

# Petros Dimopoulos

## List of Publications by Year in descending order

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66  
papers

2,933  
citations

218381

26  
h-index

161609

54  
g-index

71  
all docs

71  
docs citations

71  
times ranked

2005  
citing authors

#	ARTICLE	IF	CITATIONS
1	Contribution to understanding the phase structure of strong interaction matter: Lee-Yang edge singularities from lattice QCD. Physical Review D, 2022, 105, .	1.6	20
2	Nucleon axial and pseudoscalar form factors from lattice QCD at the physical point. Physical Review D, 2021, 103, .	1.6	35
3	Net-baryon Number Fluctuations. Acta Physica Polonica B, Proceedings Supplement, 2021, 14, 241.	0.0	9
4	Quark masses using twisted-mass fermion gauge ensembles. Physical Review D, 2021, 104, .	1.6	19
5	Ratio of kaon and pion leptonic decay constants with $\langle N \rangle_f / \langle N \rangle_{f=2}$ Wilson-clover twisted-mass fermions. Physical Review D, 2021, 104, .	1.6	12
6	Moments of nucleon generalized parton distributions from lattice QCD simulations at physical pion mass. Physical Review D, 2020, 101, .	1.6	32
7	FLAG Review 2019. European Physical Journal C, 2020, 80, 1.	1.4	486
8	Quark masses and decay constants in $N_f=2+1+1$ isoQCD with Wilson clover twisted mass fermions. , 2020, , .		5
9	Dynamical Generation of Elementary Fermion Mass: First Lattice Evidence. Physical Review Letters, 2019, 123, 061802.	2.9	4
10	Topological susceptibility and $\hat{\Gamma} \in^2$ meson mass from $\langle N \rangle_f / \langle N \rangle_{f=2}$ lattice QCD at the physical point. Physical Review D, 2019, 99, .	1.6	13
11	Pion vector form factor from lattice QCD at the physical point. Physical Review D, 2018, 97, .	1.6	18
12	Testing a non-perturbative mechanism for elementary fermion mass generation: lattice setup. EPJ Web of Conferences, 2018, 175, 08009.	0.1	2
13	Simulation of an ensemble of $N_f = 2 + 1 + 1$ twisted mass cloverimproved fermions at physical quark masses. EPJ Web of Conferences, 2018, 175, 02003.	0.1	3
14	Testing a non-perturbative mechanism for elementary fermion mass generation: numerical results. EPJ Web of Conferences, 2018, 175, 08008.	0.1	2
15	Simulating twisted mass fermions at physical light, strange, and charm quark masses. Physical Review D, 2018, 98, .	1.6	58
16	Non-perturbative renormalisation and running of BSM four-quark operators in $N_f = 2$ QCD. European Physical Journal C, 2018, 78, 1.	1.4	4
17	Review of lattice results concerning low-energy particle physics. European Physical Journal C, 2017, 77, 112.	1.4	439
18	First physics results at the physical pion mass from $\langle N \rangle_f / \langle N \rangle_{f=2}$ Wilson twisted mass fermions at maximal twist. Physical Review D, 2017, 95, .	1.6	44

#	ARTICLE	IF	CITATIONS
19	Nucleon scalar and tensor charges using lattice QCD simulations at the physical value of the pion mass. Physical Review D, 2017, 95, .	1.6	37
20	Isospin-0 $\pi\pi$ scattering length from twisted mass lattice QCD. Physical Review D, 2017, 96, .	1.6	35
21	Isospin-0 $\pi\pi$ scattering from twisted mass lattice QCD. , 2017, , .		1
22	Heavy flavour precision physics from Nf=2+1+1 lattice simulations. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1638-1644.	0.2	1
23	Mass of the $B_c$ quark and meson decay constants from lattice QCD. Physical Review D, 2015, 92, .	1.6	37
24	Isospin-0 $\pi\pi$ scattering parameters in the standard model and beyond from lattice QCD. Physical Review D, 2015, 92, .	1.6	53
25	Nucleon and pion structure with lattice QCD simulations at physical value of the pion mass. Physical Review D, 2015, 92, .	1.6	115
26	Leptonic decay constants $f_K$ , $f_D$ and $f_{D^*}$ . Physical Review D, 2015, 92, .	1.6	79
27	Updated results from maximally twisted mass QCD at the physical point. , 2015, , .		1
28	Up, down, strange and charm quark masses with lattice QCD. Physical Review D, 2014, 90, .	1.6	26
29	Up, down, strange and charm quark masses with lattice QCD. Nuclear Physics B, 2014, 887, 19-68.	0.9	133
30	B-physics from Nf = 2 tmQCD: the Standard Model and beyond. Journal of High Energy Physics, 2014, 2014, 1.	1.6	70
31	Kaon mixing beyond the SM from Nf = 2 tmQCD and model independent constraints from the UTA. Journal of High Energy Physics, 2013, 2013, 1.	1.6	18
32	Isospin breaking effects due to the up-down mass difference in lattice QCD. Journal of High Energy Physics, 2012, 2012, 1.	1.6	51
33	Lattice QCD determination of $m_b$ , $f_B$ and $f_{B_s}$ with twisted mass Wilson fermions. Journal of High Energy Physics, 2012, 2012, 1.	1.6	53
34	Vector and tensor couplings from lattice QCD. Physical Review D, 2011, 84, .	1.6	2
35	Perturbative renormalization factors and $O(a^2)$ corrections for lattice four-fermion operators with improved fermion/gluon actions. Physical Review D, 2011, 83, .	1.6	4
36	BK-parameter from Nf=2 twisted mass lattice QCD. Physical Review D, 2011, 83, .	1.6	21

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37	A proposal for B-physics on current lattices. Journal of High Energy Physics, 2010, 2010, 1.	1.6	43
38	Non-perturbative renormalization of quark bilinear operators with $N_f = 2$ (tmQCD) Wilson fermions and the tree-level improved gauge action. Journal of High Energy Physics, 2010, 2010, 1.	1.6	88
39	Light meson physics from maximally twisted mass lattice QCD. Journal of High Energy Physics, 2010, 2010, 1.	1.6	103
40	Average up/down, strange, and charm quark masses with $N_f=2$ twisted-mass lattice QCD. Physical Review D, 2010, 82, .	1.6	56
41	$O(\frac{1}{\Lambda^2})$ cutoff effects in lattice Wilson fermion simulations. Physical Review D, 2010, 81, .	1.6	22
42	Quenched BK-parameter from Osterwalder-Seiler tmQCD quarks and mass-splitting discretization effects. Journal of High Energy Physics, 2009, 2009, 007-007.	1.6	5
43	Pseudoscalar decay constants of kaon and $D$ -mesons from $N_f = 2$ twisted mass Lattice QCD. Journal of High Energy Physics, 2009, 2009, 043-043.	1.6	40
44	Dynamical twisted mass fermions with light quarks: simulation and analysis details. Computer Physics Communications, 2008, 179, 695-715.	3.0	135
45	Light baryon masses with dynamical twisted mass fermions. Physical Review D, 2008, 78, .	1.6	62
46	Non-perturbative renormalisation of $F=2$ four-fermion operators in two-flavour QCD. Journal of High Energy Physics, 2008, 2008, 065-065.	1.6	10
47	Light quark masses and pseudoscalar decay constants from $N_f=2$ lattice QCD with twisted mass fermions. Journal of High Energy Physics, 2008, 2008, 020-020.	1.6	19
48	Flavour symmetry restoration and kaon weak matrix elements in quenched twisted mass QCD. Nuclear Physics B, 2007, 776, 258-285.	0.9	12
49	Dynamical twisted mass fermions with light quarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 650, 304-311.	1.5	121
50	4-dimensional layer phase as a gauge field localization: Extensive study of the 5-dimensional anisotropic $U(1)$ gauge model on the lattice. Physical Review D, 2006, 74, .	1.6	16
51	A precise determination of $\beta$ in quenched QCD. Nuclear Physics B, 2006, 749, 69-108.	0.9	26
52	Non-perturbative renormalisation of left-left four-fermion operators with Neuberger fermions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 641, 118-124.	1.5	8
53	Precision computation of BK in quenched lattice QCD. Nuclear Physics, Section B, Proceedings Supplements, 2005, 140, 362-364.	0.5	3
54	Layered Higgs phase as a possible field localization on a brane. Physical Review D, 2004, 70, .	1.6	10

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55	BK from twisted mass QCD. Nuclear Physics, Section B, Proceedings Supplements, 2004, 129-130, 308-310.	0.5	6
56	Three-dimensional gonihedric Potts model. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 318, 499-505.	0.9	1
57	Phase diagram for the anisotropic SU(2) adjoint Higgs model in 5D: Lattice evidence for layered structure. Physical Review D, 2002, 65, .	1.6	15
58	Slow dynamics in the three-dimensional gonihedric model. Physical Review E, 2002, 66, 056112.	0.8	19
59	Multi-layer structure in the strongly coupled 5D abelian Higgs model. European Physical Journal C, 2002, 24, 287-296.	1.4	8
60	Branes in the 5D Abelian Higgs Model. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 950-952.	0.5	0
61	Multi-Layer structure in the strongly coupled 5D Abelian Higgs model. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 956-958.	0.5	0
62	Lattice evidence for gauge field localization on a brane. Nuclear Physics B, 2001, 617, 237-252.	0.9	30
63	Phase structure of the 5D abelian Higgs model with anisotropic couplings. Journal of High Energy Physics, 2001, 2001, 005-005.	1.6	15
64	Decoupling of layers in the three-dimensional Abelian Higgs model. Physical Review D, 2001, 63, .	1.6	2
65	Three-dimensional lattice U(1) gauge-Higgs model at low $m_H$ . European Physical Journal C, 1998, 1, 711-719.	1.4	12
66	Nucleon and pion structure with lattice QCD simulations at physical value of the pion mass. , 0, .		1