Sayipjamal Dulat

List of Publications by Year
in descending order

32 papers	1,629 citations	687363 13 h-index	454955 30 g-index
33 all docs	33 docs citations	33 times ranked	6014 citing authors

#	Article	IF	Citations
1	New parton distribution functions from a global analysis of quantum chromodynamics. Physical Review D, 2016, 93, .	4.7	901
2	New CTEQ global analysis of quantum chromodynamics with high-precision data from the LHC. Physical Review D, 2021, 103, .	4.7	298
3	Intrinsic charm parton distribution functions from CTEQ-TEA global analysis. Physical Review D, 2014, 89, .	4.7	58
4	CT14 intrinsic charm parton distribution functions from CTEQ-TEA global analysis. Journal of High Energy Physics, 2018, 2018, 1.	4.7	51
5	Landau problem in noncommutative quantum mechanics. Chinese Physics C, 2008, 32, 92-95.	3.7	39
6	Quantum Hall effect in noncommutative quantum mechanics. European Physical Journal C, 2009, 60, 163-168.	3.9	30
7	Reconstruction of Monte Carlo replicas from Hessian parton distributions. Journal of High Energy Physics, 2017, 2017, 1.	4.7	30
8	CTEQ-TEA parton distribution functions and HERA Run I and II combined data. Physical Review D, 2017, 95, .	4.7	29
9	Spin Hall effect on a noncommutative space. Physical Review A, 2011, 84, .	2.5	28
10	Higgs boson cross section from CTEQ-TEA global analysis. Physical Review D, 2014, 89, .	4.7	23
11	Updating and optimizing error parton distribution function sets in the Hessian approach. II.. Physical Review D, 2019, 100, .	4.7	20
12	Wigner Functions for Klein-Gordon Oscillators inÂNon-commutative Space. International Journal of Theoretical Physics, 2010, 49, 134-143.	1.2	17
13	Quantum phase for an electric quadrupole moment in noncommutative quantum mechanics. Frontiers of Physics, 2014, 9, 446-450.	5.0	15
14	Covariant tensor formalism for partial-wave analyses of Ïˆ decays into Î³BÂ¯, Î³Î³V and Ïˆ(2s)â†¦Î³Ï‡c0,1,2 with Ï‡c0,1,2â†¦KÂ¯Ï€and 2Ï€+2Ï€-. European Physical Journal A, 2005, 26, 125-134.	2.5	12
15	An exploratory study of the impact of CMS double-differential top distributions on the gluon parton distribution function. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 015003.	3.6	11
16	Aharonov-Casher and Scalar Aharonov-Bohm Topological Effects. Physical Review Letters, 2012, 108, 070405.	7.8	10
17	Electron-positron pair production in a strong asymmetric laser electric field. Frontiers of Physics, 2014, 9, 157-163.	5.0	8
18	Landau-like Atomic Problem on a Non-commutative Phase Space. International Journal of Theoretical Physics, 2016, 55, 2913-2918.	1.2	8

#	Article	IF	Citations
19	The Heâ€“McKellarâ€“Wilkens effect for spin one particles in non-commutative quantum mechanics. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 065303.	2.1	7
20	QCD analysis of CMS W + charm measurements at LHC with and implications for strange PDF *. Chinese Physics C, 2019, 43, 123101.	3.7	7
21	NNLO constraints on proton PDFs from the SeaQuest and STAR experiments and other developments in the CTEQ-TEA global analysis. SciPost Physics Proceedings, 2022, , .	0.4	6
22	Impact of LHCb 13 TeV W and Z pseudo-data on the parton distribution functions. Chinese Physics C, 2021, 45, 023110.	3.7	5
23	Wigner Function for Kleinâ€”Gordon Landau Problem. Communications in Theoretical Physics, 2010, 54, 809-812.	2.5	3
24	Proposal and theoretical formalism for studying baryon radiative decays from<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>J</mml:mi><mml:mo>/</mml:mo><mml:mi>Ï^</mml:mi><mml:mo>â†’</mml:mo><mml:msup><mml:mi>B</mml:m accent="true"><mml:mi>B</mml:mi><mml:mo>Â¯</mml:mo></mml:mover><mml:mo>+</mml:mo><mml:msup><mml:mover accent="true"><mml:mi>B</mml:mi><mml:mo>Â¯</mml:mo></mml:mover><mml:mo>*</mml:mo></mml:msup><mml:mi>B</mml:mi> Physical Review D, 2011, 83, .	4.7	3
25	Noncommutative Quantum Hall Effect of Bilayer Systems. Communications in Theoretical Physics, 2010, 54, 43-46.	2.5	2
26	The Harmonic Oscillator Influenced by Gravitational Wave in Noncommutative Quantum Phase Space. International Journal of Theoretical Physics, 2014, 53, 1404-1414.	1.2	2
27	Relativistic Hydrogen-Like Atom on a Noncommutative Phase Space. International Journal of Theoretical Physics, 2017, 56, 2724-2737.	1.2	2
28	THE N = 2 SUPERCONFORMAL â„3 ORBIFOLD-PRIME MODEL WITH c = 3. Modern Physics Letters A, 2003, 18, 503-513.	1.2	1
29	The Impact of Single Top Data on CT14nnlo PDFs. International Journal of Theoretical Physics, 2020, 59, 3023-3031.	1.2	1
30	Pair production in asymmetric Sauter potential well. Physica Scripta, 2021, 96, 055305.	2.5	1
31	Uncertainties on Higgs and ttbar predictions at the LHC from CTEQ-TEA Global Analysis. , 2014, , .		1
32	The Wigner Functions for Neutral Particles in an External Electromagnetic Field in Noncommutative Quantum Mechanics. International Journal of Theoretical Physics, 2015, 54, 561-571.	1.2	0