

# Boram Yoon

## List of Publications by Year in descending order

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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	Lossy compression of statistical data using quantum annealer. Scientific Reports, 2022, 12, 3814.	3.3	1
2	Precision nucleon charges and form factors using $\langle \hat{T}_j \rangle$ . Physical Review Letters, 2021, 127, 242002.	4.7	35
3	Nucleon momentum fraction, helicity and transversity from 2+1-flavor lattice QCD. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
4	Contribution of the QCD $\langle \hat{T}_j \rangle$ -term to the nucleon electric dipole moment. Physical Review D, 2021, 103, .	4.7	12
5	A machine learning approach for efficient multi-dimensional integration. Scientific Reports, 2021, 11, 18965.	3.3	3
6	Probing nucleon strange and charm distributions with lattice QCD. Physical Review D, 2021, 104, .	4.7	14
7	Pion-Nucleon Sigma Term from Lattice QCD. Physical Review Letters, 2021, 127, 242002.	7.8	28
8	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
9	Nucleon electromagnetic form factors in the continuum limit from $\langle \hat{T}_j \rangle$ . Physical Review Letters, 2020, 124, 072002.	4.7	37
10	Machine-learning prediction for quasiparton distribution function matrix elements. Physical Review D, 2020, 101, .	4.7	18
11	Moments of nucleon isovector structure functions in $2+1$ -flavor QCD. Physical Review D, 2020, 102, .	4.7	12
12	Axial Vector Form Factors from Lattice QCD that Satisfy the PCAC Relation. Physical Review Letters, 2020, 124, 072002.	7.8	55
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	Machine learning estimators for lattice QCD observables. Physical Review D, 2019, 100, .	4.7	19
15	Light and heavy flavor dijet production and dijet mass modification in heavy ion collisions. Physical Review D, 2019, 99, .	4.7	12
16	Neutron Electric Dipole Moment from Beyond the Standard Model. , 2019, , .		2
17	Neutron Electric Dipole Moment on the Lattice. EPJ Web of Conferences, 2018, 175, 01014.	0.3	6
18	Isovector and flavor-diagonal charges of the nucleon. EPJ Web of Conferences, 2018, 175, 06029.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Flavor diagonal tensor charges of the nucleon from $T_j$ ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 752 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" style="font-size: small;"><math>T_j</math> ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 752 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" style="font-size: small;"></math>)	4.7	63
20	Quark contribution to the proton spin from $\langle S_q \rangle$ (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" style="font-size: small;"><math>\langle S_q \rangle</math>)	4.7	31
21	Isovector charges of the nucleon from $\langle S_q \rangle$ (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" style="font-size: small;"><math>\langle S_q \rangle</math>)	4.7	96
22	Isovector charges of the nucleon from 2+1 -flavor QCD with clover fermions. Physical Review D, 2017, 95, .	4.7	39
23	Nucleon transverse momentum-dependent parton distributions in lattice QCD: Renormalization patterns and discretization effects. Physical Review D, 2017, 96, .	4.7	45
24	Axial-vector form factors of the nucleon from lattice QCD. Physical Review D, 2017, 96, .	4.7	80
25	The Contribution of Novel CP Violating Operators to the nEDM using Lattice QCD. EPJ Web of Conferences, 2017, 137, 08007.	0.3	1
26	Controlling excited-state contamination in nucleon matrix elements. Physical Review D, 2016, 93, .	4.7	36
27	Axial, scalar, and tensor charges of the nucleon from $\langle S_q \rangle$ (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" style="font-size: small;"><math>\langle S_q \rangle</math>)	4.7	104
28	Isovector and isoscalar tensor charges of the nucleon from lattice QCD. Physical Review D, 2015, 92, .	4.7	86
29	Dimension-5 $C$ (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" style="font-size: small;"><math>C</math>) $P$ (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" style="font-size: small;"><math>P</math>) odd operators: QCD mixing and renormalization. Physical Review D, 2015, 92, .	4.7	27
30	Neutron Electric Dipole Moment and Tensor Charges from Lattice QCD. Physical Review Letters, 2015, 115, 212002.	7.8	103
31	Nucleon charges and electromagnetic form factors from $\langle S_q \rangle$ (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" style="font-size: small;"><math>\langle S_q \rangle</math>)	4.7	95