Ali N Khorramian

List of Publications by Year
in descending order

69 papers	463 citations	759055 12 h-index	794469 19 g-index
69 all docs	69 docs citations	69 times ranked	191 citing authors

#	Article	IF	Citations
1	The Jacobi polynomials QCD analysis for the polarized structure function. Journal of High Energy Physics, 2007, 2007, 048-048.	1.6	35
2	Polarized deeply inelastic scattering (DIS) structure functions for nucleons and nuclei. Physical Review D, 2011, 83, .	1.6	31
3	Nonsinglet parton distribution functions from the precise next-to-next-to-next-to leading order QCD fit. Physical Review D, 2010, 81, .	1.6	30
4	Next-to-next-to-leading order QCD contributions to the flavor nonsinglet sector of $F2(x,Q2)$. Physical Review D, 2008, 78, .	1.6	29
5	QCD analysis of polarized DIS and the SIDIS asymmetry world data and light sea-quark decomposition. Physical Review D, 2014, 89, .	1.6	25
6	Next-to-Leading order approximation of polarized valon and parton distributions. Journal of High Energy Physics, 2004, 2004, 062-062.	1.6	24
7	Next-to-leading-order constituent quark structure and hadronic structure functions. Physical Review C, 2003, 67, .	1.1	23
8	New parton distributions in a fixed flavour factorization scheme from recent deep-inelastic-scattering data. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 045002.	1.4	19
9	THE ROLE OF POLARIZED VALONS IN THE FLAVOR SYMMETRY BREAKING OF NUCLEON SEA. International Journal of Modern Physics A, 2006, 21, 4599-4615.	0.5	17
10	The impact of the intrinsic charm quark content of a proton on the differential $\gamma +c$ cross section. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 055001.	1.4	15
11	The NNLO non-singlet QCD analysis of parton distributions based on Bernstein polynomials. Journal of High Energy Physics, 2007, 2007, 051-051.	1.6	12
12	The role of different schemes in the QCD analysis and determination of the strong coupling. Nuclear Physics B, 2017, 921, 472-486.	0.9	12
13	Non-singlet sector of proton and deuteron structure functions. AIP Conference Proceedings, 2008, , .	0.3	10
14	Target mass corrections and higher twist effects in polarized deep-inelastic scattering. Physical Review D, 2014, 89, .	1.6	10
15	The Jacobi polynomials QCD analysis for proton spin structure. AIP Conference Proceedings, 2007, , .	0.3	9
16	QCD analysis of flavor-asymmetry for polarized sea quark distributions. Nuclear Physics, Section B, Proceedings Supplements, 2007, 164, 38-41.	0.5	9
17	F L structure function and heavy quark contributions. Hyperfine Interactions, 2009, 194, 341-345.	0.2	9
18	QCD Predictions for Spin Dependence of Parton Distributions. Communications in Theoretical Physics, 2005, 43, 1087-1098.	1.1	8

#	Article	IF	Citations
19	3-Loops QCD analysis for non-singlet sector of. Nuclear Physics, Section B, Proceedings Supplements, 2009, 186, 58-61.	0.5	8
20	A global analysis of diffractive events at HERA. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 085009.	1.4	8
21	Impact of recent COMPASS data on polarized parton distributions and structure functions. Physical Review D, 2018, 98, .	1.6	7
22	QUARK DISTRIBUTIONS AND NUCLEON SPIN STRUCTURE. International Journal of Modern Physics A, 2005, 20, 1923-1926.	0.5	6
23	NUCLEAR PARTON DENSITIES AND STRUCTURE FUNCTIONS. International Journal of Modern Physics A, 2005, 20, 1927-1930.	0.5	6
24	Publisher's Note: Target mass corrections and higher twist effects in polarized deep-inelastic scattering [Phys. Rev. D89, 074052 (2014)]. Physical Review D, 2014, 89, .	1.6	6
25	Next-to-leading order QCD analysis of parton distribution functions with LHC data. Nuclear and Particle Physics Proceedings, 2017, 282-284, 32-36.	0.2	6
26	EMC effect and nuclear structure functions. Nuclear Physics, Section B, Proceedings Supplements, 2007, 164, 30-33.	0.5	5
27	Nonsinglet spin-dependent structure functions. Nuclear Physics, Section B, Proceedings Supplements, 2010, 207-208, 65-68.	0.5	5
28	SPIN-DEPENDENT STRUCTURE FUNCTION OF 3He and 3H. International Journal of Modern Physics A, 2011, 26, 625-626.	0.5	5
29	Parton distribution functions and constraints on the intrinsic charm content of the proton using the Brodsky-Hoyer-Peterson-Saka approach. Physical Review D, 2019, 99, .	1.6	5
30	The Role of Logarithmic Expansions for Nonsinglet QCD Analysis of. Nuclear Physics, Section B, Proceedings Supplements, 2007, 174, 27-30.	0.5	4
31	Non-singlet structure function in the NNLO approximation. Nuclear Physics, Section B, Proceedings Supplements, 2007, 164, 34-37.	0.5	4
32	Parton Distribution Functions from QCD Analysis of HERA Combined Inclusive e Â± p Scattering Cross Section Data. Few-Body Systems, 2012, 52, 279-284.	0.7	4
33	Global analysis of $\pi^{\pm}$ and $K^{\pm}$ fragmentation functions and their application to top quark decays considering new BABAR and Belle experimental data. Canadian Journal of Physics, 2017, 95, 1-8.	0.4	4
34	Impact of intrinsic charm on PDFs with EMC and LHC data. Nuclear and Particle Physics Proceedings, 2017, 282-284, 27-31.	0.2	4
35	Impact of the top quark cross-section data on parton distribution functions. International Journal of Modern Physics A, 2018, 33, 1850142.	0.5	4
36	QCD analysis of structure functions in deep inelastic neutrino-nucleon scattering without using the orthogonal polynomials approach. Physical Review C, 2019, 99, .	1.1	4

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37	Sensitivity of strange quark polarization to flavor SU(3) symmetry breaking. Physical Review D, 2021, 103, .	1.6	4
38	Polarized constituent quarks in NLO approximation. Nuclear Physics, Section B, Proceedings Supplements, 2006, 152, 83-86.	0.5	3
39	Parton distribution functions up to NNLO. Hyperfine Interactions, 2009, 194, 331-335.	0.2	3
40	xF 3 structure function based on the associated Jacobi polynomials. Hyperfine Interactions, 2009, 194, 337-340.	0.2	3
41	DETERMINATION OF THE STRONG COUPLING CONSTANT FROM NLO QCD ANALYSIS OF PROTON STRUCTURE FUNCTION. International Journal of Modern Physics A, 2011, 26, 658-659.	0.5	3
42	NON-SINGLET PART OF THE LONGITUDINAL STRUCTURE FUNCTION FL UP TO $O(alpha\_s^3)$. International Journal of Modern Physics A, 2011, 26, 686-687.	0.5	3
43	Pion fragmentation functions from e+eâˆ'production. Journal of Physics: Conference Series, 2012, 347, 012017.	0.3	3
44	The impact of the LHCb BÂ± production cross-section on parton distribution functions and determining the mass of heavy quarks. Nuclear Physics A, 2018, 979, 215-236.	0.6	3
45	Sub-structures in hadrons and proton structure functions. Nuclear Physics, Section B, Proceedings Supplements, 2001, 99, 164-167.	0.5	2
46	Strong coupling constant and flavor thresholds in QCD. AIP Conference Proceedings, 2008, , .	0.3	2
47	Longitudinal heavy quark structure function. Nuclear Physics, Section B, Proceedings Supplements, 2009, 186, 379-382.	0.5	2
48	Determination of the strong coupling constant using available experimental data. Chinese Physics C, 2010, 34, 1485-1487.	1.5	2
49	QCD COUPLING CONSTANT FROM DIFFRACTIVE DEEP INELASTIC SCATTERING. International Journal of Modern Physics A, 2011, 26, 692-693.	0.5	2
50	Nucleon structure functions from constituent quark. Nuclear Physics, Section B, Proceedings Supplements, 1999, 79, 247-249.	0.5	1
51	QCD analysis of polarized structure functions in next-to-leading-order, using improved valon model. AIP Conference Proceedings, 2004, , .	0.3	1
52	Renormalization group improvement and constituent quark model. Nuclear Physics, Section B, Proceedings Supplements, 2009, 186, 137-140.	0.5	1
53	Symmetry breaking effect on determination of polarized and unpolarized parton distributions. Nuclear Physics, Section B, Proceedings Supplements, 2013, 234, 66-69.	0.5	1
54	QCD analysis of fragmentation functions considering double spin asymmetry of SIDIS processes. Physics of Particles and Nuclei, 2014, 45, 46-48.	0.2	1

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55	Impact of charm H1-ZEUS combined data and determination of the strong coupling in two different schemes. Chinese Physics C, 2017, 41, 113104.	1.5	1
56	Renormalization and factorization scales and scheme dependence for some QCD observables. AIP Conference Proceedings, 2004, , .	0.3	0
57	Renormalization group analysis in cross section of b-quark production. AIP Conference Proceedings, 2005, , .	0.3	0
58	DETERMINATION OF QCD RUNNING COUPLING CONSTANT IN NNLO APPROXIMATION, USING COMPLETE RG IMPROVEMENT. International Journal of Modern Physics A, 2005, 20, 1955-1958.	0.5	0
59	The flavor symmetry breaking of nucleon sea in the valon model. AIP Conference Proceedings, 2007, , .	0.3	0
60	Polarized nucleon structure function up to NLO. AIP Conference Proceedings, 2008, , .	0.3	0
61	Jacobi polynomials and non-singlet structure function $F_2(x,Q_2)$ up to N_3 LO. Chinese Physics C, 2010, 34, 1479-1481.	1.5	0
62	The study of heavy contribution in diffractive parton distribution functions. Journal of Physics: Conference Series, 2012, 347, 012018.	0.3	0
63	The impact of target mass correction on polarized parton distribution functions. Physics of Particles and Nuclei, 2014, 45, 54-56.	0.2	0
64	The impact of CMS inclusive jet data on parton distribution functions and their uncertainties. International Journal of Modern Physics A, 2017, 32, 1750134.	0.5	0
65	Trace of nonperturbative charm content of the nucleon on Z + c-jet production. International Journal of Modern Physics A, 2017, 32, 1750095.	0.5	0
66	F_L structure function and heavy quark contributions. , 2009, , 689-693.		0
67	Parton distribution functions up to NNLO. , 2009, , 679-683.		0
68	xF_3 structure function based on the associated Jacobi polynomials. , 2009, , 685-688.		0
69	HEAVY QUARK CONTRIBUTIONS TO THE PROTON STRUCTURE FUNCTION. , 2010, , .		0