

Jozef J Dudek

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.

47
papers

3,292
citations

31
h-index

51
g-index

51
ext. papers

3,792
ext. citations

6.5
avg, IF

5.53
L-index

#	Paper	IF	Citations
47	Decays of an exotic 1^3P_0 hybrid meson resonance in QCD. <i>Physical Review D</i> , 2021 , 103,	4.9	10
46	Excited J^PC meson resonances at the SU(3) flavor point from lattice QCD. <i>Physical Review D</i> , 2021 , 103,	4.9	2
45	Constraining 1^3P_0 coupled-channel amplitudes in a finite volume. <i>Physical Review D</i> , 2021 , 104,	4.9	2
44	Efficient solution of the multichannel Lüscher determinant condition through eigenvalue decomposition. <i>Physical Review D</i> , 2020 , 101,	4.9	7
43	Quark-Mass Dependence of Elastic $\pi\pi$ Scattering from QCD. <i>Physical Review Letters</i> , 2019 , 123, 042002	7.4	18
42	Hadrons and nuclei. <i>European Physical Journal A</i> , 2019 , 55, 1	2.5	36
41	b_1 resonance in coupled $\pi\pi$ scattering from lattice QCD. <i>Physical Review D</i> , 2019 , 100,	4.9	26
40	Scattering processes and resonances from lattice QCD. <i>Reviews of Modern Physics</i> , 2018 , 90,	40.5	134
39	Isoscalar $\pi K\bar{K}$ scattering and the f_0, f_2 mesons from QCD. <i>Physical Review D</i> , 2018 , 97,	4.9	58
38	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
37	Isoscalar $\pi\pi$ scattering and the ω Meson Resonance from QCD. <i>Physical Review Letters</i> , 2017 , 118, 022002	7.4	105
36	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
35	An a_0 resonance in strongly coupled $\pi K\bar{K}$ scattering from lattice QCD. <i>Physical Review D</i> , 2016 , 93,	4.9	86
34	$\pi\pi$ amplitude and the resonant $\pi\pi$ transition from lattice QCD. <i>Physical Review D</i> , 2016 , 93,	4.9	53
33	Searching for the rules that govern hadron construction. <i>Nature</i> , 2016 , 534, 487-93	50.4	19
32	Hadron Resonances from QCD. <i>EPJ Web of Conferences</i> , 2016 , 113, 01001	0.3	1
31	Hadron scattering and resonances in QCD 2016 ,		4

30	Resonances in coupled $\bar{K}K$ scattering from lattice QCD. <i>Physical Review D</i> , 2015 , 91,	4.9	83
29	Excited meson radiative transitions from lattice QCD using variationally optimized operators. <i>Physical Review D</i> , 2015 , 91,	4.9	26
28	Coupled $\pi K\bar{K}$ scattering in P-wave and the ρ resonance from lattice QCD. <i>Physical Review D</i> , 2015 , 92,	4.9	124
27	Resonant $\pi\pi \rightarrow \pi\pi$ Amplitude from Quantum Chromodynamics. <i>Physical Review Letters</i> , 2015 , 115, 242001	7.4	44
26	Gluonic excitations in the hadronic spectrum. <i>EPJ Web of Conferences</i> , 2014 , 73, 01004	0.3	
25	Resonances in coupled $\bar{K}K$ scattering from quantum chromodynamics. <i>Physical Review Letters</i> , 2014 , 113, 182001	7.4	110
24	Toward the excited isoscalar meson spectrum from lattice QCD. <i>Physical Review D</i> , 2013 , 88,	4.9	76
23	Energy dependence of the ρ resonance in $\pi\pi$ elastic scattering from lattice QCD. <i>Physical Review D</i> , 2013 , 87,	4.9	142
22	Coupled-channel scattering on a torus. <i>Physical Review D</i> , 2013 , 88,	4.9	80
21	Excited and exotic charmonium spectroscopy from lattice QCD. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	142
20	Helicity operators for mesons in flight on the lattice. <i>Physical Review D</i> , 2012 , 85,	4.9	48
19	Hybrid baryons in QCD. <i>Physical Review D</i> , 2012 , 85,	4.9	70
18	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
17	Physics opportunities with the 12 GeV upgrade at Jefferson Lab. <i>European Physical Journal A</i> , 2012 , 48, 1	2.5	188
16	Lattice QCD and the Jefferson Lab Program. <i>Journal of Physics: Conference Series</i> , 2011 , 299, 012007	0.3	3
15	Phase shift of isospin-2 $\pi\pi$ scattering from lattice QCD. <i>Physical Review D</i> , 2011 , 83,	4.9	50
14	The lightest hybrid meson supermultiplet in QCD. <i>Physical Review D</i> , 2011 , 84,	4.9	70
13	Isoscalar meson spectroscopy from lattice QCD. <i>Physical Review D</i> , 2011 , 83,	4.9	99

12	Excited state baryon spectroscopy from lattice QCD. <i>Physical Review D</i> , 2011 , 84,	4.9	235
11	Toward the excited meson spectrum of dynamical QCD. <i>Physical Review D</i> , 2010 , 82,	4.9	139
10	Highly excited and exotic meson spectrum from dynamical lattice QCD. <i>Physical Review Letters</i> , 2009 , 103, 262001	7.4	107
9	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
8	Novel quark-field creation operator construction for hadronic physics in lattice QCD. <i>Physical Review D</i> , 2009 , 80,	4.9	151
7	Exotic and excited-state radiative transitions in charmonium from lattice QCD. <i>Physical Review D</i> , 2009 , 79,	4.9	68
6	Charmonium excited state spectrum in lattice QCD. <i>Physical Review D</i> , 2008 , 77,	4.9	112
5	Charmonium in lattice QCD and the nonrelativistic quark model. <i>Physical Review D</i> , 2008 , 78,	4.9	27
4	Radiative Physics in Charmonium from Lattice QCD. <i>Journal of Physics: Conference Series</i> , 2007 , 69, 012006	6.3	3
3	Radiative transitions in charmonium from lattice QCD. <i>Physical Review D</i> , 2006 , 73,	4.9	110
2	Two-photon decays of charmonia from lattice QCD. <i>Physical Review Letters</i> , 2006 , 97, 172001	7.4	45
1	Energy dependence of the ρ resonance in π -elastic scattering from lattice QCD		2