

# Thomas Humanic

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83  
papers

3,497  
citations

31  
h-index

57  
g-index

86  
ext. papers

3,985  
ext. citations

4.5  
avg, IF

1.18  
L-index

#	Paper	IF	Citations
83	Suppression of high transverse momentum D mesons in central Pb-Pb collisions at ( $\sqrt{s_{\mathrm{NN}}}=2.76\mathrm{TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	214
82	Charged-particle multiplicity measurement in proton-proton collisions at ( $\sqrt{s}=0.9$ ) and 2.36 TeV with ALICE at LHC. <i>European Physical Journal C</i> , <b>2010</b> , 68, 89-108	4.2	179
81	Production of pions, kaons and protons in pp collisions at ( $\sqrt{s}=900\mathrm{GeV}$ ) with ALICE at the LHC. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	176
80	Charged-particle multiplicity measurement in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV with ALICE at LHC. <i>European Physical Journal C</i> , <b>2010</b> , 68, 345-354	4.2	173
79	Charmonium and pair photoproduction at mid-rapidity in ultra-peripheral Pb-Pb collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2617	4.2	150
78	Measurement of inelastic, single- and double-diffraction cross sections in proton-proton collisions at the LHC with ALICE. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2456	4.2	141
77	Strange particle production in proton-proton collisions at ( $\sqrt{s}=0.9$ ) ( $\mathrm{TeV}$ ) with ALICE at the LHC. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	127
76	Measurement of charm production at central rapidity in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	122
75	First proton-proton collisions at the LHC as observed with the ALICE detector: measurement of the charged-particle pseudorapidity density at ( $\sqrt{s}=900$ ) GeV. <i>European Physical Journal C</i> , <b>2010</b> , 65, 111-125	4.2	113
74	Measurement of pion, kaon and proton production in proton-proton collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2015</b> , 75, 226	4.2	105
73	Measurement of charm production at central rapidity in proton-proton collisions at ( $\sqrt{s}=2.76\mathrm{TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	102
72	Production of $K^*(892)^0$ and $\phi(1020)$ in pp collisions at ( $\sqrt{s}=7\mathrm{TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	99
71	Elliptic flow of identified hadrons in Pb-Pb collisions at ( $\sqrt{s_{\mathrm{NN}}}=2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	91
70	Production of [Formula: see text] and [Formula: see text] in proton-proton collisions at [Formula: see text] 7 TeV. <i>European Physical Journal C</i> , <b>2015</b> , 75, 1	4.2	82
69	Energy dependence of the transverse momentum distributions of charged particles in pp collisions measured by ALICE. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2662	4.2	75
68	Transverse momentum dependence of D-meson production in Pb-Pb collisions at ( $\sqrt{s_{\mathrm{NN}}}=2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	65
67	Production of $K^*(892)^0$ and $\phi(1020)$ in p-Pb collisions at [Formula: see text] = 5.02 TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 245	4.2	63

66	Measurement of quarkonium production at forward rapidity in [Formula: see text] collisions at [Formula: see text]TeV. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2974	4.2	63
65	Neutral pion production at midrapidity in pp and PbPb collisions at $(\sqrt{s_{\text{NN}}})=2.76,\text{TeV}$ ). <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	60
64	Transverse momentum spectra and nuclear modification factors of charged particles in pp, p-Pb and Pb-Pb collisions at the LHC. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	55
63	Measurement of charged jet suppression in Pb-Pb collisions at $(\sqrt{s_{\text{NN}}}) = 2.76$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	53
62	Transverse momentum dependence of inclusive primary charged-particle production in pPb collisions at $(\sqrt{s_{\text{NN}}})=5.02\text{TeV}$ ). <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	52
61	Measurement of event background fluctuations for charged particle jet reconstruction in Pb-Pb collisions at $(\sqrt{s_{\text{NN}}}) = 2.76,\text{TeV}$ . <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	51
60	Measurement of D-meson production at mid-rapidity in pp collisions at $(\sqrt{s}=7)$ TeV. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	47
59	Measurement of prompt J/ψ and beauty hadron production cross sections at mid-rapidity in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	42
58	Charged-particle multiplicities in proton-proton collisions at $(\sqrt{s} = 0.9)$ to 8 TeV. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	41
57	J/ψ production and nuclear effects in p-Pb collisions at $(\sqrt{s_{\text{NN}}}) = 5.02$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	35
56	Event-by-event mean $(\langle \vec{p}_T \rangle)$ fluctuations in pp and PbPb collisions at the LHC. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	35
55	Determination of the event collision time with the ALICE detector at the LHC. <i>European Physical Journal Plus</i> , <b>2017</b> , 132, 1	3.1	34
54	Measurement of charm and beauty production at central rapidity versus charged-particle multiplicity in proton-proton collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	33
53	Rapidity and transverse-momentum dependence of the inclusive J/ψ nuclear modification factor in p-Pb collisions at $(\sqrt{s_{\text{NN}}}) = 5.02$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	32
52	Measurement of D0, D+, D*+ and D+s production in Pb-Pb collisions at $(\sqrt{s_{\text{NN}}})=5.02$ TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	31
51	χc production in pp collisions at $(\sqrt{s}=7)$ TeV and in p-Pb collisions at $(\sqrt{s_{\text{NN}}})=5.02$ TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	31
50	Measurement of jet quenching with semi-inclusive hadron-jet distributions in central Pb-Pb collisions at $(\sqrt{s_{\text{NN}}})=2.76$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	30
49	Centrality dependence of high-pT D meson suppression in Pb-Pb collisions at $(\sqrt{s_{\text{NN}}})=2.76$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	29

48	Energy dependence and fluctuations of anisotropic flow in Pb-Pb collisions at ( $\sqrt{s_{\mathrm{NN}}}=5.02$ ) and 2.76 TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	29
47	Forward-backward multiplicity correlations in pp collisions at ( $\sqrt{s}$ ) = 0.9, 2.76 and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	28
46	Neutral kaon interferometry in Au+Au collisions at $\sqrt{s_{\mathrm{NN}}}=200$ GeV. <i>Physical Review C</i> , <b>2006</b> , 74,	2-7	27
45	Measurement of deuteron spectra and elliptic flow in Pb-Pb collisions at ( $\sqrt{s_{\mathrm{NN}}}$ ) = 2.76 TeV at the LHC. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4-2	25
44	Particle identification in ALICE: a Bayesian approach. <i>European Physical Journal Plus</i> , <b>2016</b> , 131, 1	3-1	25
43	Higher harmonic flow coefficients of identified hadrons in Pb-Pb collisions at ( $\sqrt{s_{\mathrm{NN}}}=2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	24
42	Inclusive, prompt and non-prompt $J/\psi$ production at mid-rapidity in Pb-Pb collisions at ( $\sqrt{s_{\mathrm{NN}}}=2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	24
41	Underlying Event measurements in pp collisions at ( $\sqrt{s}$ ) = 0.9) and 7 TeV with the ALICE experiment at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	24
40	Transverse sphericity of primary charged particles in minimum bias proton-proton collisions at ( $\sqrt{s}=0.9, 2.76$ and 7 TeV). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4-2	24
39	Anisotropic flow of identified particles in Pb-Pb collisions at ( $\sqrt{s_{\mathrm{NN}}}=5.02$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	24
38	Differential studies of inclusive $J/\psi$ and $\chi_{c2}$ production at forward rapidity in Pb-Pb collisions at ( $\sqrt{s_{\mathrm{NN}}}=2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	23
37	Centrality dependence of charged jet production in p-Pb collisions at [ $\sqrt{s_{\mathrm{NN}}}$ ] = 5.02 TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 271	4-2	23
36	( $\pi^0$ ) and ( $\eta$ ) meson production in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1	4-2	23
35	Mid-rapidity anti-baryon to baryon ratios in pp collisions at ( $\sqrt{s}$ ) = 0.9, 2.76 and 7 TeV) measured by ALICE. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4-2	23
34	Coherent $\rho$ photoproduction in ultra-peripheral Pb-Pb collisions at ( $\sqrt{s_{\mathrm{NN}}}=2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	23
33	Production of [ $\chi_{c2}$ ] and [ $\chi_{c1}$ ] in p-Pb collisions at [ $\sqrt{s_{\mathrm{NN}}}$ ] TeV. <i>European Physical Journal C</i> , <b>2017</b> , 77, 389	4-2	22
32	Centrality dependence of inclusive $J/\psi$ production in p-Pb collisions at ( $\sqrt{s_{\mathrm{NN}}}=5.02$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	20
31	Insight into particle production mechanisms via angular correlations of identified particles in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4-2	19

30	Inclusive quarkonium production at forward rapidity in pp collisions at [Formula: see text]TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 184	4.2	18
29	Charged-particle multiplicity distributions over a wide pseudorapidity range in proton-proton collisions at ( $\sqrt{s}=$ ) 0.9, 7, and 8 TeV. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	18
28	Multiplicity and transverse momentum evolution of charge-dependent correlations in pp, p-Pb, and Pb-Pb collisions at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 86	4.2	18
27	Measurement of D +s production and nuclear modification factor in Pb-Pb collisions at ( $\sqrt{\mathrm{s}}_{\mathrm{NN}}=2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	17
26	Neutral pion and ( $\eta$ ) meson production in pPb collisions at ( $\sqrt{s_{\mathrm{NN}}}$ ) = 5.02 TeV. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1	4.2	17
25	Suppression of ( $\Psi$ S) production in p-Pb collisions at ( $\sqrt{s_{\mathrm{NN}}}$ ) = 5.02 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	15
24	Energy dependence of forward-rapidity [Formula: see text] and [Formula: see text] production in pp collisions at the LHC. <i>European Physical Journal C</i> , <b>2017</b> , 77, 392	4.2	14
23	Measurement of azimuthal correlations of D mesons with charged particles in pp collisions at [Formula: see text]TeV and p-Pb collisions at [Formula: see text]TeV. <i>European Physical Journal C</i> , <b>2017</b> , 77, 245	4.2	13
22	Centrality dependence of ( $\Psi$ S) suppression in p-Pb collisions at ( $\sqrt{s}_{\mathrm{NN}}=5.02$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	12
21	Prompt and non-prompt ( $\chi$ / $\psi$ ) production and nuclear modification at mid-rapidity in pPb collisions at ( $\sqrt{s_{\mathrm{NN}}}=5.02$ ) TeV. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1	4.2	12
20	Inclusive photon production at forward rapidities in proton-proton collisions at ( $\sqrt{s}$ ) = 0.9, 2.76 and 7 TeV. <i>European Physical Journal C</i> , <b>2015</b> , 75, 1	4.2	10
19	Production of [Formula: see text] and [Formula: see text] mesons up to high transverse momentum in pp collisions at 2.76 TeV. <i>European Physical Journal C</i> , <b>2017</b> , 77, 339	4.2	10
18	Relative particle yield fluctuations in (text{ Pb-Pb }) collisions at ( $\sqrt{s_{\mathrm{NN}}}=2.76$ hbox { TeV}). <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	9
17	Measurement of D-meson production versus multiplicity in p-Pb collisions at ( $\sqrt{\mathrm{s}}_{\mathrm{NN}}=5.02$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	8
16	Searches for transverse momentum dependent flow vector fluctuations in Pb-Pb and p-Pb collisions at the LHC. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	6
15	Addendum to: Centrality dependence of high-pT D-meson suppression in Pb-Pb collisions at ( $\sqrt{\mathrm{s}}_{\mathrm{NN}}=2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	5
14	Dielectron production in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	5
13	W and Z boson production in p-Pb collisions at ( $\sqrt{s_{\mathrm{NN}}}=5.02$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	4

12	Predictions from a simple hadron rescattering model for pp collisions at the LHC. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2012</b> , 39, 015011	2.9	4
11	Inclusive $J/\psi$ production at forward and backward rapidity in p-Pb collisions at ( $\sqrt{s_{\mathrm{NN}}}=8.16$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	4
10	Measurement of the inclusive $J/\psi$ polarization at forward rapidity in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1	4.2	4
9	Extracting the hadronization timescale in $\sqrt{s}=7$ TeV proton-proton collisions from pion and kaon femtoscopy. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2014</b> , 41, 075105	2.9	2
8	$(\phi)$ meson production at forward rapidity in Pb-Pb collisions at ( $\sqrt{s_{\mathrm{NN}}}=2.76$ ) TeV. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1	4.2	2
7	Production of pions, kaons, (anti-)protons and $(\phi)$ mesons in Xe-Xe collisions at ( $\sqrt{s_{\mathrm{NN}}}=5.44$ ) TeV. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	2
6	Can hadronic rescattering explain the large elliptic flow and small HBT radii seen at RHIC?. <i>Acta Physica Hungarica A Heavy Ion Physics</i> , <b>2006</b> , 25, 1-9		1
5	Transverse-velocity scaling of femtoscopy in $\sqrt{s}=7, \mathrm{TeV}$ proton-proton collisions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2018</b> , 45, 055101	2.9	1
4			
3	Prompt $D_0$ , $D^+$ , and $D^{*+}$ production in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	1
2	Feasibility of studying the $\{K\}_0^*(700)$ resonance using $\pi^{\pm} \{K\}_0^{\pm}$ femtoscopy. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2019</b> , 46, 055001	2.9	0
1	Predictions of HBT parameters in Pb + Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV from a hadronic rescattering model. <i>Physics of Particles and Nuclei Letters</i> , <b>2011</b> , 8, 903-906	0.5	