

# Boram Yoon

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,106  
citations

430874

18  
h-index

454955

30  
g-index

33  
all docs

33  
docs citations

33  
times ranked

871  
citing authors

#	ARTICLE	IF	CITATIONS
1	Axial, scalar, and tensor charges of the nucleon from $\langle \bar{\psi} \gamma_5 \tau_3 \psi \rangle + \langle \bar{\psi} \gamma_5 \tau_1 \psi \rangle + \langle \bar{\psi} \gamma_5 \tau_2 \psi \rangle$ Lattice QCD. Physical Review D, 2016, 94, .	4.7	104
2	Neutron Electric Dipole Moment and Tensor Charges from Lattice QCD. Physical Review Letters, 2015, 115, 212002.	7.8	103
3	Isovector charges of the nucleon from $\langle \bar{\psi} \gamma_5 \tau_3 \psi \rangle + \langle \bar{\psi} \gamma_5 \tau_1 \psi \rangle + \langle \bar{\psi} \gamma_5 \tau_2 \psi \rangle$ -flavor lattice QCD. Physical Review D, 2018, 98, .	4.7	96
4	Nucleon charges and electromagnetic form factors from $\langle \bar{\psi} \gamma_5 \tau_3 \psi \rangle + \langle \bar{\psi} \gamma_5 \tau_1 \psi \rangle + \langle \bar{\psi} \gamma_5 \tau_2 \psi \rangle$ lattice QCD. Physical Review D, 2014, 89, .	4.7	95
5	Isovector and isoscalar tensor charges of the nucleon from lattice QCD. Physical Review D, 2015, 92, .	4.7	86
6	Axial-vector form factors of the nucleon from lattice QCD. Physical Review D, 2017, 96, .	4.7	80
7	Flavor diagonal tensor charges of the nucleon from ( $\langle \bar{\psi} \gamma_5 \tau_3 \psi \rangle + \langle \bar{\psi} \gamma_5 \tau_1 \psi \rangle + \langle \bar{\psi} \gamma_5 \tau_2 \psi \rangle$ ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 512 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML")	4.7	63
8	Axial Vector Form Factors from Lattice QCD that Satisfy the PCAC Relation. Physical Review Letters, 2020, 124, 072002.	7.8	55
9	Nucleon transverse momentum-dependent parton distributions in lattice QCD: Renormalization patterns and discretization effects. Physical Review D, 2017, 96, .	4.7	45
10	Isovector charges of the nucleon from 2+1 -flavor QCD with clover fermions. Physical Review D, 2017, 95, .	4.7	39
11	Nucleon electromagnetic form factors in the continuum limit from ( $\langle \bar{\psi} \gamma_5 \tau_3 \psi \rangle + \langle \bar{\psi} \gamma_5 \tau_1 \psi \rangle + \langle \bar{\psi} \gamma_5 \tau_2 \psi \rangle$ ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 352 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML")	4.7	37
12	Controlling excited-state contamination in nucleon matrix elements. Physical Review D, 2016, 93, .	4.7	36
13	A complete set of in-medium splitting functions to any order in opacity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 502-510.	4.1	36
14	Precision nucleon charges and form factors using ( $\langle \bar{\psi} \gamma_5 \tau_3 \psi \rangle + \langle \bar{\psi} \gamma_5 \tau_1 \psi \rangle + \langle \bar{\psi} \gamma_5 \tau_2 \psi \rangle$ ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 232 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML")	4.7	35
15	Quark contribution to the proton spin from $\langle \bar{\psi} \gamma_5 \tau_3 \psi \rangle + \langle \bar{\psi} \gamma_5 \tau_1 \psi \rangle + \langle \bar{\psi} \gamma_5 \tau_2 \psi \rangle$ -flavor lattice QCD. Physical Review D, 2018, 98, .	4.7	31
16	Pion-Nucleon Sigma Term from Lattice QCD. Physical Review Letters, 2021, 127, 242002.	7.8	28
17	Dimension-5 $\langle \bar{\psi} \gamma_5 \tau_3 \psi \rangle + \langle \bar{\psi} \gamma_5 \tau_1 \psi \rangle + \langle \bar{\psi} \gamma_5 \tau_2 \psi \rangle$ -odd operators: QCD mixing and renormalization. Physical Review D, 2015, 92, .	4.7	27
18	Machine learning estimators for lattice QCD observables. Physical Review D, 2019, 100, .	4.7	19

#	ARTICLE	IF	CITATIONS
19	Machine-learning prediction for quasiparton distribution function matrix elements. Physical Review D, 2020, 101, .	4.7	18
20	Probing nucleon strange and charm distributions with lattice QCD. Physical Review D, 2021, 104, .	4.7	14
21	Light and heavy flavor dijet production and dijet mass modification in heavy ion collisions. Physical Review D, 2019, 99, .	4.7	12
22	Moments of nucleon isovector structure functions in $\langle \bar{q}q \rangle$ -flavor QCD. Physical Review D, 2020, 102, .	4.7	12
23	Contribution of the QCD $\langle \bar{q}q \rangle$ -term to the nucleon electric dipole moment. Physical Review D, 2021, 103, .	4.7	12
24	Neutron Electric Dipole Moment on the Lattice. EPJ Web of Conferences, 2018, 175, 01014.	0.3	6
25	A regression algorithm for accelerated lattice QCD that exploits sparse inference on the D-Wave quantum annealer. Scientific Reports, 2020, 10, 10915.	3.3	5
26	Nucleon momentum fraction, helicity and transversity from 2+1-flavor lattice QCD. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
27	A machine learning approach for efficient multi-dimensional integration. Scientific Reports, 2021, 11, 18965.	3.3	3
28	Neutron Electric Dipole Moment from Beyond the Standard Model. , 2019, , .		2
29	The Contribution of Novel CP Violating Operators to the nEDM using Lattice QCD. EPJ Web of Conferences, 2017, 137, 08007.	0.3	1
30	Isovector and flavor-diagonal charges of the nucleon. EPJ Web of Conferences, 2018, 175, 06029.	0.3	1
31	Lossy compression of statistical data using quantum annealer. Scientific Reports, 2022, 12, 3814.	3.3	1