

Robert G Edwards

List of Publications by Year in Descending Order

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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 | Towards high-precision parton distributions from lattice QCD via distillation. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1 | 5.4 | 2 |
| 49 | Decays of an exotic $1\mathbb{H}$ hybrid meson resonance in QCD. <i>Physical Review D</i> , 2021 , 103, | 4.9 | 10 |
| 48 | Energy-Dependent $\pi\pi\pi\pi$ Scattering Amplitude from QCD. <i>Physical Review Letters</i> , 2021 , 126, 012001 | 7.4 | 18 |
| 47 | Distillation at high momentum. <i>Physical Review D</i> , 2021 , 103, | 4.9 | 7 |
| 46 | Pion valence quark distribution from current-current correlation in lattice QCD. <i>Physical Review D</i> , 2020 , 102, | 4.9 | 37 |
| 45 | Quark-Mass Dependence of Elastic \mathbb{K} Scattering from QCD. <i>Physical Review Letters</i> , 2019 , 123, 042002 | 7.4 | 18 |
| 44 | 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 |
| 43 | Hadrons and nuclei. <i>European Physical Journal A</i> , 2019 , 55, 1 | 2.5 | 36 |
| 42 | b_1 resonance in coupled $\pi\pi$ scattering from lattice QCD. <i>Physical Review D</i> , 2019 , 100, | 4.9 | 26 |
| 41 | Isoscalar $\pi\mathbb{K}\mathbb{K}$ scattering and the πf_0 , f_2 mesons from QCD. <i>Physical Review D</i> , 2018 , 97, | 4.9 | 58 |
| 40 | 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 |
| 39 | Isoscalar \mathbb{K} scattering and the \mathbb{K} Meson Resonance from QCD. <i>Physical Review Letters</i> , 2017 , 118, 022002 | 7.4 | 105 |
| 38 | 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 |
| 37 | An a_0 resonance in strongly coupled $\pi\mathbb{K}\mathbb{K}$ scattering from lattice QCD. <i>Physical Review D</i> , 2016 , 93, | 4.9 | 86 |
| 36 | \mathbb{H} amplitude and the resonant \mathbb{H} transition from lattice QCD. <i>Physical Review D</i> , 2016 , 93, | 4.9 | 53 |
| 35 | Resonances in coupled \mathbb{K},\mathbb{K} scattering from lattice QCD. <i>Physical Review D</i> , 2015 , 91, | 4.9 | 83 |
| 34 | Spectroscopy of doubly charmed baryons from lattice QCD. <i>Physical Review D</i> , 2015 , 91, | 4.9 | 45 |

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| 33 | Excited meson radiative transitions from lattice QCD using variationally optimized operators. <i>Physical Review D</i> , 2015 , 91, | 4.9 | 26 |
| 32 | Coupled $\pi K K$ scattering in P-wave and the π resonance from lattice QCD. <i>Physical Review D</i> , 2015 , 92, | 4.9 | 124 |
| 31 | Resonant $\pi\pi\pi$ Amplitude from Quantum Chromodynamics. <i>Physical Review Letters</i> , 2015 , 115, 242001 | 7.4 | 44 |
| 30 | Spectroscopy of triply charmed baryons from lattice QCD. <i>Physical Review D</i> , 2014 , 90, | 4.9 | 36 |
| 29 | Resonances in coupled $K-K$ scattering from quantum chromodynamics. <i>Physical Review Letters</i> , 2014 , 113, 182001 | 7.4 | 110 |
| 28 | Toward the excited isoscalar meson spectrum from lattice QCD. <i>Physical Review D</i> , 2013 , 88, | 4.9 | 76 |
| 27 | Energy dependence of the π resonance in π elastic scattering from lattice QCD. <i>Physical Review D</i> , 2013 , 87, | 4.9 | 142 |
| 26 | Coupled-channel scattering on a torus. <i>Physical Review D</i> , 2013 , 88, | 4.9 | 80 |
| 25 | Flavor structure of the excited baryon spectra from lattice QCD. <i>Physical Review D</i> , 2013 , 87, | 4.9 | 98 |
| 24 | Excited and exotic charmonium spectroscopy from lattice QCD. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 142 |
| 23 | Helicity operators for mesons in flight on the lattice. <i>Physical Review D</i> , 2012 , 85, | 4.9 | 48 |
| 22 | 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 |
| 21 | Hybrid baryons in QCD. <i>Physical Review D</i> , 2012 , 85, | 4.9 | 70 |
| 20 | S- and D-wave phase shifts in isospin-2 π scattering from lattice QCD. <i>Physical Review D</i> , 2012 , 86, | 4.9 | 106 |
| 19 | Lattice QCD and the Jefferson Lab Program. <i>Journal of Physics: Conference Series</i> , 2011 , 299, 012007 | 0.3 | 3 |
| 18 | Phase shift of isospin-2 π scattering from lattice QCD. <i>Physical Review D</i> , 2011 , 83, | 4.9 | 50 |
| 17 | Isoscalar meson spectroscopy from lattice QCD. <i>Physical Review D</i> , 2011 , 83, | 4.9 | 99 |
| 16 | Excited state baryon spectroscopy from lattice QCD. <i>Physical Review D</i> , 2011 , 84, | 4.9 | 235 |

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| 15 | An anisotropic preconditioning for the Wilson fermion matrix on the lattice. <i>Computational Science & Discovery</i> , 2010 , 3, 015001 | | |
| 14 | Toward the excited meson spectrum of dynamical QCD. <i>Physical Review D</i> , 2010 , 82, | 4.9 | 139 |
| 13 | Highly excited and exotic meson spectrum from dynamical lattice QCD. <i>Physical Review Letters</i> , 2009 , 103, 262001 | 7.4 | 107 |
| 12 | Excited state nucleon spectrum with two flavors of dynamical fermions. <i>Physical Review D</i> , 2009 , 79, | 4.9 | 56 |
| 11 | 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 |
| 10 | Novel quark-field creation operator construction for hadronic physics in lattice QCD. <i>Physical Review D</i> , 2009 , 80, | 4.9 | 151 |
| 9 | Exotic and excited-state radiative transitions in charmonium from lattice QCD. <i>Physical Review D</i> , 2009 , 79, | 4.9 | 68 |
| 8 | Nuclear physics using lattice QCD in the SciDAC era. <i>Journal of Physics: Conference Series</i> , 2009 , 180, 012069 | | |
| 7 | Exploring the spectrum of QCD using the lattice. <i>Journal of Physics: Conference Series</i> , 2009 , 180, 012067 | 0.3 | 3 |
| 6 | Tuning for three flavors of anisotropic clover fermions with stout-link smearing. <i>Physical Review D</i> , 2008 , 78, | 4.9 | 88 |
| 5 | Charmonium excited state spectrum in lattice QCD. <i>Physical Review D</i> , 2008 , 77, | 4.9 | 112 |
| 4 | Lattice study of the $N\bar{B}11$ transition form factors. <i>Physical Review D</i> , 2008 , 78, | 4.9 | 26 |
| 3 | Clebsch-Gordan construction of lattice interpolated fields for excited baryons. <i>Physical Review D</i> , 2005 , 72, | 4.9 | 55 |
| 2 | The Chroma Software System for Lattice QCD. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2005 , 140, 832-834 | | 474 |
| 1 | Energy dependence of the ρ resonance in $\pi\pi$ elastic scattering from lattice QCD | | 2 |