

Jian-Wei Qiu

List of Publications by Year in descending order

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78
papers

5,685
citations

94381

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85498

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docs citations

78
times ranked

2310
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Complementarity of experimental and lattice QCD data on pion parton distributions. Physical Review D, 2022, 105, . | 1.6 | 11 |
| 2 | QCD factorization and universality of jet cross sections in heavy-ion collisions. Nuclear Physics A, 2021, 1005, 121853. | 0.6 | 0 |
| 3 | Confronting lattice parton distributions with global QCD analysis. Physical Review D, 2021, 103, . | 1.6 | 35 |
| 4 | Extraction of Next-to-Next-to-Leading-Order Parton Distribution Functions from Lattice QCD Calculations. Physical Review Letters, 2021, 126, 072001. | 2.9 | 30 |
| 5 | Parton distributions and lattice-QCD calculations: Toward 3D structure. Progress in Particle and Nuclear Physics, 2021, 121, 103908. | 5.6 | 86 |
| 6 | A new approach to semi-inclusive deep-inelastic scattering with QED and QCD factorization. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 11 |
| 7 | Factorized approach to radiative corrections for inelastic lepton-hadron collisions. Physical Review D, 2021, 104, . | 1.6 | 4 |
| 8 | Power corrections in semi-inclusive deep inelastic scatterings at fixed target energies. Physical Review D, 2020, 101, . | 1.6 | 4 |
| 9 | Predictive power of transverse-momentum-dependent distributions. Physical Review D, 2020, 101, . | 1.6 | 15 |
| 10 | Intrinsic transverse momentum and evolution in weighted spin asymmetries. Physical Review D, 2020, 101, . | 1.6 | 10 |
| 11 | Pion valence quark distribution from current-current correlation in lattice QCD. Physical Review D, 2020, 102, . | 1.6 | 65 |
| 12 | Factorization of Jet Cross Sections in Heavy-Ion Collisions. Physical Review Letters, 2019, 122, 252301. | 2.9 | 24 |
| 13 | Pion valence quark distribution from matrix element calculated in lattice QCD. Physical Review D, 2019, 99, . | 1.6 | 113 |
| 14 | Multiplicative Renormalizability of Operators defining Quasiparton Distributions. Physical Review Letters, 2019, 122, 062002. | 2.9 | 49 |
| 15 | Nucleon Structure from Lattice QCD Calculations. , 2019, , . | | 1 |
| 16 | Parton distributions and lattice QCD calculations: A community white paper. Progress in Particle and Nuclear Physics, 2018, 100, 107-160. | 5.6 | 186 |
| 17 | Exploring Partonic Structure of Hadrons Using $\langle i \rangle$ ab-initio $\langle /i \rangle$ Lattice QCD Calculations. Physical Review Letters, 2018, 120, 022003. | 2.9 | 157 |
| 18 | Extracting parton distribution functions from lattice QCD calculations. Physical Review D, 2018, 98, . | 1.6 | 129 |

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|----|---|-----|-----------|
| 19 | Renormalizability of quasiparton distribution functions. Physical Review D, 2017, 96, . | 1.6 | 112 |
| 20 | Next-to-leading order transverse momentum broadening for Drell-Yan production in p+A collisions. Physical Review D, 2016, 94, . | 1.6 | 11 |
| 21 | Hadronic production of W and Z bosons at large transverse momentum. Physical Review D, 2015, 91, . | 1.6 | 2 |
| 22 | Fragmentation functions of polarized heavy quarkonium. Journal of High Energy Physics, 2015, 2015, 1. | 1.6 | 20 |
| 23 | Heavy quarkonium production at collider energies: Partonic cross section and polarization. Physical Review D, 2015, 91, . | 1.6 | 35 |
| 24 | Universal suppression of heavy quarkonium production in pA collisions at low transverse momentum. Physical Review D, 2014, 89, . | 1.6 | 21 |
| 25 | Heavy quarkonium production at collider energies: Factorization and evolution. Physical Review D, 2014, 90, . | 1.6 | 54 |
| 26 | Factorized Power Expansion for High- p_T Heavy Quarkonium Production. Physical Review Letters, 2014, 113, 142002. | 2.9 | 27 |
| 27 | THE 1-JETTINESS EVENT-SHAPE FOR DIS WITH NNLL RESUMMATION. International Journal of Modern Physics Conference Series, 2014, 25, 1460041. | 0.7 | 1 |
| 28 | Nuclear modification of vector boson production in proton-lead collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 277-283. | 1.5 | 34 |
| 29 | Probing nuclear dynamics in jet production with a global event shape. Physical Review D, 2013, 88, . | 1.6 | 13 |
| 30 | Heavy Quarkonium Production and Polarization. Physical Review Letters, 2012, 108, 102002. | 2.9 | 78 |
| 31 | N -jet event shapes as probes of nuclear dynamics. Physical Review D, 2012, 86, . | 1.6 | 24 |
| 32 | Linearly polarized gluon distributions in the color dipole model. Physical Review D, 2012, 85, . | 1.6 | 94 |
| 33 | Observation concerning the process dependence of the Sivers functions. Physical Review D, 2011, 83, . | 1.6 | 112 |
| 34 | Exploring the structure of the proton through polarization observables in p -jetX. Physical Review D, 2011, 84, . | 1.6 | 40 |
| 35 | SCALE DEPENDENCE OF TWIST-3 CORRELATION FUNCTIONS. International Journal of Modern Physics Conference Series, 2011, 04, 146-156. | 0.7 | 1 |
| 36 | Probing Gluonic Spin-Orbit Correlations in Photon Pair Production. Physical Review Letters, 2011, 107, 062001. | 2.9 | 69 |

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|----|--|-----|-----------|
| 37 | Probing Hadron Structure with a Polarized Hadron Beam. Progress of Theoretical Physics Supplement, 2011, 187, 210-220. | 0.2 | 0 |
| 38 | Quark-gluon correlation functions relevant to single transverse spin asymmetries. Physical Review D, 2010, 81, . | 1.6 | 19 |
| 39 | Testing the Time-Reversal Modified Universality of the Sivers Function. Physical Review Letters, 2009, 103, 172001. | 2.9 | 55 |
| 40 | Low-mass lepton pair production at large transverse momentum. Physical Review D, 2009, 79, . | 1.6 | 24 |
| 41 | Evolution of twist-3 multiparton correlation functions relevant to single transverse-spin asymmetry. Physical Review D, 2009, 79, . | 1.6 | 87 |
| 42 | Color-transfer enhancement for heavy quarkonium production. Physical Review D, 2008, 77, . | 1.6 | 22 |
| 43 | Accessing trigluon correlations in the nucleon via the single spin asymmetry in open charm production. Physical Review D, 2008, 78, . | 1.6 | 55 |
| 44 | Single transverse-spin asymmetry in hadronic dijet production. Physical Review D, 2007, 76, . | 1.6 | 39 |
| 45 | k_T factorization is violated in production of high-transverse-momentum particles in hadron-hadron collisions. Physical Review D, 2007, 75, . | 1.6 | 155 |
| 46 | Single transverse-spin asymmetry in Drell-Yan production at large and moderate transverse momentum. Physical Review D, 2006, 73, . | 1.6 | 109 |
| 47 | Nonrelativistic QCD factorization and the velocity dependence of NNLO poles in heavy quarkonium production. Physical Review D, 2006, 74, . | 1.6 | 50 |
| 48 | Coherent QCD multiple scattering in proton-nucleus collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 632, 507-511. | 1.5 | 86 |
| 49 | Nuclear Effects on Open Charm Production in $p+A$ Reactions. Acta Physica Hungarica A Heavy Ion Physics, 2006, 27, 275-279. | 0.4 | 1 |
| 50 | Single transverse-spin asymmetry in high transverse momentum pion production in pp collisions. Physical Review D, 2006, 74, . | 1.6 | 167 |
| 51 | Unified Picture for Single Transverse-Spin Asymmetries in Hard-Scattering Processes. Physical Review Letters, 2006, 97, 082002. | 2.9 | 161 |
| 52 | Low-Mass Drell-Yan Pairs at RHIC and LHC. Acta Physica Hungarica A Heavy Ion Physics, 2005, 22, 281-288. | 0.4 | 0 |
| 53 | Probing small- x gluons by low-mass Drell-Yan pairs at colliders. Physical Review C, 2005, 71, . | 1.1 | 5 |
| 54 | Upsilon Transverse Momentum at Hadron Colliders. International Journal of Modern Physics A, 2005, 20, 3753-3755. | 0.5 | 5 |

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|----|--|-----|-----------|
| 55 | Transverse momentum distribution of Υ production in hadronic collisions. Physical Review D, 2005, 71, . | 1.6 | 36 |
| 56 | Fragmentation, nonrelativistic QCD, and NNLO factorization analysis in heavy quarkonium production. Physical Review D, 2005, 72, . | 1.6 | 112 |
| 57 | COHERENT MULTIPLE SCATTERING AND DIHADRON CORRELATIONS IN HEAVY ION COLLISIONS. , 2005, , . | | 0 |
| 58 | Resummed QCD Power Corrections to Nuclear Shadowing. Physical Review Letters, 2004, 93, 262301. | 2.9 | 64 |
| 59 | Summary of Spin Physics Parallel Sessions. AIP Conference Proceedings, 2004, , . | 0.3 | 0 |
| 60 | Differential cross section for Higgs boson production including all-orders soft gluon resummation. Physical Review D, 2003, 67, . | 1.6 | 55 |
| 61 | Differential Cross Sections for Higgs Boson Production at Tevatron Collider Energies. Physical Review Letters, 2003, 91, 222003. | 2.9 | 24 |
| 62 | QCD and Rescattering in Nuclear Targets. International Journal of Modern Physics E, 2003, 12, 149-164. | 0.4 | 32 |
| 63 | QCD factorized Drell-Yan cross section at large transverse momentum. Physical Review D, 2002, 65, . | 1.6 | 38 |
| 64 | J/ψ Suppression in Nucleus-Nucleus Collisions. Physical Review Letters, 2002, 88, 232301. | 2.9 | 39 |
| 65 | Role of the nonperturbative input in QCD resummed Drell-Yan Q_T distributions. Physical Review D, 2001, 63, . | 1.6 | 98 |
| 66 | Universality in the Nuclear Dependence Coefficient $\hat{\Gamma}_{\pm}(q_T)$. Physical Review Letters, 2000, 84, 5049-5052. | 2.9 | 11 |
| 67 | Single transverse-spin asymmetries in hadronic pion production. Physical Review D, 1998, 59, . | 1.6 | 274 |
| 68 | Breakdown of Conventional Factorization for Isolated Photon Cross Sections. Physical Review Letters, 1996, 76, 2234-2237. | 2.9 | 20 |
| 69 | Single transverse spin asymmetries in direct photon production. Nuclear Physics B, 1992, 378, 52-78. | 0.9 | 249 |
| 70 | Power corrections in hadronic scattering (II). Factorization. Nuclear Physics B, 1991, 353, 137-164. | 0.9 | 190 |
| 71 | Is there a hard gluonic contribution to the first moment of g_1 ? AIP Conference Proceedings, 1991, , . | 0.3 | 2 |
| 72 | Direct photon production in polarized pp collisions. AIP Conference Proceedings, 1991, , . | 0.3 | 0 |

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|----|--|-----|-----------|
| 73 | High twist effects in hadronic collisions. AIP Conference Proceedings, 1991, , . | 0.3 | 13 |
| 74 | Elastic amplitudes and power corrections in QCD. Nuclear Physics A, 1991, 527, 577-580. | 0.6 | 7 |
| 75 | Single transverse spin asymmetries. Physical Review Letters, 1991, 67, 2264-2267. | 2.9 | 371 |
| 76 | Understanding the cross section for isolated prompt photon production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 248, 371-377. | 1.5 | 38 |
| 77 | Nuclear shadowing at small values of x . Nuclear Physics B, 1987, 291, 746-764. | 0.9 | 166 |
| 78 | Glouon recombination and shadowing at small values of x . Nuclear Physics B, 1986, 268, 427-452. | 0.9 | 1,128 |