

Robert G Edwards

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5108724/robert-g-edwards-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50
papers

3,651
citations

34
h-index

53
g-index

53
ext. papers

4,171
ext. citations

4.8
avg, IF

5.55
L-index

#	Paper	IF	Citations
50	The Chroma Software System for Lattice QCD. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2005 , 140, 832-834		474
49	Excited state baryon spectroscopy from lattice QCD. <i>Physical Review D</i> , 2011 , 84,	4.9	235
48	First results from 2+1 dynamical quark flavors on an anisotropic lattice: Light-hadron spectroscopy and setting the strange-quark mass. <i>Physical Review D</i> , 2009 , 79,	4.9	163
47	Novel quark-field creation operator construction for hadronic physics in lattice QCD. <i>Physical Review D</i> , 2009 , 80,	4.9	151
46	Excited and exotic charmonium spectroscopy from lattice QCD. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	142
45	Energy dependence of the ρ resonance in $\pi\pi$ elastic scattering from lattice QCD. <i>Physical Review D</i> , 2013 , 87,	4.9	142
44	Toward the excited meson spectrum of dynamical QCD. <i>Physical Review D</i> , 2010 , 82,	4.9	139
43	Coupled $\pi\pi$ scattering in P-wave and the ρ resonance from lattice QCD. <i>Physical Review D</i> , 2015 , 92,	4.9	124
42	Charmonium excited state spectrum in lattice QCD. <i>Physical Review D</i> , 2008 , 77,	4.9	112
41	Resonances in coupled $\pi\pi$ scattering from quantum chromodynamics. <i>Physical Review Letters</i> , 2014 , 113, 182001	7.4	110
40	Highly excited and exotic meson spectrum from dynamical lattice QCD. <i>Physical Review Letters</i> , 2009 , 103, 262001	7.4	107
39	S- and D-wave phase shifts in isospin-2 $\pi\pi$ scattering from lattice QCD. <i>Physical Review D</i> , 2012 , 86,	4.9	106
38	Isoscalar $\pi\pi$ scattering and the ρ Meson Resonance from QCD. <i>Physical Review Letters</i> , 2017 , 118, 022002	7.4	105
37	Isoscalar meson spectroscopy from lattice QCD. <i>Physical Review D</i> , 2011 , 83,	4.9	99
36	Flavor structure of the excited baryon spectra from lattice QCD. <i>Physical Review D</i> , 2013 , 87,	4.9	98
35	Tuning for three flavors of anisotropic clover fermions with stout-link smearing. <i>Physical Review D</i> , 2008 , 78,	4.9	88
34	An a_0 resonance in strongly coupled $\pi\pi$ scattering from lattice QCD. <i>Physical Review D</i> , 2016 , 93,	4.9	86

33	Resonances in coupled π, π scattering from lattice QCD. <i>Physical Review D</i> , 2015 , 91,	4.9	83
32	Coupled-channel scattering on a torus. <i>Physical Review D</i> , 2013 , 88,	4.9	80
31	Toward the excited isoscalar meson spectrum from lattice QCD. <i>Physical Review D</i> , 2013 , 88,	4.9	76
30	Hybrid baryons in QCD. <i>Physical Review D</i> , 2012 , 85,	4.9	70
29	Exotic and excited-state radiative transitions in charmonium from lattice QCD. <i>Physical Review D</i> , 2009 , 79,	4.9	68
28	Isoscalar $\pi K K \pi$ scattering and the f_0, f_2 mesons from QCD. <i>Physical Review D</i> , 2018 , 97,	4.9	58
27	Excited state nucleon spectrum with two flavors of dynamical fermions. <i>Physical Review D</i> , 2009 , 79,	4.9	56
26	Clebsch-Gordan construction of lattice interpolated fields for excited baryons. <i>Physical Review D</i> , 2005 , 72,	4.9	55
25	$\pi\pi$ amplitude and the resonant $\pi\pi$ transition from lattice QCD. <i>Physical Review D</i> , 2016 , 93,	4.9	53
24	Phase shift of isospin-2 $\pi\pi$ scattering from lattice QCD. <i>Physical Review D</i> , 2011 , 83,	4.9	50
23	Helicity operators for mesons in flight on the lattice. <i>Physical Review D</i> , 2012 , 85,	4.9	48
22	Spectroscopy of doubly charmed baryons from lattice QCD. <i>Physical Review D</i> , 2015 , 91,	4.9	45
21	Resonant $\pi^+\pi^0\pi^0$ Amplitude from Quantum Chromodynamics. <i>Physical Review Letters</i> , 2015 , 115, 242001	7.4	44
20	Pion valence quark distribution from current-current correlation in lattice QCD. <i>Physical Review D</i> , 2020 , 102,	4.9	37
19	Spectroscopy of triply charmed baryons from lattice QCD. <i>Physical Review D</i> , 2014 , 90,	4.9	36
18	Hadrons and nuclei. <i>European Physical Journal A</i> , 2019 , 55, 1	2.5	36
17	Tetraquark operators in lattice QCD and exotic flavour states in the charm sector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	30
16	Dynamically-coupled partial-waves in π isospin-2 scattering from lattice QCD. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	30

15	Excited meson radiative transitions from lattice QCD using variationally optimized operators. <i>Physical Review D</i> , 2015 , 91,	4.9	26
14	Lattice study of the $N\pi$ transition form factors. <i>Physical Review D</i> , 2008 , 78,	4.9	26
13	b_1 resonance in coupled $\pi\pi$ scattering from lattice QCD. <i>Physical Review D</i> , 2019 , 100,	4.9	26
12	Status and future perspectives for lattice gauge theory calculations to the exascale and beyond. <i>European Physical Journal A</i> , 2019 , 55, 1	2.5	21
11	Quark-Mass Dependence of Elastic $\pi\pi$ Scattering from QCD. <i>Physical Review Letters</i> , 2019 , 123, 042002	7.4	18
10	Energy-Dependent $\pi^+\pi^+\pi^+$ Scattering Amplitude from QCD. <i>Physical Review Letters</i> , 2021 , 126, 012001	7.4	18
9	Decays of an exotic 1π hybrid meson resonance in QCD. <i>Physical Review D</i> , 2021 , 103,	4.9	10
8	Distillation at high momentum. <i>Physical Review D</i> , 2021 , 103,	4.9	7
7	Publisher's Note: Helicity operators for mesons in flight on the lattice [Phys. Rev. D 85, 014507 (2012)]. <i>Physical Review D</i> , 2012 , 85,	4.9	5
6	Lattice QCD and the Jefferson Lab Program. <i>Journal of Physics: Conference Series</i> , 2011 , 299, 012007	0.3	3
5	Exploring the spectrum of QCD using the lattice. <i>Journal of Physics: Conference Series</i> , 2009 , 180, 012067	0.3	3
4	Energy dependence of the ρ resonance in $\pi\pi$ elastic scattering from lattice QCD		2
3	Towards high-precision parton distributions from lattice QCD via distillation. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
2	An anisotropic preconditioning for the Wilson fermion matrix on the lattice. <i>Computational Science & Discovery</i> , 2010 , 3, 015001		
1	Nuclear physics using lattice QCD in the SciDAC era. <i>Journal of Physics: Conference Series</i> , 2009 , 180, 012069		