

Hidenori Fukaya

List of Publications by Year in descending order

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43
papers

2,055
citations

430442

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253896

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docs citations

44
times ranked

3751
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of the axial $U(1)$ anomaly in the chiral susceptibility of QCD at high temperature. Progress of Theoretical and Experimental Physics, 2022, 2022, .	1.8	8
2	Mod-two APS index and domain-wall fermion. Letters in Mathematical Physics, 2022, 112, 1.	0.5	3
3	Curved domain-wall fermions. Progress of Theoretical and Experimental Physics, 2022, 2022, .	1.8	3
4	Study of the axial $U(1)$ anomaly at high temperature with lattice chiral fermions. Physical Review D, 2021, 103, .	1.6	16
5	Understanding the index theorems with massive fermions. International Journal of Modern Physics A, 2021, 36, .	0.5	4
6	The Atiyah-Patodi-Singer Index and Domain-Wall Fermion Dirac Operators. Communications in Mathematical Physics, 2020, 380, 1295-1311.	1.0	12
7	The Atiyah-Patodi-Singer index on a lattice. Progress of Theoretical and Experimental Physics, 2020, 2020, .	1.8	11
8	FLAG Review 2019. European Physical Journal C, 2020, 80, 1.	1.4	486
9	Symmetries of spatial meson correlators in high temperature QCD. Physical Review D, 2019, 100, .	1.6	26
10	Atiyah-Patodi-Singer index theorem for domain-wall fermion Dirac operator. EPJ Web of Conferences, 2018, 175, 11009.	0.1	3
11	Can axial $U(1)$ anomaly disappear at high temperature?. EPJ Web of Conferences, 2018, 175, 01012.	0.1	9
12	Axial $U(1)$ symmetry at high temperature in 2-flavor lattice QCD. EPJ Web of Conferences, 2018, 175, 07025.	0.1	6
13	Topological susceptibility of QCD with dynamical \mathbb{Z}_2 domain-wall fermions. Progress of Theoretical and Experimental Physics, 2018, 2018, .	1.8	14
14	Lattice computation of the Dirac eigenvalue density in the perturbative regime of QCD. Physical Review D, 2018, 98, .	1.6	13
15	Topological Susceptibility in $N_f = 2$ QCD at Finite Temperature. EPJ Web of Conferences, 2018, 175, 07024.	0.1	4
16	Review of lattice results concerning low-energy particle physics. European Physical Journal C, 2017, 77, 112.	1.4	439
17	Lattice calculation of coordinate-space vector and axial-vector current correlators in QCD. Physical Review D, 2017, 96, .	1.6	7
18	Chiral behavior of K decay form factors in lattice QCD with exact chiral symmetry. Physical Review D, 2017, 96, .	1.6	10

#	ARTICLE	IF	CITATIONS
19	Evidence of effective axial $U(1)$ symmetry in the chiral condensate from the lattice QCD. Physical Review D, 2017, 96, .	1.6	24
20	Approximate degeneracy of J and \bar{J} spatial correlators in high temperature QCD. Physical Review D, 2017, 96, .	1.6	21
21	Approximate degeneracy of J and \bar{J} spatial correlators in high temperature QCD. Physical Review D, 2017, 96, .	1.6	24
22	Atiyah-Patodi-Singer index from the domain-wall fermion Dirac operator. Physical Review D, 2017, 96, .	1.6	22
23	Six-dimensional regularization of chiral gauge theories. Progress of Theoretical and Experimental Physics, 2017, 2017, .	1.8	8
24	Stochastic calculation of the Dirac spectrum on the lattice and a determination of chiral condensate in 1-flavor QCD. Progress of Theoretical and Experimental Physics, 2016, 2016, 093B06.	1.8	24
25	Violation of chirality of the \tilde{M} domain-wall Dirac operator from the eigenmodes. Physical Review D, 2016, 93, .	1.6	10
26	Renormalization of domain-wall bilinear operators with short-distance current correlators. Physical Review D, 2016, 94, .	1.6	13
27	\hat{m} meson mass from topological charge density correlator in QCD. Physical Review D, 2015, 92, .	1.6	28
28	Review of lattice results concerning low-energy particle physics. European Physical Journal C, 2014, 74, 2890.	1.4	375
29	Extracting the electromagnetic pion form factor from QCD in a finite volume. Physical Review D, 2014, 90, .	1.6	2
30	Computation of the electromagnetic pion form factor from lattice QCD in the \hat{m} regime. Physical Review D, 2014, 90, .	1.6	13
31	Finite temperature study of the axial $U(1)$ symmetry on the lattice with overlap fermion formulation. Physical Review D, 2013, 88, .	1.6	70
32	Finite temperature study of the axial $U(1)$ symmetry on the lattice with overlap fermion formulation. Physical Review D, 2013, 87, .	1.6	70
33	Chiral symmetry restoration, the eigenvalue density of the Dirac operator, and the axial $U(1)$ anomaly at finite temperature. Physical Review D, 2012, 86, .	1.6	71
34	Interpolation between the \hat{m} and p regimes. Physical Review D, 2011, 84, .	1.6	9
35	Determination of the chiral condensate from QCD Dirac spectrum on the lattice. Physical Review D, 2011, 83, .	1.6	30
36	Chiral Symmetry Breaking on the Lattice. , 2011, , .		0

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37	Determination of the Chiral Condensate from (2+1)-Flavor Lattice QCD. Physical Review Letters, 2010, 104, 122002.	2.9	37
38	Strong coupling constant from vacuum polarization functions in three-flavor lattice QCD with dynamical overlap fermions. Physical Review D, 2010, 82, .	1.6	35
39	Chiral perturbation theory in \hat{a} vacuum. Physical Review D, 2010, 81, .	1.6	18
40	Nonperturbative renormalization of bilinear operators with dynamical overlap fermions. Physical Review D, 2010, 81, .	1.6	10
41	Pion form factors from two-flavor lattice QCD with exact chiral symmetry. Physical Review D, 2009, 80, .	1.6	48
42	Partially quenched chiral perturbation theory in the $\bar{\mu}$ -regime. Nuclear Physics B, 2008, 793, 160-191.	0.9	11
43	Finite volume scaling of pseudo Nambu-Goldstone bosons in QCD. Journal of High Energy Physics, 2008, 2008, 008-008.	1.6	15