

# Jozef J Dudek

## List of Publications by Year in descending order

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48  
papers

4,191  
citations

109264

35  
h-index

214721

47  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1468  
citing authors

#	ARTICLE	IF	CITATIONS
1	Excited state baryon spectroscopy from lattice QCD. Physical Review D, 2011, 84, .	1.6	289
2	Physics opportunities with the 12 GeV upgrade at Jefferson Lab. European Physical Journal A, 2012, 48, 1.	1.0	234
3	Novel quark-field creation operator construction for hadronic physics in lattice QCD. Physical Review D, 2009, 80, .	1.6	198
4	Scattering processes and resonances from lattice QCD. Reviews of Modern Physics, 2018, 90, .	16.4	192
5	First results from dynamical quark flavors on an anisotropic lattice: Light-hadron spectroscopy and setting the strange-quark mass. Physical Review D, 2009, 79, .	1.6	177
6	Toward the excited meson spectrum of dynamical QCD. Physical Review D, 2010, 82, .	1.6	174
7	Excited and exotic charmonium spectroscopy from lattice QCD. Journal of High Energy Physics, 2012, 2012, 1.	1.6	172
8	Energy dependence of the resonance in elastic scattering from lattice QCD. Physical Review D, 2013, 87, .	1.6	169
9	Excited meson spectrum from lattice QCD. Physical Review D, 2013, 87, .	1.6	152
10	Radiative transitions in charmonium from lattice QCD. Physical Review D, 2006, 73, .	1.6	143
11	Highly Excited and Exotic Meson Spectrum from Dynamical Lattice QCD. Physical Review Letters, 2009, 103, 262001.	2.9	135
12	Isoscalar Scattering and the Meson Resonance from QCD. Physical Review Letters, 2017, 118, 022002.	2.9	135
13	D-wave phase shifts in isospin-2 scattering from lattice QCD.	1.6	131
14	Resonances in Coupled scattering from Quantum Chromodynamics. Physical Review Letters, 2014, 113, 182001.	2.9	130
15	Charmonium excited state spectrum in lattice QCD. Physical Review D, 2008, 77, .	1.6	125
16	Isoscalar meson spectroscopy from lattice QCD. Physical Review D, 2011, 83, .	1.6	121
17	Toward the excited isoscalar meson spectrum from lattice QCD. Physical Review D, 2013, 88, .	1.6	115
18	Resonances in coupled scattering from lattice QCD. Physical Review D, 2015, 91, .	1.6	110

#	ARTICLE	IF	CITATIONS
19	<p>in strongly coupled <math>\chi</math> scattering from lattice QCD. Physical Review D, 2013, 88, .</p> <p>Physical Review D, 2013, 88, .</p>	1.6	106
20	Coupled-channel scattering on a torus. Physical Review D, 2013, 88, .	1.6	102
21	The lightest hybrid meson supermultiplet in QCD. Physical Review D, 2011, 84, .	1.6	90
22	Exotic and excited-state radiative transitions in charmonium from lattice QCD. Physical Review D, 2009, 79, .	1.6	87
23	Hybrid baryons in QCD. Physical Review D, 2012, 85, .	1.6	83
24	Isoscalar $\chi$ scattering and the $\chi$ scattering from lattice QCD. Physical Review D, 2011, 83, .	1.6	81
25	Resonant $\chi$ scattering and the $\chi$ scattering from lattice QCD. Physical Review D, 2011, 83, .	1.6	65
26	Helicity operators for mesons in flight on the lattice. Physical Review D, 2012, 85, .	1.6	59
27	Hadrons and nuclei. European Physical Journal A, 2019, 55, 1.	1.0	58
28	Two-Photon Decays of Charmonia from Lattice QCD. Physical Review Letters, 2006, 97, 172001.	2.9	56
29	Phase shift of isospin-2 $\chi$ scattering from lattice QCD. Physical Review D, 2011, 83, .	1.6	56
30	Resonant $\chi$ scattering from Quantum Chromodynamics. Physical Review Letters, 2015, 115, 242001.	2.9	55
31	Tetraquark operators in lattice QCD and exotic flavour states in the charm sector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	46
32	Resonance in coupled $\chi$ scattering from lattice QCD. Physical Review D, 2011, 83, .	1.6	40
33	Excited meson radiative transitions from lattice QCD using variationally optimized operators. Physical Review D, 2015, 91, .	1.6	39
34	Dynamically-coupled partial-waves in $\chi$ isospin-2 scattering from lattice QCD. Journal of High Energy Physics, 2018, 2018, 1.	1.6	36
35	Decays of an exotic $\chi$ hybrid meson resonance in QCD. Physical Review D, 2021, 103, .	1.6	35
36	Quark-Mass Dependence of Elastic $\chi$ Scattering from QCD. Physical Review Letters, 2019, 123, 042002.	2.9	33

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37	Charmonium in lattice QCD and the nonrelativistic quark model. Physical Review D, 2008, 78, .	1.6	27
38	Searching for the rules that govern hadron construction. Nature, 2016, 534, 487-493.	13.7	26
39	Efficient solution of the multichannel L <sup>1/4</sup> schur determinant condition through eigenvalue decomposition. Physical Review D, 2020, 101, .	1.6	11
40	Constraining $\int_0^1 dx \int_0^{1-x} dy \int_0^{1-x-y} dz$ coupled-channel amplitudes in a finite volume. Physical Review D, 2021, 104, .	1.6	10
41	Excited $\int_0^1 dx \int_0^{1-x} dy \int_0^{1-x-y} dz$ meson resonances at the SU(3) flavor point from lattice QCD. Physical Review D, 2021, 103, .	1.6	10
42	Radiative Physics in Charmonium from Lattice QCD. Journal of Physics: Conference Series, 2007, 69, 012006.	0.3	5
43	Lattice QCD and the Jefferson Lab Program. Journal of Physics: Conference Series, 2011, 299, 012007.	0.3	4
44	Hadron scattering and resonances in QCD. AIP Conference Proceedings, 2016, , .	0.3	4
45	Energy dependence of the $\rho$ -resonance in $\pi\pi$ elastic scattering from lattice QCD. , 0, .		2
46	Hadron Resonances from QCD. EPJ Web of Conferences, 2016, 113, 01001.	0.1	1
47	Excited charmonium physics from lattice QCD. , 2009, , .		0
48	Gluonic excitations in the hadronic spectrum. EPJ Web of Conferences, 2014, 73, 01004.	0.1	0