

# Xiaojun Yao

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

473  
citations

623734

14  
h-index

794594

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

433  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quarkonium in-medium transport equation derived from first principles. <i>Physical Review D</i> , 2019, 99, .	4.7	72
2	Coupled Boltzmann transport equations of heavy quarks and quarkonia in quark-gluon plasma. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	48
3	Quarkonium inside the quark-gluon plasma: Diffusion, dissociation, recombination, and energy loss. <i>Physical Review D</i> , 2019, 100, .	4.7	47
4	Prospects for quarkonium studies at the high-luminosity LHC. <i>Progress in Particle and Nuclear Physics</i> , 2022, 122, 103906.	14.4	41
5	Open quantum systems for quarkonia. <i>International Journal of Modern Physics A</i> , 2021, 36, 2130010.	1.5	39
6	Doubly charmed baryon production in heavy ion collisions. <i>Physical Review D</i> , 2018, 97, .	4.7	36
7	Quarkonium semiclassical transport in quark-gluon plasma: factorization and quantum correction. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	31
8	Approach to equilibrium of quarkonium in quark-gluon plasma. <i>Physical Review C</i> , 2018, 97, .	2.9	30
9	Quantum simulation of open quantum systems in heavy-ion collisions. <i>Physical Review D</i> , 2021, 104, .	4.7	22
10	Computing the gluon Sivers function at small-x. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 790, 361-366.	4.1	17
11	Non-Abelian electric field correlator at NLO for dark matter relic abundance and quarkonium transport. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	4.7	17
12	Transverse momentum broadening of a jet in quark-gluon plasma: an open quantum system EFT. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	15
13	Jet wake from linearized hydrodynamics. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	14
14	Quarkonium production in heavy ion collisions: coupled Boltzmann transport equations. <i>Nuclear Physics A</i> , 2019, 982, 755-758.	1.5	12
15	QCD evolution of the orbital angular momentum of quarks and gluons: Genuine twist-three part. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 798, 134941.	4.1	6
16	Quarkonium Production in Heavy Ion Collisions: From Open Quantum System to Transport Equation. <i>Nuclear Physics A</i> , 2021, 1005, 121854.	1.5	5
17	An effective field theory approach to the stabilization of $\langle \sigma \rangle_{\text{Be}}$ in a QED plasma. <i>Journal of Physics C: Nuclear and Particle Physics</i> , 2016, 43, 07LT02.	3.6	2
18	Dynamical screening of $\hat{\Gamma}_{\pm}^{\text{res}}$ resonant scattering and thermal nuclear scattering rate in a plasma. <i>Physical Review D</i> , 2017, 95, .	4.7	2

#	ARTICLE	IF	CITATIONS
19	Fate of heavy quark bound states inside quark-gluon plasma. , 2020, , .		2
20	Quarkonium production in heavy ion collisions: coupled Boltzmann transport equations. , 2019, , .		1