

# Giannis Koutsou

## List of Publications by Year in descending order

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34  
papers

1,484  
citations

257450

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h-index

414414

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36  
all docs

36  
docs citations

36  
times ranked

811  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nucleon and pion structure with lattice QCD simulations at physical value of the pion mass. Physical Review D, 2015, 92, .	4.7	115
2	Nucleon Spin and Momentum Decomposition Using Lattice QCD Simulations. Physical Review Letters, 2017, 119, 142002.	7.8	95
3	Direct Evaluation of the Quark Content of Nucleons from Lattice QCD at the Physical Point. Physical Review Letters, 2016, 116, 252001.	7.8	94
4	Nucleon form factors and moments of generalized parton distributions using $\langle \mathbf{f}_N \rangle$ twisted mass fermions. Physical Review D, 2017, 96, .	4.7	89
5	Nucleon electromagnetic form factors from lattice QCD. Physical Review D, 2006, 74, .	4.7	81
6	Nucleon axial form factors using $\langle \mathbf{f}_N \rangle$ twisted mass fermions with a physical value of the pion mass. Physical Review D, 2017, 96, .	4.7	75
7	Complete flavor decomposition of the spin and momentum fraction of the proton using lattice QCD simulations at physical pion mass. Physical Review D, 2020, 101, .	4.7	69
8	Nucleon axial, tensor, and scalar charges and $\langle \mathbf{f}_N \rangle$ -terms in lattice QCD. Physical Review D, 2020, 102, .	4.7	68
9	Disconnected quark loop contributions to nucleon observables in lattice QCD. Physical Review D, 2014, 89, .	4.7	64
10	Axial nucleon and nucleon to $\langle \mathbf{f}_N \rangle$ form factors and the Goldberger-Treiman relations from lattice QCD. Physical Review D, 2007, 76, .	4.7	63
11	Light baryon masses with dynamical twisted mass fermions. Physical Review D, 2008, 78, .	4.7	62
12	Simulating twisted mass fermions at physical light, strange, and charm quark masses. Physical Review D, 2018, 98, .	4.7	58
13	Proton and neutron electromagnetic form factors from lattice QCD. Physical Review D, 2019, 100, .	4.7	58
14	$\langle \mathbf{f}_N \rangle$ -baryon electromagnetic form factors in lattice QCD. Physical Review D, 2009, 79, .	4.7	50
15	First physics results at the physical pion mass from $\langle \mathbf{f}_N \rangle$ Wilson twisted mass fermions at maximal twist. Physical Review D, 2017, 95, .	4.7	44
16	Nucleon scalar and tensor charges using lattice QCD simulations at the physical value of the pion mass. Physical Review D, 2017, 95, .	4.7	37
17	Nucleon axial and pseudoscalar form factors from lattice QCD at the physical point. Physical Review D, 2021, 103, .	4.7	35
18	and $\langle \mathbf{f}_N \rangle$ of the pion PDF from lattice QCD with $\langle \mathbf{f}_N \rangle$ . Physical Review D, 2019, 99, .	4.7	34

#	ARTICLE	IF	CITATIONS
19	Parton distribution functions of $\hat{\Gamma}$ on the lattice. Physical Review D, 2020, 102, .	4.7	34
20	Moments of nucleon generalized parton distributions from lattice QCD simulations at physical pion mass. Physical Review D, 2020, 101, .	4.7	32
21	Evaluation of disconnected quark loops for hadron structure using GPUs. Computer Physics Communications, 2014, 185, 1370-1382.	7.5	28
22	Neutron electric dipole moment using $N$ mass fermions. Physical Review D, 2016, 93, .	4.7	26
23	Evaluation of fermion loops applied to the calculation of the mass and the nucleon scalar and electromagnetic form factors. Computer Physics Communications, 2012, 183, 1215-1224.	7.5	22
24	Model-independent determination of the nucleon charge radius from lattice QCD. Physical Review D, 2020, 101, .	4.7	15
25	Strangeness of the nucleon from lattice QCD. Physical Review D, 2015, 91, .	4.7	12
26	Quark flavor decomposition of the nucleon axial form factors. Physical Review D, 2021, 104, .	4.7	8
27	Scalar, vector, and tensor form factors for the pion and kaon from lattice QCD. Physical Review D, 2022, 105, .	4.7	8
28	Position space method for the nucleon magnetic moment in lattice QCD. Physical Review D, 2016, 94, .	4.7	7
29	First moment of the flavour octet nucleon parton distribution function using lattice QCD. Journal of High Energy Physics, 2015, 2015, 1.	4.7	5
30	Modeling the evolution of COVID-19 via compartmental and particle-based approaches: Application to the Cyprus case. PLoS ONE, 2021, 16, e0250709.	2.5	2
31	Nucleon spin and quark content at the physical point. , 2017, , .		2
32	Nucleon form factors with $N$ twisted mass fermions. , 2010, , .		0
33	Nucleon Structure and the Neutron Electric Dipole Moment from Twisted Mass Lattice QCD. Few-Body Systems, 2017, 58, 1.	1.5	0
34	Title is missing!. , 2018, , .		0