the charge asymmetry in highly boosted top-quark pair production in pp collision data collected by the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 756, 52-71.		
23	Search for new phenomena in dijet mass and angular distributions from pp collisions at $\sqrt{s} = 2.76 \sqrt{s}$ TeV with ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 756, 302-322.	4.1	10
24	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at $s = 8 \sqrt{s} = 8 \sqrt{s}$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	49
25	Search for anomalous couplings in the W tb vertex from the measurement of double differential angular decay rates of single top quarks produced in the t-channel with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1-46.	4.7	13
26	Searches for scalar leptoquarks in pp collisions at $\sqrt{s} = 8 \sqrt{s}$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 5.	3.9	109
27	Measurements of the Higgs boson production and decay rates and coupling strengths using pp collision data at $\sqrt{s} = 7 \sqrt{s} = 7$ and $8 \sqrt{s}$ TeV in the ATLAS experiment. European Physical Journal C, 2016, 76, 6.	3.9	274
28	Measurements of fiducial cross-sections for $t \bar{t} \hat{A}$ production with one or two additional b-jets in pp collisions at $\sqrt{s} = 8 \sqrt{s}$ TeV using the ATLAS detector. European Physical Journal C, 2016, 76, 11.	3.9	54
29	Study of the $B_c^+ \rightarrow \psi D_s^+ B_c + \hat{A}^+ J / \hat{A}^- D_s +$ and $B_c^+ \rightarrow \psi D_s^+ B_c + \hat{A}^+ J / \hat{A}^- D_s^+ +$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 4.	3.9	40
30	Search for an additional, heavy Higgs boson in the $H \hat{A}^+ Z Z$ decay channel at $\sqrt{s} = 8 \sqrt{s} = 8$ TeV in pp collision data with the ATLAS detector. European Physical Journal C, 2016, 76, 45.	3.9	197
31	Search for massive supersymmetric particles decaying to many jets using the ATLAS detector in pp collisions at $\sqrt{s} = 8 \sqrt{s} = 8$ TeV. Physical Review D, 2015, 91, .	4.7	34
32	Observation and measurement of Higgs boson decays to $W W$ and $W Z$ using multitrack displaced vertices or displaced lepton pairs in pp collisions at $\sqrt{s} = 8 \sqrt{s} = 8$ TeV. Physical Review D, 2015, 92, .	4.7	110
33	Search for massive, long-lived particles using multitrack displaced vertices or displaced lepton pairs in pp collisions at $\sqrt{s} = 8 \sqrt{s} = 8$ TeV. Physical Review D, 2015, 92, .	4.7	91
34	Measurements of the top quark branching ratios into channels with leptons and quarks with the ATLAS detector. Physical Review D, 2015, 92, .	4.7	7
35	Measurements of the Total and Differential Higgs Boson Production Cross Sections Combining the $H \hat{A}^3$ and $H \hat{A}^3$ channels with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	7.8	48
36			

#	ARTICLE	IF	CITATIONS
37	Search for new phenomena in dijet angular distributions in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Physical Review Letters, 2015, 114, 221802.	2.9	27
38	Search for heavy neutral particles decaying to a photon and a measurement of the τ lepton lifetime in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Physical Review Letters, 2015, 114, 221802.	2.9	44
39	Search for vector-like quarks in events with one isolated lepton, missing transverse momentum, and jets at $\sqrt{s}=8$ TeV with the ATLAS detector. Physical Review Letters, 2015, 114, 221802.	4.7	36
40	Search for long-lived, weakly interacting particles that decay to displaced hadronic jets in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Physical Review D, 2015, 92, .	4.7	51
41	Search for high-mass diphoton resonances in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Physical Review D, 2015, 92, .	4.7	26
42	Search for new light gauge bosons in Higgs boson decays to four-lepton final states in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector at the LHC. Physical Review D, 2015, 92, .	4.7	61
43	Searches for Higgs boson pair production in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Physical Review D, 2015, 92, .	4.7	24
44	Search for photonic signatures of gauge-mediated supersymmetry in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Physical Review D, 2015, 92, .	4.7	99
45	Searches for Higgs boson pair production in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector at the LHC. Physical Review D, 2015, 92, .	4.7	191
46	Search for new phenomena in dijet angular distributions in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Physical Review Letters, 2015, 114, 221802.	4.7	48
47	Search for New Phenomena in Dijet Angular Distributions in Proton-Proton Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. Physical Review Letters, 2015, 114, 221802.	7.8	27
48	Search for a Heavy Neutral Particle Decaying to a Photon and a Measurement of the τ Lepton Lifetime in Proton-Proton Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. Physical Review Letters, 2015, 114, 221802.	7.8	20
49	Search for a Heavy Neutral Particle Decaying to a Photon and a Measurement of the τ Lepton Lifetime in Proton-Proton Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. Physical Review Letters, 2015, 114, 221802.	7.8	30
50	Search for Dark Matter in Events with Missing Transverse Momentum and a Higgs Boson Decaying to Two Photons in Proton-Proton Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. Physical Review Letters, 2015, 115, 131801.	7.8	49

#	ARTICLE	IF	CITATIONS
55	Measurement of the Ratio of b Quark Fragmentation Fractions Physical Review Letters, 2015, 115, 262001.	7.8	23
56	MPX detectors as LHC luminosity monitor. , 2015, , .		0
57	Modelling $Z \rightarrow \bar{l}l$, processes in ATLAS with $\bar{l}l$ -embedded $Z \rightarrow \bar{l}l\gamma$ data. Journal of Instrumentation, 2015, 10, P09018-P09018.	1.2	17
58	Measurement of the production of neighbouring jets in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 376-395.	4.1	16
59	Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	4
60	A search for high-mass resonances decaying to $\bar{l}l, \bar{l}l\gamma$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	23
61	Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1 interpreted in the phenomenological MSSM. Journal of High Energy Physics, 2015, 2015, 1.	4.7	55
62	Measurement of four-jet differential cross sections in $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-76.	4.7	11
63	Measurement of colour flow with the 3-jet pull angle in $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLAS detector and determination of the strong coupling constant α_s . Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 242-261.	4.1	23
64	Measurement of top-antitop production in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.1	18
65	Measurement of top-antitop production in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.1	43
66	A search for $t\bar{t}$ resonances using lepton-plus-jets events in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	66
67	Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	28
68	Measurement of charged-particle spectra in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	4.7	67
69	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	108
70	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.	4.7	78
71	Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at $\sqrt{s} = 7$ TeV in the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	40
72	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	84

#	ARTICLE	IF	CITATIONS
73	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	71
74	Search for new phenomena in events with three or more charged leptons in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	20
75	Summary of the searches for squarks and gluinos using $s = 8 \sqrt{s} = 8 \text{ TeV}$ pp collisions with the ATLAS experiment at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	4.7	60
76	Determination of the top-quark pole mass using $t \bar{t} + 1\text{-jet}$ events collected with the ATLAS experiment in 7 TeV pp collisions. Journal of High Energy Physics, 2015, 2015, 1.	4.7	25
77	Measurement of the $t \bar{t} W$ and $t \bar{t} Z$ production cross sections in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	22
78	Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-65.	4.7	19
79	Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-65. <small>Centrality and rapidity dependence of inclusive jet production in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 392-413.</small>	4.7	19
80	Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1. <small>Combined measurement of the Higgs boson mass in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS and CMS Experiments. Physics Review Letters, 2015, 114, 191803.</small>	4.7	36
81	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	7.8	1,062
82	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	42
83	Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at $s = 7 \sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	116
84	Characterization of the graphite pile as a source of thermal neutrons. Radiation Physics and Chemistry, 2015, 116, 65-68.	4.7	17
85	Search for $W' \rightarrow tb$ decays in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 165.	2.8	7
86	Search for $W' \rightarrow tb$ decays in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 165.	3.9	35
87	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2015, 75, 158.	3.9	17
88	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 208.	3.9	67
89	Study of $(W/Z)H$ production and Higgs boson couplings using $H \rightarrow WW$ decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	22
90	MPX Detectors as LHC Luminosity Monitor. IEEE Transactions on Nuclear Science, 2015, 62, 3225-3241.	2.0	15

#	ARTICLE	IF	CITATIONS
109	Measurement of Spin Correlation in Top-Antitop Quark Events and Search for Top Squark Pair Production in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Collisions	7.8	64
110	Measurement of the transverse polarization of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Collisions	4.7	18
111	Measurement of the transverse polarization of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Collisions	3.9	268
112	Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 79.	3.9	30
113	Search for resonant diboson production in the $\text{pp} \rightarrow \text{q} \bar{\text{q}} \text{g} \text{g}$ final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	3.9	74
114	Measurements of the W production cross sections in association with jets with the ATLAS detector. European Physical Journal C, 2015, 75, 82.	3.9	92
115	Search for dark matter in events with heavy quarks and missing transverse momentum in pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 92.	3.9	77
116	Measurement of the $t \bar{t}$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
117	Measurement of the $W W + W Z$ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	27
118	Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	33
119	Search for the $b \bar{b} \rightarrow \text{H}$ decay of the Standard Model Higgs boson in associated $(W/Z)H$ production with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	89
120	Measurement of the inclusive jet cross-section in proton-proton collisions at $\sqrt{s} = 7$ TeV using 4.5 fb $^{-1}$ of data with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	35
121	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with $\sqrt{s} = 8$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	60
122	Search for production of WW/WZ resonances decaying to a lepton, neutrino and jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 209.	3.9	79
123	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 120.	3.9	62
124	Search for invisible decays of the Higgs boson produced in association with a hadronically decaying vector boson in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 337.	3.9	39
125	Search for Higgs boson pair production in the $b \bar{b} \rightarrow \text{H} \text{H}$ final state from pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 412.	3.9	90
126	Determination of spin and parity of the Higgs boson in the $WW \rightarrow e \mu u \bar{u} \bar{t} \bar{t}'$ decay channel with the ATLAS detector. European Physical Journal C, 2015, 75, 231.	3.9	21

#	ARTICLE	IF	CITATIONS
127	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 299.	3.9	238
128	Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $u u + b \bar{b}$, $\bar{u} \bar{u}$, $\bar{d} \bar{d}$, $\bar{u} \bar{d}$, $\bar{d} \bar{u}$ final states with the ATLAS detector. European Physical Journal C, 2015, 75, 263.	3.9	60
129	Measurement of three-jet production cross-sections in pp collisions at $\sqrt{s}=8$ TeV centre-of-mass energy using the ATLAS detector. European Physical Journal C, 2015, 75, 228.	3.9	23
130	Constraints on the off-shell Higgs boson signal strength in the high-mass ZZ and WW final states with the ATLAS detector. European Physical Journal C, 2015, 75, 335.	3.9	95
131	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 303.	3.9	70
132	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. European Physical Journal C, 2015, 75, 476.	3.9	174
133	Observation and measurements of the production of prompt and non-prompt χ_{c0} mesons in association with a Z boson in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 229.	3.9	64
134	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $b \bar{b}$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 349.	3.9	123
135	Search for the associated production of the Higgs boson with a top quark pair in multilepton final states with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 519-541.	4.1	52
136	Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 318.	3.9	56
137	Search for heavy long-lived multi-charged particles in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. European Physical Journal C, 2015, 75, 362.	3.9	36
138	Two-particle Bose-Einstein correlations in pp collisions at $\sqrt{s}=0.9$ and 7 TeV measured with the ATLAS detector. European Physical Journal C, 2015, 75, 466.	3.9	42
139	Measurement of the top quark mass in the $t \rightarrow \text{lepton} + \text{jets}$ and $t \rightarrow \text{dilepton}$ channels using $\sqrt{s}=7$ TeV ATLAS data. European Physical Journal C, 2015, 75, 330.	3.9	52
140	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	82
141	The physics programme of the MoEDAL experiment at the LHC. International Journal of Modern Physics A, 2014, 29, 1430050.	1.5	93
142	Measurement of the total cross section from elastic scattering in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Nuclear Physics B, 2014, 889, 486-548.	2.5	155
143	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. European Physical Journal C, 2014, 74, 3130.	3.9	213
144	A neural network clustering algorithm for the ATLAS silicon pixel detector. Journal of Instrumentation, 2014, 9, P09009-P09009.	1.2	45

#	ARTICLE	IF	CITATIONS
145	Measurement of Higgs boson production in the diphoton decay channel in pp collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. <i>Physical Review D</i> , 2014, 90.	4.7	214
146	Comprehensive measurements of t -channel single top-quark production cross sections at the ATLAS detector. <i>Physical Review D</i> , 2014, 90.	4.7	68
147	Measurements of spin correlation in top-antitop quark events from proton-proton collisions at the ATLAS detector. <i>Physical Review D</i> , 2014, 90.	4.7	31
148	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2014, 74, 3117.	3.9	40
149	A measurement of the ratio of the production cross sections for WW and ZZ bosons in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , 2014, 74, 3168.	3.9	23
150	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at $\sqrt{s}=8$ TeV with ATLAS. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	45
151	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb ⁻¹ of $\sqrt{s}=8$ TeV proton-proton collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	12
152	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $\sqrt{s}=8$ TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	128
153	Search for nonpointing and delayed photons in the diphoton and missing transverse momentum final state in 8 TeV pp collisions at the LHC using the ATLAS detector. <i>Physical Review D</i> , 2014, 90.	4.7	41
154	Measurement of the $t\bar{t}\hat{\nu}$ production cross-section using $e\nu\bar{\nu}$ events with b -tagged jets in pp collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014, 74, 3109.	3.9	143
155	Search for WZ resonances in the fully leptonic channel using pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 738, 411-419.	4.1	11
156	Search for the Standard Model Higgs boson decay to $\tau\tau$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 738, 411-419.	4.1	58
157	Fiducial and differential cross sections of Higgs boson production measured in the four-lepton decay channel in pp collisions at the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 738, 411-419.	4.1	58
158	Search for new resonances in Wl and Zl final states in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 738, 411-419.	4.1	58
159	Measurement of inclusive jet-charged-particle fragmentation functions in Pb - Pb collisions at the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 739, 320-342.	2.76	121
160	Measurement of the cross-section of high transverse momentum vector bosons reconstructed as single jets and studies of jet substructure in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 739, 320-342.	2.9	24
161	Search for Quantum Black Hole Production in High-Invariant-Mass Lepton+Jet Final States Using pp Collisions at the ATLAS Detector. <i>Physical Review D</i> , 2014, 90.	7.8	35
162	Search for Quantum Black Hole Production in High-Invariant-Mass Lepton+Jet Final States Using pp Collisions at the ATLAS Detector. <i>Physical Review D</i> , 2014, 90.	7.8	35

#	ARTICLE	IF	CITATIONS
181	Search for pair-produced third generation squarks decaying via charm quarks or in compressed supersymmetric scenarios in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	126
182	Search for supersymmetry in events with four or more leptons in pp collisions with the ATLAS detector. Physical Review D, 2014, 90.	4.7	48
183	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	66
184	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s} = 7$ TeV in 2010. European Physical Journal C, 2014, 74, 3034.	3.9	58
185	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1.	3.9	172
186	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3134.	3.9	48
187	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3157.	3.9	68
188	Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3195.	3.9	46
189	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	41
190	Measurement of the Z/γ^* boson transverse momentum distribution in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	131
191	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at $\sqrt{s} = 8$ TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	38
192	Measurement of differential production cross-sections for a Z boson in association with b-jets in 7 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
193	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	47
194	Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	35
195	Search for Higgs boson decays to a photon and a Z boson in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High Energy Physics, 2014, 732, 8-27.	4.7	42
196	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	42
197	Measurement of the mass difference between top and anti-top quarks in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High Energy Physics, 2014, 732, 8-27.	4.1	8
198	Summary of the first year of medipix-based space radiation monitors on the ISS. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
199	Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at $s = 8 \sqrt{s} \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	40
200	Silicon sensors with pyramidal structures for neutron imaging. Journal of Instrumentation, 2014, 9, C04011-C04011.	1.2	8
201	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. European Physical Journal C, 2014, 74, 2941.	3.9	204
202	Measurement of the underlying event in jet events from $7 \sqrt{s} \sqrt{s} = 7 \text{ TeV}$ proton-proton collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 1.	3.9	23
203	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 2982.	3.9	22
204	Light-quark and gluon jet discrimination in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	3.9	77
205	Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	22
206	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s} = 8 \text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	88
207	Measurement of the production cross section of prompt J/ψ mesons in association with a W^\pm boson in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	35
208	Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	36
209	Measurement of the production of a W boson in association with a charm quark in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	59
210	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	145
211	Search for top quark decays $t \rightarrow qH$ with $H \rightarrow \tau^+\tau^-$ using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, .	4.7	35
212	Search for supersymmetry at $\sqrt{s} = 8 \text{ TeV}$ in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
213	Measurement of the low-mass Drell-Yan differential cross section at $s = 7 \text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	25
214	Search for direct top-quark pair production in final states with two leptons in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	59
215	Measurement of J/ψ and $\psi(2S)$ production with $\sqrt{s} = 7 \text{ TeV}$ pp collisions at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	4.7	32
216	Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	10

#	ARTICLE	IF	CITATIONS
217	Search for new particles in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
218	Search for direct top squark pair production in events with a Z boson, b-jets and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 2883.	3.9	55
219	Time-of-flight measurement of fast neutrons with Timepix detectors. Journal of Instrumentation, 2014, 9, C05048-C05048.	1.2	14
220	Search for new phenomena in photon + jet events collected in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 562-578.	1.2	16
221	Operation and performance of the ATLAS semiconductor tracker. Journal of Instrumentation, 2014, 9, P08009-P08009.	1.2	25
222	Standalone vertex finding in the ATLAS muon spectrometer. Journal of Instrumentation, 2014, 9, P02001-P02001.	1.2	15
223	Monitoring and data quality assessment of the ATLAS liquid argon calorimeter. Journal of Instrumentation, 2014, 9, P07024-P07024.	1.2	16
224	Quantum imaging monitoring and directional visualization of space radiation with timepix based SATRAM spacecraft payload in open space on board the ESA Proba-V satellite. , 2014, , .		1
225	Characterization of a Timepix detector-based hodoscope for the measurement of mixed radiation fields. , 2014, , .		1
226	Timepix-Based Miniaturized Radiation Micro-Tracker for the Micro-Satellite RISESAT. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2014, 12, Tr_7-Tr_11.	0.2	3
227	Measurement of the production cross section of jets in association with a Z boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73
228	Measurement of k_T splitting scales in $W\hat{+}a_{1/2}$ events at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 2432.	3.9	19
229	Measurement of the high-mass Drellian differential cross-section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 222-242.	4.7	102
230	Evidence for the spin-0 nature of the Higgs boson using ATLAS data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 120-144.	4.1	307
231	Measurements of Higgs boson production and couplings in diboson final states with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 88-119.	4.1	295
232	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	102
233	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.	4.7	71
234	Measurement of the differential cross-section of B + meson production in pp collisions at $\sqrt{s} = 7$ TeV at ATLAS. Journal of High Energy Physics, 2013, 2013, 1.	4.7	31

#	ARTICLE	IF	CITATIONS
235	Performance of jet substructure techniques for large-R jets in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	52
236	Measurement of jet shapes in top-quark pair events at $\sqrt{s}=7$ TeV using the ATLAS detector. European Physical Journal C, 2013, 73, 2676.	3.9	33
237	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	175
238	Measurement of the top quark charge in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	17
239	Search for long-lived, nearly mass-degenerate with the lightest neutralino based on a disappearing-track signature in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	110
240	Measuring radiation environment in LHC or anywhere else, on your computer screen with Medipix. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 699, 198-204.	1.6	19
241	Dynamics of isolated-photon plus jet production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	2.5	33
242	Measurement with the ATLAS detector of multi-particle azimuthal correlations in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Nuclear Physics B, 2013, 879, 483-535.	4.1	169
243	Measurement of top quark polarization in top-antitop events from proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review Letters, 2013, 111, 232002.	7.8	57
244	Search for excited electrons and muons in $\sqrt{s}=8$ TeV proton-proton collisions with the ATLAS detector. New Journal of Physics, 2013, 15, 093011.	2.9	23
245	Measurement of hard double-parton interactions in $W(\rightarrow e\bar{\nu}_e)$ + 2-jet events at $\sqrt{s}=7$ TeV with the ATLAS detector. New Journal of Physics, 2013, 15, 033038.	2.9	147
246	Search for W production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. New Journal of Physics, 2013, 15, 043009.	2.9	15
247	Observation of Associated Near-Side and Away-Side Long-Range Correlations in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review Letters, 2013, 110, 182302.	7.8	134
248	Search for W production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. New Journal of Physics, 2013, 15, 043009.	4.7	16
249	Search for long-lived stopped c and b quarks in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2013, 88, .	4.7	57
250	Search for microscopic black holes in a like-sign dimuon final state using large track multiplicity with the ATLAS detector. Physical Review D, 2013, 88, .	4.7	14
251	Measurement of the Azimuthal Angle Dependence of Inclusive Jet Yields in Pb+Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS Detector. Physical Review Letters, 2013, 111, 152301.	7.8	59
252	Triggers for displaced decays of long-lived neutral particles in the ATLAS detector. Journal of Instrumentation, 2013, 8, P07015-P07015.	1.2	48

#	ARTICLE	IF	CITATIONS
253	A highly miniaturized and sensitive thermal neutron detector for space applications. , 2012, , .		1
254	Neutron sources for test and calibration of neutron detectors for space research. , 2012, , .		2
255	Preparing for the first Medipix detectors in space. , 2012, , .		1
256	Medipix2 based CdTe microprobe for dental imaging. Journal of Instrumentation, 2011, 6, C12002-C12002.	1.2	3
257	3D sensitive voxel detector of ionizing radiation based on Timepix device. Journal of Instrumentation, 2011, 6, C01060-C01060.	1.2	26
258	Estimate of the neutron fields in ATLAS based on ATLAS-MPX detectors data. Journal of Instrumentation, 2011, 6, C01042-C01042.	1.2	1
259	Small Dosimeter based on Timepix device for International Space Station. Journal of Instrumentation, 2011, 6, C12037-C12037.	1.2	45
260	Design, implementation and first measurements with the Medipix2-MXR detector at the Compact Muon Solenoid experiment. Journal of Instrumentation, 2011, 6, P08005-P08005.	1.2	9
261	FITPix " fast interface for Timepix pixel detectors. Journal of Instrumentation, 2011, 6, C01079-C01079.	1.2	160
262	Analogue signal from common electrode of pixelated detector for triggering and spectroscopy. Journal of Instrumentation, 2011, 6, C11023-C11023.	1.2	5
263	Performance of the Medipix and Timepix devices for the recognition of electron-gamma radiation fields. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 650, 92-97.	1.6	17
264	Neutron measurements for advanced nuclear systems: The n_TOF project at CERN. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 3251-3257.	1.4	10
265	Remote control of ATLAS-MPX Network and Data Visualization. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 633, S45-S47.	1.6	1
266	USB Lite" Miniaturized readout interface for Medipix2 detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 633, S48-S49.	1.6	30
267	Fast neutron detection efficiency of ATLAS-MPX detectors for the evaluation of average neutron energy in mixed radiation fields. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 633, S226-S230.	1.6	7
268	Combined Medipix based imaging system with Si and CdTe sensor. , 2011, , .		3
269	Characterization of charge collection in various semiconductor sensors with energetic protons and Timepix device. , 2011, , .		4
270	Pixelman: a multi-platform data acquisition and processing software package for Medipix2, Timepix and Medipix3 detectors. Journal of Instrumentation, 2011, 6, C01046-C01046.	1.2	116

#	ARTICLE	IF	CITATIONS
271	X-ray based methods for 3D characterization of charge collection and homogeneity of sensors with the use of Timepix chip. , 2011, , .		1
272	The Neutron Time-Of-Flight Facility n _± TOF At CERN: Phase II. , 2011, , .		1
273	Past, Present and Future of the n _± TOF Facility at CERN. Journal of the Korean Physical Society, 2011, 59, 1620-1623.	0.7	4
274	Vectors and submicron precision: redundancy and 3D stacking in silicon pixel detectors. Journal of Instrumentation, 2010, 5, C06004-C06004.	1.2	9
275	Detection and Real Time Spectroscopy of Charged Particles with the TimePix Pixel Detector. , 2010, , .		4
276	Tracking and Radiation Field Measurement with Pixel Detectors. , 2010, , .		0
277	Spatially correlated and coincidence detection of fission fragments with the pixel detector Timepix. , 2010, , .		6
278	Micro-probe for medical radiation imaging based on Medipix2 detector. , 2009, , .		1
279	The Medipix2-based network for measurement of spectral characteristics and composition of radiation in ATLAS detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 607, 35-37.	1.6	29
280	Detection efficiency of ATLAS-MPX detectors with respect to neutrons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 607, 38-40.	1.6	15
281	The RELAXd project: Development of four-side tilable photon-counting imagers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 591, 241-244.	1.6	35
282	Detection of fast neutrons with the Medipix-2 pixel detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 591, 71-74.	1.6	25
283	Signal processor controlled USB2.0 interface for Medipix2 detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 591, 245-247.	1.6	13
284	Pixel detectors for imaging with heavy charged particles. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 591, 155-158.	1.6	94
285	X-ray fluorescence imaging with pixel detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 591, 67-70.	1.6	18
286	Pattern recognition of tracks induced by individual quanta of ionizing radiation in Medipix2 silicon detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 591, 287-290.	1.6	89
287	Study of the charge sharing in a silicon pixel detector by means of $\hat{1}\pm$ -particles interacting with a Medipix2 device. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 591, 38-41.	1.6	43
288	Low-energy nuclear transitions in subrelativistic laser-generated plasmas. Laser and Particle Beams, 2008, 26, 249-257.	1.0	12

#	ARTICLE	IF	CITATIONS
289	Evaluation of the ATLAS-MPX Devices for Neutron Field Spectral Composition Measurement in the ATLAS Experiment. , 2008, , .		8
290	Position-, spectral- and time-sensitive spectroscopy of fission fragments with TimePix pixel detectors. , 2008, , .		4
291	Evaluation of silicon Monolithic APS as a neutron detector. , 2008, , .		0
292	Event by event energy sensitive imaging with TimePix pixel detector and its application for gamma photon tracking. , 2008, , .		2
293	Position-Sensitive Nuclear Spectroscopy with Pixel Detectors. AIP Conference Proceedings, 2007, , .	0.4	3
294	Microradiography with Semiconductor Pixel Detectors. AIP Conference Proceedings, 2007, , .	0.4	2
295	Silicon Detectors for Neutron Imaging. AIP Conference Proceedings, 2007, , .	0.4	4
296	Directional radiation detector. , 2007, , .		6
297	Charge collection from proton and alpha particle tracks in silicon pixel detector devices. , 2007, , .		18
298	Position-sensitive spectroscopy of ²⁵² Cf fission fragments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 574, 472-478.	1.6	18
299	Phase contrast enhanced high resolution X-ray imaging and tomography of soft tissue. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 571, 69-72.	1.6	21
300	DIRECT THICKNESS CALIBRATION: WAY TO RADIOGRAPHIC STUDY OF SOFT TISSUES. , 2006, , .		9
301	Neutron imaging and tomography with Medipix2 and dental micro-roentgenography. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 569, 205-209.	1.6	16
302	Search for low-energy nuclear transitions in laser-produced plasma. European Physical Journal D, 2006, 56, B478-B484.	0.4	3
303	Experimental system for high resolution X-ray transmission radiography. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 563, 278-281.	1.6	40
304	USB interface for Medipix2 pixel device enabling energy and position-sensitive detection of heavy charged particles. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 563, 112-115.	1.6	137
305	Data acquisition and processing software package for Medipix2. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 563, 254-258.	1.6	156
306	Microradiographic Observation of Material Damage Structure. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
307	Neutron Radiography with Isotropic Illumination by Diffuse Source. , 0, , .		3
308	X-ray Micro Radiography Using Beam Hardening Correction. , 0, , .		1