

Majid Modarres

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Lowest-order constrained variational calculation for \hat{r}^2 -stable matter at finite temperature. Physical Review C, 2000, 62, .	2.9	39
2	Lowest order constrained variational method applied to liquid ${}^3\text{He}$. European Physical Journal B, 2003, 36, 485-490.	1.5	30
3	The general behavior of NLO unintegrated parton distributions based on the single-scale evolution and the angular ordering constraint. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 694, 355-362.	4.1	28
4	Lowest Order Constrained Variational Calculation for Nuclear and Neutron Matter with a New Charge-Dependent Reid Potential. Progress of Theoretical Physics, 2004, 112, 21-36.	2.0	27
5	The Kimber-Martin-Ryskin unintegrated partons via the MRST and GRV parametrizations. Nuclear Physics A, 2009, 815, 40-52.	1.5	26
6	The New Investigation of Kimber-Martin-Ryskin Unintegrated Partons. Few-Body Systems, 2010, 47, 237-256.	1.5	26
7	The LO and the NLO unintegrated parton distributions in the modified DGLAP formalism. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 75-86.	4.1	25
8	Phenomenological study of unintegrated parton distribution functions in the frameworks of the Kimber-Martin-Ryskin and Martin-Ryskin-Watt approaches. Physical Review D, 2014, 89, .	4.7	21
9	The NLO unintegrated parton distribution functions (PDF) in the KMR and the MRW frameworks using the MSTW2008 PDF. Nuclear Physics A, 2013, 902, 21-31.	1.5	20
10	Polarized parton distribution in the relativistic quark exchange framework. European Physical Journal A, 1999, 6, 91-97.	2.5	18
11	A new phenomenological investigation of KMR and MRW unintegrated parton distribution functions. European Physical Journal C, 2015, 75, 1.	3.9	18
12	The NLO Parton Distribution in the (x, Q^2) -Plane: A Relativistic Quark-Exchange Approach to $A = 3$ Mirror Nuclei. Few-Body Systems, 2005, 37, 33-48.	1.5	17
13	The proton F L dipole approximation in the KMR and the MRW unintegrated parton distribution functions frameworks. Nuclear Physics A, 2016, 945, 168-185.	1.5	17
14	NLO production of $\langle \mathcal{M} \rangle$ and $\langle \mathcal{M} \rangle$ vector bosons via hadron collisions in the frameworks of Kimber-Martin-Ryskin and Martin-Ryskin-Watt unintegrated parton distribution fun. Physical Review D, 2016, 94, .	4.7	16
15	LHC production of forward-center and forward-forward di-jets in the k-factorization and transverse dependent unintegrated parton distribution frameworks. Nuclear Physics B, 2017, 922, 94-112.	2.5	16
16	LOCV calculation for the uniform electron fluid at finite temperature. European Physical Journal B, 2003, 31, 159-166.	1.5	15
17	The Constituent Quark Exchange Model for the Bound State Nucleons. Few-Body Systems, 2010, 48, 19-29.	1.5	15
18	KMR k t -factorization procedure for the description of the LHCb forward hadron Z^0 production at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 534-541.	1.5	15

#	ARTICLE	IF	CITATIONS
19	STRANGE QUARK MATTER IN THE FRAMEWORK OF ONE GLUON EXCHANGE AND DENSITY AND TEMPERATURE DEPENDENT PARTICLE MASS MODELS. International Journal of Modern Physics E, 2008, 17, 1335-1355.	1.0	13
20	Semi-NLO production of Higgs bosons in the framework of k-factorization using KMR unintegrated parton distributions. Nuclear Physics B, 2018, 926, 406-426.	2.5	12
21	A detailed study of the LHC and TEVATRON hadron-hadron prompt-photon pair production experiments in the angular ordering constraint k_t -factorization approaches. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 105005.	3.6	12
22	Application of the Kimber-Martin-Ryskin and Martin-Ryskin-Watt unintegrated parton distributions to the EMC ratio of a ${}^6\text{Li}$ nucleus in the k_t -factorization framework. Physical Review D, 2018, 98, .	4.7	11
23	The effect of quark exchange in $A = 3$ mirror nuclei and neutron/proton structure functions ratio. European Physical Journal A, 2006, 28, 205-211.	2.5	10
24	The Leading-Order Charm Quark Contribution to the Next-to-Leading-Order Proton Structure Function Using ${}^3\text{He}$ Mirror Nuclei as Input Valence Quarks. Few-Body Systems, 2006, 39, 177-191.	1.5	10
25	Quark momentum-space charge distribution in deuteron and neutron/proton structure functions ratio. European Physical Journal A, 2007, 32, 327-333.	2.5	10
26	The thermodynamic properties of weakly interacting quark-gluon plasma via the one-gluon exchange interaction. Physics of Particles and Nuclei Letters, 2013, 10, 99-104.	0.4	10
27	The Structure Functions of ${}^3\text{He}$ and ${}^3\text{H}$ Nuclei in the Constituent Quark Exchange Model. Few-Body Systems, 2014, 55, 85-100.	1.5	10
28	Two-nucleon spectral function of the ${}^{16}\text{O}$ nucleus using the lowest-order constrained variational state-dependent correlation functions of the Reid and Av18 interactions. Physical Review C, 2012, 85, .	2.9	9
29	The role of quark exchange in the structure function of Lithium nucleus. International Journal of Modern Physics E, 2015, 24, 1550037.	1.0	9
30	Effect of Spin-dependent Correlation Functions on the Ground State Energy of Liquid ${}^3\text{He}$. Journal of Low Temperature Physics, 2005, 139, 387-396.	1.4	8
31	THE DENSITY-DEPENDENT Av18 EFFECTIVE INTERACTION AND GROUND STATE OF CLOSED SHELL NUCLEI. International Journal of Modern Physics E, 2011, 20, 679-703.	1.0	8
32	Study of inclusive single-jet production in the framework of k_t -factorization unintegrated parton distributions. Physical Review D, 2018, 97, .	4.7	8
33	THE ROLE OF FERMI MOTION ON THE STRUCTURE FUNCTIONS OF ${}^3\text{He}$ AND ${}^3\text{H}$ NUCLEI IN THE QUARK EXCHANGE FRAMEWORK. International Journal of Modern Physics E, 2013, 22, 1350037.	1.0	7
34	Transverse momentum dependent (TMD) parton distribution functions generated in the modified DGLAP formalism based on the valence-like distributions. International Journal of Modern Physics A, 2017, 32, 1750121.	1.5	7
35	The EMC ratios of ${}^4\text{He}$, ${}^3\text{He}$ and ${}^3\text{H}$ nuclei in the k factorization framework using the Kimber-Martin-Ryskin unintegrated parton distribution functions. Nuclear Physics A, 2019, 983, 118-132.	1.5	7
36	THE ANGULAR MOMENTUM DEPENDENT CALCULATION OF THE GROUND STATE ENERGY OF LIQUID ${}^3\text{He}$. Modern Physics Letters B, 2005, 19, 1793-1802.	1.9	6

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37	A phenomenological investigation of the integral and the differential versions of the KIMBER and MARTIN parton distribution functions using two different constraints and the MMHT2014 PDF set. European Physical Journal C, 2019, 79, 1.	3.9	6
38	Three-photon productions within the k_t -factorization at the LHC. European Physical Journal C, 2021, 81, .	3.9	5
39	The normal liquid ^3He one-body momentum distribution at zero and finite temperature. European Physical Journal B, 2009, 71, 7-14.	1.5	4
40	The Implementation of Impulse Approximation in the Wave Function and the Response Function of a Many-Fermion System. International Journal of Theoretical Physics, 2010, 49, 413-420.	1.2	4
41	THE SHELL MODEL AND THE IMPULSE APPROXIMATIONS APPROACH TO THE RESPONSE FUNCTION OF ^4He , ^{16}O AND ^{40}Ca NUCLEI. International Journal of Modern Physics E, 2011, 20, 2209-2216.	1.0	4
42	The role of constituent quark exchange on the NLO structure function and the EMC ratios of the ^4He nucleus. European Physical Journal A, 2018, 54, 1.	2.5	4
43	Inclusive jet and dijet productions using k_t and (z, k_t) -factorizations versus ZEUS collaboration data. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 085009.	3.6	4
44	Analysis of Drell-Yan lepton pair production in the colliders using different angular ordering constraints and the		
45	On the ambiguity between differential and integral forms of the MARTIN parton distribution function model. European Physical Journal C, 2022, 82, 1.	3.9	4
46	The Q ² dependence of polarized and unpolarized proton structure functions in the relativistic quark exchange framework. European Physical Journal A, 2000, 7, 573-581.	2.5	3
47	The Density Dependence of Homogenous Normal Liquid Helium 3 One-Body Momentum Distribution in the LOCV and Ristig Clark Formalisms. Journal of Low Temperature Physics, 2011, 162, 182-189.	1.4	3
48	New look at the Lanczos method in the lattice gauge model. European Physical Journal C, 2000, 17, 169-172.	3.9	2
49	The effect of Fermi momentum cutoff on the binding energy of closed shell nuclei in the LOCV framework. Physics of Particles and Nuclei Letters, 2014, 11, 245-251.	0.4	2
50	Validity check of the KATIE parton level event generator section of isolated single photon production in the	4.7	2
51	Applying different angular ordering constraints and	4.7	2
52	-factorization approaches to the single inclusive hadron production in the	4.7	2
53	Effect of quark exchange on the structure function of $A = 3$ mirror nuclei and neutron/proton structure function ratio. AIP Conference Proceedings, 2005, , .	0.4	1
54	THE RESPONSE FUNCTION OF THE ^4He , ^{16}O AND ^{40}Ca NUCLEI IN THE HARMONIC OSCILLATOR SHELL MODEL AND THE IMPULSE APPROXIMATIONS. International Journal of Modern Physics E, 2013, 22, 1350011.	1.0	1

#	ARTICLE	IF	CITATIONS
55	Extracting the parton distribution functions evolution equations using the stochastic modeling in the non-equilibrium statistical mechanics. Physica A: Statistical Mechanics and Its Applications, 2020, 551, 124585.	2.6	1
56	Application of the constituent quark exchange model to the parton distributions and the EMC ratios of ^{12}C and ^{14}N nuclei. Nuclear Physics A, 2020, 1000, 121845.	1.5	1
57	A detailed study of charm content of a proton in the frameworks of the Kimber-Martin-Ryskin and Martin-Ryskin-Watt approaches. Nuclear Physics A, 2020, 998, 121735.	1.5	1
58	On validity of different PDFs sets using the proton k_t -factorization structure functions and the Gaussian k_t -dependence of KMR UPDFs. European Physical Journal C, 2022, 82, .	3.9	1
59	EOS OF THE UNIFORM ELECTRON FLUID IN LOCV FRAMEWORK. , 2005, , .		0