

Sangam Banerjee

List of Publications by Year in descending order

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Version: 2024-02-01

334
papers

14,277
citations

16451

64
h-index

30087

103
g-index

346
all docs

346
docs citations

346
times ranked

12979
citing authors

#	ARTICLE	IF	CITATIONS
1	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 \sqrt{s} TeV. European Physical Journal C, 2015, 75, 212.	3.9	541
2	Study of high-p T charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{NN}}=2.76\text{--}7\text{ TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	369
3	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	3.9	342
4	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
5	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 235.	3.9	320
6	Enhancement of ferromagnetism upon thermal annealing in pure ZnO. Applied Physics Letters, 2007, 91, 182501.	3.3	287
7	Influence of Mn doping on the microstructure and optical property of ZnO. Materials Science in Semiconductor Processing, 2008, 11, 6-12.	4.0	273
8	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV. European Physical Journal C, 2014, 74, 3036.	3.9	241
9	Suppression of non-prompt J/ψ , prompt J/ψ , and $\Upsilon(1S)$ in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	200
10	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 542.	3.9	191
11	Giant magnetocaloric effect in antiferromagnetic ErRu ₂ Si ₂ compound. Applied Physics Letters, 2007, 91, .	3.3	181
12	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $\sqrt{s_{NN}}=2.76\text{--}7\text{ TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	181
13	Search for heavy neutrinos and W bosons with right-handed couplings in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2014, 74, 3149.	3.9	179
14			

#	ARTICLE	IF	CITATIONS
19	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at $\sqrt{s} = 0.9, 2.76, \text{ and } 7\text{-TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	154
20	Search for supersymmetry in hadronic final states with missing transverse energy using the variables $\hat{\pm} T$ and b-quark multiplicity in pp collisions at $\sqrt{s} = 8\text{ TeV}$. European Physical Journal C, 2013, 73, 2568.	3.9	147
21	Neutron-antineutron oscillations: Theoretical status and experimental prospects. Physics Reports, 2016, 612, 1-45.	25.6	138
22	A search for a doubly-charged Higgs boson in pp collisions at $\sqrt{s} = 7\text{ TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	129
23	Measurement of differential top-quark-pair production cross sections in pp collisions at $\sqrt{s} = 7\text{ TeV}$. European Physical Journal C, 2013, 73, 1.	3.9	125
24	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
25	Searches for long-lived charged particles in pp collisions at $\sqrt{s} = 7\text{ and } 8\text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	118
26	Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s} = 7\text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	117
27	Determination of small fluctuations in electron density profiles of thin films: Layer formation in a polystyrene film. Europhysics Letters, 1996, 36, 265-270.	2.0	100
28	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 8\text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	100
29	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $\sqrt{s_{NN}} = 2.76\text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	99
30	Search for supersymmetry in hadronic final states using M_{T2} in pp collisions at $\sqrt{s} = 7\text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	95
31	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
32	Interaction of Nucleobases with Wrinkled Graphene Surface: Dispersion Corrected DFT and AFM Studies. Journal of Physical Chemistry C, 2012, 116, 4374-4379.	3.1	88
33	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 8\text{ TeV}$. European Physical Journal C, 2015, 75, 147.	3.9	88
34	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{NN}} = 2.76\text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	85
35	Study of double parton scattering using W + 2-jet events in proton-proton collisions at $\sqrt{s} = 7\text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	85
36	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $\sqrt{s} = 8\text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	85

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37	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
38	Measurement of the single-top-quark t-channel cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	83
39	Morphology of thin silver film grown by dc sputtering on Si(001). Journal Physics D: Applied Physics, 1998, 31, L73-L77.	2.8	81
40	J/ψ and $\Upsilon(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	81
41	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	4.7	81
42	A comparative study on the structural, optical and magnetic properties of Fe_3O_4 and $Fe_3O_4@SiO_2$ core-shell microspheres along with an assessment of their potentiality as electrochemical double layer capacitors. Dalton Transactions, 2015, 44, 7190-7202.	3.3	79
43	Conductivity landscape of highly oriented pyrolytic graphite surfaces containing ribbons and edges. Physical Review B, 2005, 72, .	3.2	78
44	Magnetocaloric effect in Ho ₅ Pd ₂ : Evidence of large cooling power. Applied Physics Letters, 2007, 91, .	3.3	78
45	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	78
46	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
47	Core-shell model of the vacancy concentration and magnetic behavior for antiferromagnetic nanoparticle. Physical Review B, 2009, 80, .	3.2	76
48	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
49	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
50	Measurement of the W^+W^- cross section in pp collisions at $\sqrt{s} = 8$ TeV and limits on anomalous gauge couplings. European Physical Journal C, 2016, 76, 401.	3.9	74
51	Magnetocaloric effect in HoMnO ₃ crystal. Applied Physics Letters, 2010, 96, .	3.3	73
52	Measurement of the X(3872) production cross section via decays to $J/\psi + \Upsilon$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73
53	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. European Physical Journal C, 2015, 75, 251.	3.9	73
54	Measurement of the t-channel single-top-quark production cross section and of the $ V_{tb} $ CKM matrix element in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	70

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55	Structural, optical, and electrical characterization of gadolinium oxide films deposited by low-pressure metalorganic chemical vapor deposition. <i>Journal of Applied Physics</i> , 2004, 96, 5631-5637.	2.5	69
56	Measurement of the $\overline{\tau\tau}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	69
57	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	69
58	Search for anomalous production of multilepton events in pp collisions at $\sqrt{s} = 7, \text{TeV}$. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	68
59	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
60	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
61	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the TeV range. <i>European Physical Journal C</i> , 2015, 75, 186.	3.9	68
62	Magnetization Enhancement of Fe_3O_4 by Attaching onto Graphene Oxide: An Interfacial Effect. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21356-21365.	3.1	67
63	A facile route for the syntheses of $\text{Ni}(\text{OH})_2$ and NiO nanostructures as potential candidates for non-enzymatic glucose sensor. <i>Journal of Colloid and Interface Science</i> , 2018, 516, 121-127.	9.4	66
64	Influence of charge ordering on magnetocaloric properties of nanocrystalline $\text{Pr}_{0.65}(\text{Ca}_{0.75}\text{Sr}_{0.3})_{0.35}\text{MnO}_3$. <i>Applied Physics Letters</i> , 2008, 92, 212502.	3.3	65
65	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s}=7, \text{TeV}$. <i>European Physical Journal C</i> , 2014, 74, 3129.	3.9	65
66	Measurement of the sum of WW and WZ production with W +dijet events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. <i>European Physical Journal C</i> , 2013, 73, 2283.	3.9	64
67	Electronic properties of nano-graphene sheets calculated using quantum chemical DFT. <i>Computational Materials Science</i> , 2008, 44, 41-45.	3.0	62
68	Measurement of the $W+W\gamma$ cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ and limits on anomalous $WW\gamma^3$ and WWZ couplings. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	62
69	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s}=8, \text{TeV}$. <i>European Physical Journal C</i> , 2016, 76, 13.	3.9	62
70	Enhanced conductivity in graphene layers and at their edges. <i>Applied Physics Letters</i> , 2006, 88, 062111.	3.3	61
71	Measurement of prompt J/ψ pair production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	61
72	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ and first determination of the strong coupling constant in the TeV range. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	60

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73	Search for anomalous t production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
74	Jet production rates in association with W and Z bosons in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
75	Studies of jet mass in dijet and W/Z + jet events. Journal of High Energy Physics, 2013, 2013, 1.	4.7	58
76	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $\sqrt{s_{\text{NN}}} = 5.02 \text{ TeV}$. European Physical Journal C, 2015, 75, 237.	3.9	58

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91	Study of the underlying event at forward rapidity in pp collisions at $\sqrt{s}=0.9, 2.76, \text{and } 7 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	50
92	Magnetic field induced electrochemical performance enhancement in reduced graphene oxide anchored Fe_3O_4 nanoparticle hybrid based supercapacitor. Journal Physics D: Applied Physics, 2018, 51, 375501.	2.8	50
93	Structural, magnetic, and transport properties of nanoparticles of the manganite $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$. Journal of Applied Physics, 2007, 101, 124307.	2.5	49
94	Search for new physics with jets and missing transverse momentum in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	49
95	Search for leptonic decays of $W\epsilon^2$ bosons in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	49
96	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
97	Search for new physics in events with same-sign dileptons and jets in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	48
98	Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	47
99	Search for narrow resonances and quantum black holes in inclusive and b-tagged dijet mass spectra from pp collisions at $\sqrt{s}=7 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	46
100	Search for disappearing tracks in proton-proton collisions at $\sqrt{s}=8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	46
101	Search for heavy bottom-like quarks in 4.9 fb^{-1} of pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	45
102	Search for microscopic black holes in pp collisions at $\sqrt{s}=8 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	44
103	Optimized luminescence properties of Mn doped ZnS nanoparticles for photovoltaic applications. Journal of Applied Physics, 2013, 113, .	2.5	44
104	Search for decays of stopped long-lived particles produced in proton-proton collisions at $\sqrt{s}= 8 \text{ TeV}$. European Physical Journal C, 2015, 75, 151.	3.9	44
105	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2014, 74, 3060.	3.9	43
106	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	43
107	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at $\sqrt{s}=8 \text{ TeV}$. European Physical Journal C, 2015, 75, 325.	3.9	43
108	Ferromagnetism in zinc sulfide nanocrystals: Dependence on manganese concentration. Physical Review B, 2007, 75, .	3.2	42

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109	Measurement of the top-quark mass in $\overline{\text{t}}\text{t}$ events with dilepton final states in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	42
110	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	41
111	Search for same-sign top-quark pair production at $\sqrt{s}=7$ TeV and limits on flavour changing neutral currents in the top sector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	40
112	A highly efficient non-enzymatic glucose biosensor based on a nanostructured NiTiO ₃ /NiO material. New Journal of Chemistry, 2015, 39, 8035-8043.	2.8	40
113	Anomalous magnetic behavior of CuO nanoparticles. Solid State Communications, 2010, 150, 884-887.	1.9	39
114	Inclusive b-jet production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
115	Measurement of the $Z\ell^+\ell^-b$ -jet cross section in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
116	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
117	Measurement of the ZZ production cross section and search for anomalous couplings in $2\ell^+\ell^-$ final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	39
118	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
119	Measurement of the top-quark mass in $\overline{\text{t}}\text{t}$ events with lepton+jets final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	38
120	Change in the room temperature magnetic property of ZnO upon Mn doping. Journal of Applied Physics, 2008, 104, 043913.	2.5	37
121	Finite size versus surface effects on magnetic properties of antiferromagnetic particles. Applied Physics Letters, 2011, 99, .	3.3	37
122	Contrasting Magnetic Properties of Thermally and Chemically Reduced Graphene Oxide. Journal of Physical Chemistry C, 2014, 118, 13254-13259.	3.1	37
123	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
124	Measurement of the Drell-Yan cross section in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	36
125	Manganese-incorporated iron(III) oxide-graphene magnetic nanocomposite: synthesis, characterization, and application for the arsenic(III)-sorption from aqueous solution. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	36
126	X-ray-reflectivity study of Ge-Si-Ge films. Physical Review B, 1996, 54, 16377-16380.	3.2	35

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127	Magnetocaloric properties of nanocrystalline Pr _{0.65} (Ca _{0.6} Sr _{0.4}) _{0.35} MnO ₃ . Journal of Applied Physics, 2008, 103, .	2.5	35
128	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
129	Observation of Z decays to four leptons with the CMS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
130	Search for microscopic black holes in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
131	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or 3 b-quark jets in 7 TeV pp collisions using the variable \hat{t} . Journal of High Energy Physics, 2013, 2013, 1.	4.7	34
132	Searches for supersymmetry using the M _{T2} variable in hadronic events produced in pp collisions at 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	34
133	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	33
134	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	33
135	Effect of self-affine fractal characteristics of surfaces on wetting. Applied Physics Letters, 2010, 96, .	3.3	32
136	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in events with a single lepton, jets, and missing transverse momentum. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
137	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. Journal of High Energy Physics, 2013, 2013, 1.	4.7	32
138	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
139	Large exchange bias and magnetocaloric effect in TbMn ₂ Si ₂ . Journal of Applied Physics, 2014, 116, .	2.5	32
140	Measurements of the $Z \rightarrow \mu\mu$ production cross sections in the $Z \rightarrow \mu\mu$ channel in proton-proton collisions at $\sqrt{s} = 7$ and $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 511.	3.9	32
141	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
142	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 66.	3.9	31
143	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	30
144	Search for a Higgs boson in the decay channel $H \rightarrow ZZ \rightarrow q\bar{q} \gamma\gamma$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	30

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145	Measurement of the W -boson helicity in top-quark decays from $\overline{t}t$ production in lepton+jets events in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	30
146	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
147	Selective Growth of Co-electrodeposited Mn ₂ O ₃ -Au Spherical Composite Network Towards Enhanced Non-enzymatic Hydrogen Peroxide Sensing. Electrochimica Acta, 2015, 174, 853-863.	5.2	30
148	Anomalous behaviour of magnetic coercivity in graphene oxide and reduced graphene oxide. Journal of Applied Physics, 2014, 115, .	2.5	29
149	Effect of excess Ni on martensitic transition, exchange bias and inverse magnetocaloric effect in Ni _{2+x} Mn _{1.4-2x} Sn _{0.6} alloy. Journal of Alloys and Compounds, 2014, 600, 55-59.	5.5	27
150	Study of Z production in PbPb and pp collisions at $\sqrt{s_{NN}}=2.76$ TeV in the dimuon and dielectron decay channels. Journal of High Energy Physics, 2015, 2015, 1.	4.7	27
151	Multifunctional Reduced Graphene Oxide Wrapped Circular Au Nanoplatelets: Enhanced Photoluminescence, Excellent Surface-Enhanced Raman Scattering, Photocatalytic Water Splitting, and Non-Enzymatic Biosensor. ACS Applied Nano Materials, 2018, 1, 3945-3955.	5.0	27
152	Spin glasslike behavior and magnetic enhancement in nanosized Ni-Zn ferrite system. Journal of Applied Physics, 2010, 108, 034307.	2.5	26
153	Search for resonant $\overline{t}t$ production in lepton+jets events in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
154	Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	26
155	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2\ell, 2\ell\gamma$ channel in pp collisions at $\sqrt{s} = 7, 8$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
156	Measurement of the production cross section for pairs of isolated photons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
157	Search for $W \rightarrow tb$ decays in the lepton + jets final state in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	26
158	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	26
159	Core-shell gold-silver hollow nanocubes for higher SERS enhancement and non-enzymatic biosensor. Materials Chemistry and Physics, 2020, 239, 122113.	4.0	26
160	Recent advances in characterization of ultra-thin films using specular X-ray reflectivity technique. Thin Solid Films, 2004, 450, 23-28.	1.8	25
161	Measurement of energy flow at large pseudorapidities in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	25
162	Measurement of the $\overline{t}t$ 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

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163	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
164	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
165	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
166	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
167	Enhancement of photoluminescence emission and anomalous photoconductivity properties of Fe ₃ O ₄ @SiO ₂ core-shell microspheres. RSC Advances, 2015, 5, 37729-37736.	3.6	23
168	Electrical resistivities of $\hat{\Gamma}$ -phase Fe _x Ni _{80-x} Cr ₂₀ alloys. Physical Review B, 1994, 50, 8195-8206.	3.2	22
169	Comparative studies of magnetocaloric effect and magnetotransport behavior in GdRu ₂ Si ₂ compound. Journal of Applied Physics, 2008, 104, .	2.5	22
170	Search for physics beyond the standard model in events with \bar{t} , leptons, jets, and large transverse momentum imbalance in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2493.	3.9	22
171	Superparamagnetic behavior of nanosized Co _{0.2} Zn _{0.8} Fe ₂ O ₄ synthesized by a flow rate controlled chemical coprecipitation method. Physica B: Condensed Matter, 2014, 448, 247-252.	2.7	22
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