

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	Evolution of magnetic and transport properties in the Cu-doped pyrochlore iridate $(\text{Eu}_{1-x}\text{Nd}_x)_2\text{Ir}_2\text{O}_7$. <i>Physical Review B</i> , 2022, 105, .		
2	Magnetic and transport properties of inverse Heusler compound Cr_2CoAl . <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 521, 167522.	2.3	7
3	Core-shell gold @silver hollow nanocubes for higher SERS enhancement and non-enzymatic biosensor. <i>Materials Chemistry and Physics</i> , 2020, 239, 122113.	4.0	26
4	Role of d - d exchange interaction and Kondo scattering in the Nd-doped pyrochlore iridate $(\text{Eu}_{1-x}\text{Nd}_x)_2\text{Ir}_2\text{O}_7$. <i>Physical Review B</i> , 2020, 102, .	3.2	6
5	Magnetic properties of $\text{Co}_{2-x}\text{Cr}_1+x\text{Al}$ ($x=0,0.4$). <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
6	Origin of magnetoresistance across the martensitic transformation: formation of phase fraction. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 205301.	2.8	4
7	Cr doping mimicking the field induced magnetic transition in $\text{ErRu}_2\text{CrSi}_2$. <i>Physica B: Condensed Matter</i> , 2019, 572, 195-198.	2.7	1
8	Flower-Like MoS_2 for Next-Generation High-Performance Energy Storage Device Applications. <i>Microscopy and Microanalysis</i> , 2019, 25, 1394-1400.	0.4	7
9	Negative magnetization in inverse Heusler alloy Cr_2CoAl . <i>AIP Conference Proceedings</i> , 2019, , .	0.4	2
10	An alternative electron transfer process for selective detection of glucose in blood serum. <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 116-123.	7.8	10
11	Electroless Deposition of Pd Nanostructures for Multifunctional Applications as Surface-Enhanced Raman Scattering Substrates and Electrochemical Nonenzymatic Sensors. <i>ACS Applied Nano Materials</i> , 2019, 2, 2503-2514.	5.0	7
12	Can one introduce long range ferromagnetism by doping transition metal in wide band gap semiconducting ZnO ?. <i>Results in Physics</i> , 2019, 12, 623-628.	4.1	5
13	Superparamagnetic behavior of nanosized ZnFe_2O_4 . <i>Materials Today: Proceedings</i> , 2018, 5, 9855-9859.	1.8	9
14	Magnetic properties and large reversible magnetocaloric effect in Er_3Pd_2 . <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 456, 236-240.	2.3	16
15	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
16	Magnetic behavior of nanostructured NiTiO_3 and NiO material: Anomalous increase in coercivity. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 448, 221-227.	2.3	7
17	Magnetocaloric as a sensitive tool to study magnetic phase in $\text{Ca}_4\text{Mn}_3\text{O}_{10}\cdot\text{H}_2\text{O}$. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 448, 292-297.	2.3	1
18	Magnetocaloric behavior of Mn rich $\text{Ni}_{46}\text{Cu}_2\text{Mn}_{43}\text{In}_{11}$ alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 305, 012011.	0.6	0

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19	Magnetization Enhancement of Fe ₃ O ₄ by Attaching onto Graphene Oxide: An Interfacial Effect. Journal of Physical Chemistry C, 2018, 122, 21356-21365.	3.1	67
20	Magnetic field induced electrochemical performance enhancement in reduced graphene oxide anchored Fe ₃ O ₄ nanoparticle hybrid based supercapacitor. Journal Physics D: Applied Physics, 2018, 51, 375501.	2.8	50
21	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
22	Rectification and Amplification of Ionic Current in Planar Graphene/Graphene-Oxide Junctions: An Electrochemical Diode and Transistor. Journal of Physical Chemistry C, 2018, 122, 11378-11384.	3.1	6
23	Facile One-Pot Synthesis of Yolk-Shell Structured Ni Doped Mesoporous Silica and Its Application in Enzyme-Free Glucose Sensor. ChemistrySelect, 2018, 3, 6029-6034.	1.5	5
24	Exploration of Magnetic Entropy Change Across the Martensite Transformation to Ni ₄₄ Co ₂ Mn ₄₃ In ₁₁ Alloy. Science of Advanced Materials, 2018, 10, 785-792.	0.7	0
25	Magnetic ground state and giant spontaneous exchange bias in Ni ₄₆ Mn ₄₃ In ₁₁ alloy. Journal of Magnetism and Magnetic Materials, 2017, 429, 110-116.	2.3	14
26	Non-enzymatic H ₂ O ₂ sensing and photodetection study using Au-TiO ₂ nanocomposite. AIP Conference Proceedings, 2017, , .	0.4	2
27	Nanometric MgFe ₂ O ₄ : Synthesis, characterization and its application towards supercapacitor and electrochemical uric acid sensor. AIP Conference Proceedings, 2017, , .	0.4	2
28	Large polaron tunneling, magnetic and impedance analysis of magnesium ferrite nanocrystallite. Applied Surface Science, 2017, 413, 149-159.	6.1	15
29	Anomalous magnetoresistive behavior in Ni ₄₄ Co ₂ Mn ₄₃ In ₁₁ alloy. AIP Advances, 2017, 7, 085005.	1.3	0
30	Dielectric characteristics of MgFe ₂ O ₄ ferrite prepared by sol-gel auto-combustion method. Materials Today: Proceedings, 2017, 4, 5525-5531.	1.8	14
31	Photon Upconversion in 3D Dendritic Fe_2O_3 . Materials Today: Proceedings, 2017, 4, 5620-5624.	1.8	1
32	Measurement of the $\sigma_{W^+W^-}$ 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
33	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	20
34	Search for $W \rightarrow t\bar{b}$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	3
35	Search for the production of an excited bottom quark decaying to tW in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	5
36	A highly sensitive non-enzymatic hydrogen peroxide and hydrazine electrochemical sensor based on 3D micro-snowflake architectures of Fe_2O_3 . RSC Advances, 2016, 6, 59907-59918.	3.6	56

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37	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 $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
38	Neutron-antineutron oscillations: Theoretical status and experimental prospects. Physics Reports, 2016, 612, 1-45.	25.6	138
39	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 13.	3.9	62
40	Evidence of power law decay of superexchange coupling in a disordered two-dimensional μ -electron system. Physical Review B, 2015, 91, .	3.2	0
41	Magnetic enhancement and coding in mechanosynthesized $\text{Ni}_0.3\text{Zn}_0.7\text{Fe}_2\text{O}_4$ nanoparticles. AIP Conference Proceedings, 2015, , .	0.4	1
42	3D dendritic μ -Fe $_2\text{O}_3$ nano-architectures: Synthesis and its application on electrochemical non-enzymatic H $_2\text{O}_2$ sensing. AIP Conference Proceedings, 2015, , .	0.4	2
43	Electrodeposited nanostructured MnO $_2$ for non-enzymatic hydrogen peroxide sensing. AIP Conference Proceedings, 2015, , .	0.4	2
44	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
45	Search for third-generation scalar leptoquarks in the $t\bar{t}$ channel in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
46	Searches for supersymmetry using the M $_T^2$ variable in hadronic events produced in pp collisions at 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	34
47	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	37
48	Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	20
49	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	12
50	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
51	Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	1
52	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
53	CMS muon system phase 2 upgrade with triple-GEM detectors. , 2015, , .		0
54	Enhancement of photoluminescence emission and anomalous photoconductivity properties of Fe $_3\text{O}_4$ @SiO $_2$ core-shell microspheres. RSC Advances, 2015, 5, 37729-37736.	3.6	23

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55	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 TeV. European Physical Journal C, 2015, 75, 212.	3.9	541
56	Measurement of the $Z\bar{\nu}\nu$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. Journal of High Energy Physics, 2015, 2015, 1.	4.7	11
57	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. European Physical Journal C, 2015, 75, 186.	3.9	68
58	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
59	Measurements of the $Z\bar{\nu}\nu$ production cross sections in the $2u\bar{2}l\bar{2}l\bar{1}/2$ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. European Physical Journal C, 2015, 75, 511.	3.9	32
60	Comparison of the $Z/\bar{\nu}\nu + \text{jets}$ to $\bar{\nu}\nu + \text{jets}$ cross sections in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	6
61	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
62	Oxidative Tearing of Graphene Sheets: Insights into the Probable Situations by Computational and Experimental Studies. Journal of Physical Chemistry C, 2015, 119, 951-959.	3.1	2
63	Fluorescence resonance energy transfer and surface Plasmon resonance induced enhanced photoluminescence and photoconductivity property of Au-TiO ₂ metal-semiconductor nanocomposite. Optical Materials, 2015, 40, 97-101.	3.6	17
64	A comparative study on the structural, optical and magnetic properties of Fe ₃ O ₄ and Fe ₃ O 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
65	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
66	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
67	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
68	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
69	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 147.	3.9	88
70	Search for decays of stopped long-lived particles produced in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 151.	3.9	44
71	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
72	Measurement of the ratio of the production cross sections times branching fractions of $B_c \rightarrow \bar{c}l\bar{\nu}$ and $B_c \rightarrow \bar{c}l\bar{\nu} + \text{gluons}$ and $B_c \rightarrow \bar{c}l\bar{\nu} + \text{gluons} + \text{gluons}$ and $B_c \rightarrow \bar{c}l\bar{\nu} + \text{gluons} + \text{gluons} + \text{gluons}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	17

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73	Search for disappearing tracks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	46
74	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
75	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
76	Structural and electrochemical analysis of a novel co-electrodeposited $\text{Mn}_2\text{O}_3/\text{Au}$ nanocomposite thin film. Dalton Transactions, 2015, 44, 9158-9169.	3.3	22
77	Origin of cluster spin glass and nuclear Schottky anomaly in Mn 50 Ni 38.5 Sn 11.5 alloy. Europhysics Letters, 2015, 109, 47006.	2.0	20
78	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	10
79	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
80	Effect of interfacial pinning on the thermo-remanent magnetization of disorder Mn50Ni38.5Sn11.5 alloy. Journal of Magnetism and Magnetic Materials, 2015, 396, 26-30.	2.3	1
81	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 288.	3.9	54
82	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2015, 75, 237.	3.9	58
83	Distributions of topological observables in inclusive three- and four-jet events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 302.	3.9	6
84	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 325.	3.9	43
85	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
86	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3060.	3.9	43
87	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 3129.	3.9	65
88	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
89	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
90	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

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91	Measurement of prompt J/ψ pair production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	61
92	Large exchange bias and magnetocaloric effect in TbMn ₂ Si ₂ . Journal of Applied Physics, 2014, 116, .	2.5	32
93	Overcoming inherent magnetic instability, preventing spin canting and magnetic coding in an assembly of ferrimagnetic nanoparticles. Applied Physics Letters, 2014, 105, 063110.	3.3	20
94	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	3.9	342
95	Anomalous behaviour of magnetic coercivity in graphene oxide and reduced graphene oxide. Journal of Applied Physics, 2014, 115, .	2.5	29
96	Search for the associated production of the Higgs boson with a top-quark pair. Journal of High Energy Physics, 2014, 2014, 1.	4.7	51
97	Study of hadronic event-shape variables in multijet final states in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	3
98	Search for standard model production of four top quarks in the lepton + jets channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	17
99	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	43
100	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
101	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
102	Measurement of the $\overline{t}t$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	52
103	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
104	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
105	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
106	Bio-sensing property of gold coated ZnO nanorods. Materials Letters, 2014, 117, 128-130.	2.6	14
107	Contrasting Magnetic Properties of Thermally and Chemically Reduced Graphene Oxide. Journal of Physical Chemistry C, 2014, 118, 13254-13259.	3.1	37
108	Enhancement of supercapacitance property of electrochemically deposited MnO ₂ thin films grown in acidic medium. Chemical Physics Letters, 2014, 593, 160-164.	2.6	11

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109	Role of partial Cu/Co substitution on magnetic and electronic properties of Mn-rich Ni ₄₆ Mn ₄₃ In ₁₁ alloy. Journal Physics D: Applied Physics, 2014, 47, 385001.	2.8	7
110	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 1.	3.9	75
111	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
112	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
113	Measurement of jet multiplicity distributions in $\overline{t}t$ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 3014.	3.9	16
114	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
115	Event activity dependence of Υ (nS) production in $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV pPb and $\sqrt{s} = 2.76$ TeV pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	4.7	56
116	Measurements of the $\overline{t}t$ 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
117	Evidence for the 125 GeV Higgs boson decaying to a pair of τ , leptons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	123
118	Search for $W\tau^+\tau^-$ 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
119	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
120	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
121	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
122	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
123	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
124	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	85
125	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	69
126	Enhanced photoelectrochemical property of gold nanoparticle sensitized TiO ₂ nanotube: A crucial investigation at electrode-electrolyte interface. Journal of Electroanalytical Chemistry, 2014, 727, 99-103.	3.8	15

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127	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
128	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
129	Probing color coherence effects in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 2901.	3.9	17
130	Identifying bacterial fragments on morphologically similar substrate using UAFM. Micron, 2014, 60, 1-4.	2.2	1
131	Study of low temperature ferromagnetism, surface paramagnetism and exchange bias effect in $\text{Fe}_{1-x}\text{Ga}_x\text{O}_3$ oxide. Current Applied Physics, 2014, 14, 970-979.	2.4	21
132	Effect of Al doping on structural and magnetic properties of $\text{Ni}_{50}\text{Mn}_{37}\text{Al}_x\text{Sb}_{13-x}$ alloy. Physica B: Condensed Matter, 2014, 448, 33-37.	2.7	9
133	Effect of excess Ni on martensitic transition, exchange bias and inverse magnetocaloric effect in $\text{Ni}_{2+x}\text{Mn}_{1.4-x}\text{Sn}_{0.6}$ alloy. Journal of Alloys and Compounds, 2014, 600, 55-59.	5.5	27
134	Measurement of the (\overline{t}) production cross section in the dilepton channel in pp collisions at $(\sqrt{s}) = 8$ TeV. , 2014, 2014, 1.		3
135	Search for the associated production of the Higgs boson with a top-quark pair. , 2014, 2014, 1.		6
136	Search for microscopic black holes in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	44
137	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
138	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
139	Study of exclusive two-photon production of $W+W\gamma$ 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
140	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
141	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
142	Studies of jet mass in dijet and $W/Z + \text{jet}$ events. Journal of High Energy Physics, 2013, 2013, 1.	4.7	58
143	Measurement of the \overline{t} production cross section in the all-jet final state in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	16
144	Measurement of the $X(3872)$ production cross section via decays to $J/\psi + \eta'$ in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73

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145	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
146	Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at $\sqrt{s}=7 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	15
147	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $\sqrt{s}=8 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	33
148	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. Journal of High Energy Physics, 2013, 2013, 1.	4.7	32
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