

Yusuf Oguzhan GÃ¼naydin

List of Publications by Year in descending order

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121
papers

9,384
citations

28274

55
h-index

38395

95
g-index

125
all docs

125
docs citations

125
times ranked

8374
citing authors

#	ARTICLE	IF	CITATIONS
1	FCC-ee: The Lepton Collider. European Physical Journal: Special Topics, 2019, 228, 261-623.	2.6	424
2	Description and performance of track and primary-vertex reconstruction with the CMS tracker. Journal of Instrumentation, 2014, 9, P10009-P10009.	1.2	380
3	FCC-hh: The Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 755-1107.	2.6	367
4	Multiplicity and transverse momentum dependence of two- and four-particle correlations in pPb and PbPb collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 213-240.	4.1	354
5	FCC Physics Opportunities. European Physical Journal C, 2019, 79, 1.	3.9	346
6	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	320
7	Measurement of the properties of a Higgs boson in the four-lepton final state. Physical Review D, 2014, 89, .	4.7	299
8	Measurement of the $B_s \rightarrow 0 \hat{a}^{\prime}$ \hat{a}^{\prime} Branching Fraction and Search for $Z \rightarrow B$ Boson Pairs. Physical Review Letters, 2013, 110, 081803.	7.8	282
9	Study of the Mass and Spin-Parity of the Higgs Boson Candidate via Its Decays to $Z \rightarrow B$ Boson Pairs. Physical Review Letters, 2013, 110, 081803.	7.8	270
10			

#	ARTICLE	IF	CITATIONS
19	Evidence for the 125 GeV Higgs boson decaying to a pair of $\tilde{l},$ leptons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	123
20	Searches for long-lived charged particles in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	118
21	Measurement of jet fragmentation in PbPb and $\sqrt{s} = 2.76$ TeV pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	2.9	113
22	Observation of a peaking structure in the $\tilde{l} \rightarrow \tilde{l} + \gamma$ mass spectrum from $\sqrt{s} = 7$ and 8 TeV pp collisions at the LHC. Journal of High Energy Physics, 2014, 2014, 1.	4.1	112
23	Measurement of the associated production of a single top quark and a Higgs boson in $\sqrt{s} = 7$ and 8 TeV pp collisions at the LHC. Journal of High Energy Physics, 2014, 2014, 1.	4.1	110
24	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	7.8	108
25	HE-LHC: The High-Energy Large Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 1109-1382.	2.6	108
26	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	100
27	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.		

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37	Search for heavy narrow dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1. http://www.w3.org/1998/Math/MathML altimg="si1.gif" overflow="scroll" \sqrt{s} 7 TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.1	81
38	Determination of the top-quark pole mass and strong coupling constant from the production cross section in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.1	81
39	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	77
40	Search for Top-Quark Partners with Charge $\pm 2/3$ in the Same-Sign Dilepton Final State. <i>Physical Review Letters</i> , 2014, 112, 171801.	7.8	76
41	Study of exclusive two-photon production of $W+W\hat{a}^{\pm}$ in pp collisions at $\sqrt{s} = 7$ TeV and constraints on anomalous quartic gauge couplings. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	75
42	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>European Physical Journal C</i> , 2014, 74, 1.	3.9	75
43	Measurement of the $X(3872)$ production cross section via decays to $J/\psi\bar{\psi} + \bar{\psi}\hat{a}^{\pm}$ in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	73
44	Search for narrow resonances using the dijet mass spectrum in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	71
45	Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC. <i>European Physical Journal C</i> , 2013, 73, 2469.	4.7	70
46	Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC. <i>European Physical Journal C</i> , 2013, 73, 2469.	3.9	68
47	Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	68
48	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2014, 74, 3129.	3.9	65
49	Measurements of $W+W\hat{a}^{\pm}$ production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	64
50	Measurements of $W+W\hat{a}^{\pm}$ production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	7.8	63
51	Measurement of the $W+W\hat{a}^{\pm}$ cross section in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous $WW\hat{a}^3$ and WWZ couplings. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	62
52	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $\sqrt{s} = 7$ TeV and first determination of the strong coupling constant in the TeV range. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	60
53	A search for pair production of new light bosons decaying into muons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 752, 146-168.	4.1	59
54	Studies of jet mass in dijet and W/Z + jet events. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	58

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55	Measurement of the ratio of inclusive jet cross sections using the anti- k_R algorithm with radius parameters $R < 0.5$ and $R = 0.5$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	56
56	Event activity dependence of Υ (nS) production in $\sqrt{s} = 5.02$ TeV pPb and $\sqrt{s} = 2.76$ TeV pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	4.7	56
57	Measurement of masses in the \overline{tt} system by kinematic endpoints in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2494.	3.9	55
58	Measurement of associated W + charm production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	55
59	Search for gluino mediated bottom- and top-squark production in multijet final states in pp collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 243-270.	4.1	54
60	Search for a pseudoscalar boson decaying into a Z boson and the 125 GeV Higgs boson in $\sqrt{s} = 8$ TeV pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 221-243.	4.1	54
61	Search for supersymmetry in pp collisions at $\sqrt{s} = 8$ TeV in events with a single lepton, large jet multiplicity, and multiple b jets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 328-353.	4.1	54
62	Study of the underlying event at forward rapidity in pp collisions at $\sqrt{s} = 0.9, 2.76, 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	50
63	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV by the CMS and TOTEM experiments. European Physical Journal C, 2014, 74, 1.	3.9	49
64	Search for new physics in events with same-sign dileptons and jets in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	48
65	Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	47
66	Search for Top Squarks in Parity-Violating Supersymmetry Using Three or More Leptons and Tagged Jets. Physical Review Letters, 2013, 111, 221801.	7.8	47
67	Search for narrow resonances and quantum black holes in inclusive and b-tagged dijet mass spectra from pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	46
68	Angular analysis and branching fraction measurement of the decay $B \rightarrow K^* \mu^+ \mu^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 77-100.	4.1	45
69	Search for a Higgs boson decaying into a b-quark pair and produced in association with b quarks in proton-proton collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 207-232.	4.1	45
70	Measurement of associated production of vector bosons and top quark-antiquark pairs in $\sqrt{s} = 8$ TeV pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 77-100.	7.8	45
71	Search for Top Squark and Higgsino Production Using Diphoton Higgs Boson Decays. Physical Review Letters, 2014, 112, 161802.	7.8	45
72	Search for microscopic black holes in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	44

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73	Search for pair-produced dijet resonances in four-jet final states in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	7.8	43
74	Event shapes and azimuthal correlations in Z boson and top-quark pair production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.1	41
75	Measurement of four-jet production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2014, 89, 1.	4.7	40
76	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	39
77	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	39
78	Search for a new bottomonium state decaying to Z boson and top-quark pair in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.1	37
79	Measurement of the production cross section for a W boson and two b jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	37
80	Measurement of the production cross sections for Z boson and top-quark pair in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	37
81	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	37
82	Searches for light- and heavy-flavour three-jet resonances in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.1	36
83	Measurement of the top-quark mass in all-jets $t\bar{t}$ events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2758.	3.9	35
84	Search for $Z\gamma$ resonances decaying to dilepton+jets final states in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, 1.	4.7	34
85	Search for anomalous quartic gauge couplings in Z boson and top-quark pair production and constraints on anomalous quartic gauge couplings in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	32
86	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. Journal of High Energy Physics, 2013, 2013, 1.	4.7	32
87	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2674.	3.9	32
88	Alignment of the CMS tracker with LHC and cosmic ray data. Journal of Instrumentation, 2014, 9, P06009-P06009.	1.2	32
89	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	31
90	Measurement of the W-boson helicity in top-quark decays from $t\bar{t}$ production in lepton+jets events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	30

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91	Search for single production of scalar leptoquarks in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2016, 93, .	4.7	27
92	Measurement of the $\sigma(\text{ar} \rightarrow \text{ar})$ production cross section in the $\ell^+\ell^-$ jets channel in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	24
93	Search for third-generation scalar leptoquarks in the $\ell^+\ell^-$ channel in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
94	Measurement of WZ and ZZ production in pp collisions at $\sqrt{s}=8$ TeV in final states with b-tagged jets. European Physical Journal C, 2014, 74, 2973.	3.9	23
95	Measurements of the $\sigma(\text{ar} \rightarrow \text{ar})$ charge asymmetry using the dilepton decay channel in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	20
96	Measurement of charged pion production yields off the NuMI target. Physical Review D, 2014, 90, .	4.7	18
97	Measurement of the Λ_{b}^0 lifetime in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	17
98	Probing color coherence effects in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 2901.	3.9	17
99	Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	16
100	Measurement of jet multiplicity distributions in $\text{ar} \rightarrow \text{ar} \text{ t } \bar{\text{t}}$ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 3014.	3.9	16
101	Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
102	Search for supersymmetry with razor variables in $\text{pp} \rightarrow \text{ar} \text{ p} \text{ p}$ collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2014, 90, .	4.7	15
103	Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	14
104	Rapidity distributions in exclusive $\text{ar} \rightarrow \text{ar} \text{ Z} \text{ jet}$ and $\text{ar} \rightarrow \text{ar} \text{ Z} \text{ jet}$ events in $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	12
105	Search for baryon number violation in top-quark decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 731, 173-196.	4.1	12
106	Search for neutral MSSM Higgs bosons decaying to $\tau^+\tau^-$ in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 752, 221-246.	4.1	12
107	Charged kaon mass measurement using the Cherenkov effect. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 615, 27-32.	1.6	11
108	Search for new physics in final states with a lepton and missing transverse energy in pp collisions at the LHC. Physical Review D, 2013, 87, .	4.7	11

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109	Forward neutron production at the Fermilab Main Injector. <i>Physical Review D</i> , 2011, 83, .	4.7	9
110	Measurement of the mass difference between top quark and antiquark in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 770, 50-71.	4.1	9
111	Measurement of neutral strange particle production in the underlying event in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2013, 88, .	4.7	7
112	Electromagnetic and hadron calorimeters in the MIPP experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 598, 394-399.	1.6	6
113	Comparison of the $Z/\gamma \rightarrow \mu^+\mu^- + \text{jets}$ to $\gamma \rightarrow \mu^+\mu^- + \text{jets}$ cross sections in pp collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	6
114	Search for Excited u and d Quarks in Dijet Final States at Future pp Colliders. <i>Advances in High Energy Physics</i> , 2019, 2019, 1-11.	1.1	5
115	Resonance Production of Excited Σ Quark at FCC-based γp Colliders. <i>Acta Physica Polonica B</i> , 2018, 49, 1763.	0.8	5
116	Search for pair production of excited top quarks in the lepton + jets final state. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	4
117	New IceCube data and color octet neutrino interpretation of the PeV energy events. <i>International Journal of Modern Physics A</i> , 2015, 30, 1550163.	1.5	4
118	Search for $W\epsilon^2 \rightarrow t\bar{b}$ in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	3
119	Excited quarks production at FCC and SppC pp colliders. <i>International Journal of Modern Physics A</i> , 2019, 34, 1950169.	1.5	3
120	Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	1
121	Yüksek Enerjili-Büyük Hadron Çarpıştırtıcısında Foton+Jet Son Durumlu Spin-1/2 Uyarılmış Kuark Üretilmesi. <i>Yüksek Enerjili Fizik Dergisi</i> , 0, .	0.3	0