

Yusuf Oguzhan GÃ¼naydin

List of Publications by Year in descending order

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Version: 2024-02-01

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-hh: The Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 755-1107.	2.6	367
2	HE-LHC: The High-Energy Large Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 1109-1382.	2.6	108
3	FCC-ee: The Lepton Collider. European Physical Journal: Special Topics, 2019, 228, 261-623.	2.6	424
4	FCC Physics Opportunities. European Physical Journal C, 2019, 79, 1.	3.9	346
5	Search for Excited u and d Quarks in Dijet Final States at Future pp Colliders. Advances in High Energy Physics, 2019, 2019, 1-11.	1.1	5
6	Excited quarks production at FCC and SppC pp colliders. International Journal of Modern Physics A, 2019, 34, 1950169.	1.5	3
7	Resonance Production of Excited u Quark at FCC-based γp Colliders. Acta Physica Polonica B, 2018, 49, 1763.	0.8	5
8	Measurement of the mass difference between top quark and antiquark in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 50-71.	4.1	9
9	Search for single production of scalar leptoquarks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2016, 93, .	4.7	27
10	Search for $W\tilde{\chi}^0_1$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	3
11	Search for neutral MSSM Higgs bosons decaying to $\tilde{\chi}^0_{1,2}$ in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 752, 221-246.	4.1	12
12	A search for pair production of new light bosons decaying into muons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 752, 146-168.	4.1	59
13	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
14	Evidence for transverse-momentum- and pseudorapidity-dependent event-plane fluctuations in PbPb and $p\text{-Pb}$ collisions. Physical Review C, 2015, 92, .	2.9	140
15	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. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 221-243.	4.1	54
16	Search for third-generation scalar leptoquarks in the $t\bar{t}$ channel in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
17	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
18	Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	1

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19	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons. Journal of High Energy Physics, 2015, 2015, 1.	4.7	92
20	New IceCube data and color octet neutrino interpretation of the PeV energy events. International Journal of Modern Physics A, 2015, 30, 1550163.	1.5	4
21	Comparison of the $Z/\tilde{\chi}^0 \rightarrow \text{jets} + \text{jets}$ cross sections in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	6
22	Search for supersymmetry with razor variables in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review D, 2014, 90, .	4.7	15
23	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2014, 74, 3129.	3.9	65
24	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ by the CMS and TOTEM experiments. European Physical Journal C, 2014, 74, 1.	3.9	49
25	Measurement of the production cross section for a W boson and two b jets in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 204-205.	4.7	15
26	Alignment of the CMS tracker with LHC and cosmic ray data. Journal of Instrumentation, 2014, 9, P06009-P06009.	1.2	32
27	Measurement of jet fragmentation in PbPb and pp collisions at $\sqrt{s} = 2.76 \text{ TeV}$. Physical Review Letters, 2014, 112, 162002.	2.9	113
28	Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s} = 2.76 \text{ TeV}$. Physical Review C, 2014, 89, .	2.9	133
29	Search for Top Squark and Higgsino Production Using Diphoton Higgs Boson Decays. Physical Review Letters, 2014, 112, 161802.	7.8	45
30	Search for anomalous production of events with three or more leptons in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review D, 2014, 90, .	4.7	70
31	Measurements of Z Boson Production Cross Sections in pp Collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review Letters, 2014, 112, 162002.	7.8	94
32	Spin Correlations and Top-Quark Polarization Using Dilepton Final States in pp Collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review Letters, 2014, 112, 162002.	7.8	63
33	Search for Top-Quark Partners with Charge and Color. Physical Review Letters, 2014, 112, 162002.	7.8	76
34	Measurement of the Z Boson Production Cross Sections in pp Collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review Letters, 2014, 112, 162002.	4.7	37
35	Search for Flavor-Changing Neutral Currents in Top-Quark Decays. Physical Review Letters, 2014, 112, 162002.	4.7	161
36	Measurement of the Z Boson Production Cross Sections in pp Collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review Letters, 2014, 112, 162002.	7.8	64

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37	Measurement of the muon charge asymmetry in inclusive $W \rightarrow \mu \nu$ decays in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2014, 113, 132301.	4.7	83
38	Evidence of $W \rightarrow b \nu$ decays in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2014, 113, 132301.	7.8	85
39	Measurement of charged pion production yields off the NuMI target. Physical Review D, 2014, 90, .	4.7	18
40	Search for $W \rightarrow Z \nu$ and $W \rightarrow \tau \nu$ decays in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2014, 113, 132301.	4.7	18
41	Measurement of $W \rightarrow Z \nu$ and $W \rightarrow \tau \nu$ decays in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2014, 113, 132301.	4.7	56
42	Measurement of four-jet production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2014, 89, .	4.7	40
43	Measurement of the properties of a Higgs boson in the four-lepton final state. Physical Review D, 2014, 89, .	4.7	299
44	Description and performance of track and primary-vertex reconstruction with the CMS tracker. Journal of Instrumentation, 2014, 9, P10009-P10009.	1.2	380
45	Determination of the top-quark pole mass and strong coupling constant from the $t \rightarrow W b$ decay. Physical Review Letters, 2014, 113, 132301.	4.1	36
46	Measurement of the top-quark pole mass and strong coupling constant from the $t \rightarrow W b$ decay. Physical Review Letters, 2014, 113, 132301.	4.1	36
47	Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states. Journal of High Energy Physics, 2014, 2014, 1.	4.7	169
48	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	77
49	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
50	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
51	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 1.	3.9	75
52	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
53	Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes. European Physical Journal C, 2014, 74, 2980.	3.9	171
54	Measurement of jet multiplicity distributions in $t \bar{t}$ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 3014.	3.9	16

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55	Study of double parton scattering using $W + 2$ -jet events in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	85
56	Event activity dependence of Y (nS) production in $\sqrt{s_{NN}} = 5.02$ TeV pPb and $\sqrt{s} = 2.76$ TeV pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	4.7	56
57	Measurements of the $\overline{\mathit{t}}$ 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
58	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
59	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
60	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
61	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
62	Search for pair production of excited top quarks in the lepton + jets final state. Journal of High Energy Physics, 2014, 2014, 1.	4.7	4
63	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
64	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 2847.	3.9	85
65	Probing color coherence effects in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2901.	3.9	17
66	Inclusive search for a vector-like T quark with charge $\pm 2/3$ in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 729, 149-171.	4.1	110
67	Modification of jet shapes in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 729, 149-171.	4.1	144
68	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
69	Observation of a peaking structure in the W Boson in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 328-353.	7.8	108
70	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 328-353.	4.1	112
71	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	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
74	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
75	Study of exclusive two-photon production of $W+W^*$ in pp collisions at $\sqrt{s}=7$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2013, 2013, 1.	4.7	75
76	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
77	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
78	Studies of jet mass in dijet and W/Z + jet events. Journal of High Energy Physics, 2013, 2013, 1.	4.7	58
79	Measurement of the $X(3872)$ production cross section via decays to $J/\psi \epsilon + \bar{\psi} \hat{\nu}$ in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73
80	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
81	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. Journal of High Energy Physics, 2013, 2013, 1.	4.7	32
82	Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC. European Physical Journal C, 2013, 73, 2469.	3.9	68
83	Angular analysis and branching fraction measurement of the decay $B \rightarrow \bar{D}^* \ell^+ \nu_\ell$. Journal of High Energy Physics, 2013, 727, 77-100.	4.1	45
84	Search for a new bottomonium state decaying to $J/\psi \gamma$. Journal of High Energy Physics, 2013, 727, 77-100.	4.1	37
85	Measurement of the W production cross sections in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 727, 77-100.	4.1	88
86	Measurement of neutral strange particle production in the underlying event in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2013, 88, .	4.7	7
87	Measurement of the W -boson helicity in top-quark decays from $\overline{\text{t}} \rightarrow W b$ production in lepton+jets events in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	30
88	Search for supersymmetry in hadronic final states with missing transverse energy using the variables \hat{L}_\pm and b-quark multiplicity in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2013, 73, 2568.	3.9	147
89	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
90	Measurement of masses in the $\overline{\text{t}} \text{t}$ system by kinematic endpoints in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2494.	3.9	55

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91	Measurement of the $\sigma(\text{t}\bar{\text{t}})$ production cross section in the $\bar{\text{t}}\text{,}+\text{jets}$ channel in pp collisions at $\sqrt{s}=7\text{ TeV}$. European Physical Journal C, 2013, 73, 1.	3.9	24
92	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at $\sqrt{s}=7\text{ TeV}$. European Physical Journal C, 2013, 73, 2674.	3.9	32

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