

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	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
2	Non-perturbative renormalization by decoupling. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 807, 135571.	4.1	9
3	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
4	How perturbative are heavy sea quarks?. Nuclear Physics B, 2019, 943, 114612.	2.5	14
5	A non-perturbative exploration of the high energy regime in $N_f = 3$ QCD. European Physical Journal C, 2018, 78, 1.	3.9	13
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	QCD Coupling from a Nonperturbative Determination of the Three-Flavor β Function. Physical Review Letters, 2017, 119, 102001.	7.8	79
8	Determination of the QCD β Function Parameter and the Accuracy of Perturbation Theory at High Energies. Physical Review Letters, 2016, 117, 182001.	7.8	36
9	Effects of Heavy Sea Quarks at Low Energies. Physical Review Letters, 2015, 114, 102001.	7.8	28
10	The running coupling of QCD with four flavors. Nuclear Physics B, 2010, 840, 114-128.	2.5	33
11	The running coupling from the QCD Schrödinger functional: a one-loop analysis. Nuclear Physics B, 1996, 465, 71-98.	2.5	113
12	Chiral symmetry and $O(a)$ improvement in lattice QCD. Nuclear Physics B, 1996, 478, 365-397.	2.5	449