

Robert G Edwards

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

4,606
citations

94433

37
h-index

189892

50
g-index

53
all docs

53
docs citations

53
times ranked

1436
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy-Dependent $\langle \mathbb{E} \rangle + \langle \mathbb{E} \rangle$ Scattering Amplitude from QCD. Physical Review Letters, 2021, 126, 012001.	4.7	26
2	Distillation at high momentum. Physical Review D, 2021, 103, .	4.7	12
3	Decays of an exotic $1 \rightarrow 1$ hybrid meson resonance in QCD. Physical Review D, 2021, 103, .	4.7	15
4	Towards high-precision parton distributions from lattice QCD via distillation. Journal of High Energy Physics, 2021, 2021, 1.	4.7	17
5	Pion valence quark distribution from current-current correlation in lattice QCD. Physical Review D, 2020, 102, .	4.7	65
6	Quark-Mass Dependence of Elastic $K \rightarrow K$ Scattering from QCD. Physical Review Letters, 2019, 123, 042002.	7.8	33
7	Status and future perspectives for lattice gauge theory calculations to the exascale and beyond. European Physical Journal A, 2019, 55, 1.	2.5	37
8	Hadrons and nuclei. European Physical Journal A, 2019, 55, 1.	2.5	58
9	resonance in coupled $b \rightarrow 1$ isoscalar scattering from lattice QCD. Physical Review D, 2018, 97, .	4.7	40
10	scattering and the $K \rightarrow K$ scattering and the $K \rightarrow K$ scattering from lattice QCD. Physical Review D, 2018, 97, .	4.7	81
11	Dynamically-coupled partial-waves in \mathbb{E} isospin-2 scattering from lattice QCD. Journal of High Energy Physics, 2018, 2018, 1.	4.7	36
12	Isoscalar $\mathbb{E} \rightarrow \mathbb{E}$ Meson Resonance from QCD. Physical Review Letters, 2017, 118, 022002.	7.8	135
13	Tetraquark operators in lattice QCD and exotic flavour states in the charm sector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	46
14	An in strongly coupled $0 \rightarrow 0$ scattering from lattice QCD. Physical Review Letters, 2017, 118, 022002.	4.7	106
15	and the resonant $\mathbb{E} \rightarrow \mathbb{E}$ scattering from lattice QCD. Physical Review Letters, 2017, 118, 022002.	4.7	65
16	Spectroscopy of doubly charmed baryons from lattice QCD. Physical Review D, 2015, 91, .	4.7	58
17	Excited meson radiative transitions from lattice QCD using variationally optimized operators. Physical Review D, 2015, 91, .	4.7	39
18	Coupled $K \rightarrow K$ scattering from lattice QCD. Physical Review Letters, 2015, 115, 022002.	4.7	152

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19	Resonant $\langle \hat{\alpha} \rangle$ from Quantum Chromodynamics. Physical Review Letters, 2015, 115, 242001.	4.8	55
20	Resonances in coupled $\langle \hat{\alpha} \rangle$ from lattice QCD. Physical Review D, 2015, 91, .	4.7	101
21	Spectroscopy of triply charmed baryons from lattice QCD. Physical Review D, 2014, 90, .	4.7	52
22	Resonances in Coupled $\langle \hat{\alpha} \rangle$ from Quantum Chromodynamics. Physical Review Letters, 2014, 113, 182001.	4.8	130
23	Toward the excited isoscalar meson spectrum from lattice QCD. Physical Review D, 2013, 88, .	4.7	115
24	Energy dependence of the $\langle \hat{\alpha} \rangle$ resonance in $\langle \hat{\alpha} \rangle$ elastic scattering from lattice QCD. Physical Review D, 2013, 87, .	4.7	169
25	Coupled-channel scattering on a torus. Physical Review D, 2013, 88, .	4.7	102
26	Flavor structure of the excited baryon spectra from lattice QCD. Physical Review D, 2013, 87, .	4.7	123
27	Excited and exotic charmonium spectroscopy from lattice QCD. Journal of High Energy Physics, 2012, 2012, 1.	4.7	172
28	Helicity operators for mesons in flight on the lattice. Physical Review D, 2012, 85, .	4.7	59
29	Publisher's Note: Helicity operators for mesons in flight on the lattice [Phys. Rev. D 85 , 014507 (2012)]. Physical Review D, 2012, 85, .	4.7	6
30	Hybrid baryons in QCD. Physical Review D, 2012, 85, .	4.7	83
31	$\langle \hat{\alpha} \rangle$ and $\langle \hat{\alpha} \rangle$ -wave phase shifts in isospin-2 $\langle \hat{\alpha} \rangle$ scattering from lattice QCD.	4.7	131
32	Phase shift of isospin-2 $\langle \hat{\alpha} \rangle$ scattering from lattice QCD. Physical Review D, 2011, 83, .	4.7	56
33	Lattice QCD and the Jefferson Lab Program. Journal of Physics: Conference Series, 2011, 299, 012007.	0.4	4
34	Isoscalar meson spectroscopy from lattice QCD. Physical Review D, 2011, 83, .	4.7	121
35	Excited state baryon spectroscopy from lattice QCD. Physical Review D, 2011, 84, .	4.7	289
36	An anisotropic preconditioning for the Wilson fermion matrix on the lattice. Computational Science & Discovery, 2010, 3, 015001.	1.5	0

#	ARTICLE	IF	CITATIONS
37	Toward the excited meson spectrum of dynamical QCD. Physical Review D, 2010, 82, .	4.7	174
38	Highly Excited and Exotic Meson Spectrum from Dynamical Lattice QCD. Physical Review Letters, 2009, 103, 262001.	7.8	135
39	Excited state nucleon spectrum with two flavors of dynamical fermions. Physical Review D, 2009, 79, .	4.7	59
40	First results from $2+1$ dynamical quark flavors on an anisotropic lattice: Light-hadron spectroscopy and setting the strange-quark mass. Physical Review D, 2009, 79, .	4.7	177
41	Novel quark-field creation operator construction for hadronic physics in lattice QCD. Physical Review D, 2009, 80, .	4.7	198
42	Exotic and excited-state radiative transitions in charmonium from lattice QCD. Physical Review D, 2009, 79, .	4.7	87
43	Nuclear physics using lattice QCD in the SciDAC era. Journal of Physics: Conference Series, 2009, 180, 012069.	0.4	1
44	Exploring the spectrum of QCD using the lattice. Journal of Physics: Conference Series, 2009, 180, 012067.	0.4	3
45	Tuning for three flavors of anisotropic clover fermions with stout-link smearing. Physical Review D, 2008, 78, .	4.7	99
46	Charmonium excited state spectrum in lattice QCD. Physical Review D, 2008, 77, .	4.7	125
47	Lattice study of the N^*P_{11} transition form factors. Physical Review D, 2008, 78, .	4.7	27
48	The Chroma Software System for Lattice QCD. Nuclear Physics, Section B, Proceedings Supplements, 2005, 140, 832-834.	0.4	572
49	Clebsch-Gordan construction of lattice interpolated fields for excited baryons. Physical Review D, 2005, 72, .	4.7	63
50	Energy dependence of the ρ -resonance in $\pi\pi$ elastic scattering from lattice QCD. , 0, .		2