

Rainer Sommer

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

832
citations

933447

10
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

340
citing authors

#	ARTICLE	IF	CITATIONS
1	Chiral symmetry and $O(a)$ improvement in lattice QCD. Nuclear Physics B, 1996, 478, 365-397.	2.5	449
2	The running coupling from the QCD Schrödinger functional: a one-loop analysis. Nuclear Physics B, 1996, 465, 71-98.	2.5	113
3	QCD Coupling from a Nonperturbative Determination of the Three-Flavor β Parameter. Physical Review Letters, 2017, 119, 102001.	7.8	79
4	Determination of the QCD β Parameter and the Accuracy of Perturbation Theory at High Energies. Physical Review Letters, 2016, 117, 182001.	7.8	36
5	The running coupling of QCD with four flavors. Nuclear Physics B, 2010, 840, 114-128.	2.5	33
6	Slow running of the gradient flow coupling from 200 MeV to 4 GeV in $N_f = 3$ QCD. Physical Review D, 2017, 95, .	4.7	32
7	Effects of Heavy Sea Quarks at Low Energies. Physical Review Letters, 2015, 114, 102001.	7.8	28
8	Asymptotic behavior of cutoff effects in Yang-Mills theory and in Wilson's lattice QCD. European Physical Journal C, 2020, 80, 1.	3.9	21
9	How perturbative are heavy sea quarks?. Nuclear Physics B, 2019, 943, 114612.	2.5	14
10	A non-perturbative exploration of the high energy regime in $N_f = 3$ QCD. European Physical Journal C, 2018, 78, 1.	3.9	13
11	Non-perturbative renormalization by decoupling. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 807, 135571.	4.1	9
12	The asymptotic approach to the continuum of lattice QCD spectral observables. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137069.	4.1	5