

Marek Karliner

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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.

75
papers

2,383
citations

25
h-index

48
g-index

83
ext. papers

2,757
ext. citations

5.4
avg, IF

5.78
L-index

#	Paper	IF	Citations
75	A diquark-triquark model for the KN pentaquark. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 575, 249-255	4.2	207
74	New Exotic Meson and Baryon Resonances from Doubly Heavy Hadronic Molecules. <i>Physical Review Letters</i> , 2015 , 115, 122001	7.4	174
73	Discovery of the Doubly Charmed Ξ_{cc} Baryon Implies a Stable $b\bar{b}u\bar{d}$ Tetraquark. <i>Physical Review Letters</i> , 2017 , 119, 202001	7.4	153
72	Baryons with two heavy quarks: Masses, production, decays, and detection. <i>Physical Review D</i> , 2014 , 90,	4.9	142
71	Baryon spectrum of the Skyrme model. <i>Physical Review D</i> , 1985 , 31, 2833-2848	4.9	126
70	The OZI rule does not apply to baryons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989 , 217, 173-180	4.2	110
69	Multiquark States. <i>Annual Review of Nuclear and Particle Science</i> , 2018 , 68, 17-44	15.7	103
68	Comparison of the Padé approximation method to perturbative QCD calculations. <i>Physical Review Letters</i> , 1995 , 74, 4380-4383	7.4	94
67	The quark model and Λ baryons. <i>Annals of Physics</i> , 2009 , 324, 2-15	2.5	86
66	QQQ states: Masses, production, and decays. <i>Physical Review D</i> , 2017 , 95,	4.9	83
65	Chiral-Soliton Predictions for Exotic Baryons. <i>Journal of High Energy Physics</i> , 2004 , 2004, 002-002	5.4	76
64	Photoproduction of exotic baryon resonances. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 752, 329-332	4.2	75
63	π N, KN, and $\bar{K}N$ scattering: Skyrme model versus experiment. <i>Physical Review D</i> , 1986 , 34, 1991-2024.9	4.9	71
62	Intrinsic Charm of Vector Mesons: A Possible Solution of the "Puzzle". <i>Physical Review Letters</i> , 1997 , 78, 4682-4685	7.4	66
61	Very narrow excited Λ baryons. <i>Physical Review D</i> , 2017 , 95,	4.9	62
60	Renormalization-scheme dependence of Padé summation in QCD. <i>Physical Review D</i> , 1996 , 54, 6986-6996.4.9	4.9	51
59	Quark solitons as constituents of hadrons. <i>Nuclear Physics B</i> , 1992 , 382, 189-212	2.8	46

58	Padé approximants, optimal renormalization scales, and momentum flow in Feynman diagrams. <i>Physical Review D</i> , 1997 , 56, 6980-6992	4.9	45
57	The t expansion and SU(2) lattice gauge theory. <i>Physical Review D</i> , 1985 , 31, 2589-2599	4.9	44
56	The doubly heavies: $(\overline{Q}Q\overline{q}q)$ and $(\overline{Q}Q\overline{q}q)$ tetraquarks and QQq baryons. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	43
55	Hadron dynamics in the three-flavor Skyrme model. <i>Physical Review Letters</i> , 1986 , 56, 428-431	7.4	33
54	The new $\Lambda(1520)$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 660, 539-544	4.4	32
53	Puzzles in Hadronic Physics and Novel Quantum Chromodynamics Phenomenology. <i>Annual Review of Nuclear and Particle Science</i> , 2012 , 62, 1-35	15.7	30
52	Exotic resonances due to Λ -exchange. <i>Nuclear Physics A</i> , 2016 , 954, 365-370	1.3	28
51	Why the $\Lambda(1520)$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 597, 309-313	4.13	25
50	Prospects for observing the lowest-lying odd-parity Λ and Σ baryons. <i>Physical Review D</i> , 2015 , 92,	4.9	24
49	The narrow width of the $\Lambda(1520)$ possible explanation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 586, 303-306	4.2	24
48	NONPERTURBATIVE 2D QUANTUM GRAVITY VIA SUPERSYMMETRIC STRING. <i>Modern Physics Letters A</i> , 1990 , 05, 2565-2572	1.3	23
47	$X(3872)$, X_b , and the $\Lambda(1520)$ state. <i>Physical Review D</i> , 2015 , 91,	4.9	21
46	Diquarks and antiquarks in exotics: A Λ triplet and a Λ quartet. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 638, 221-228	4.2	20
45	Isospin splittings in baryons with two heavy quarks. <i>Physical Review D</i> , 2017 , 96,	4.9	19
44	Interpretation of structure in the di- J/ψ spectrum. <i>Physical Review D</i> , 2020 , 102,	4.9	18
43	Strange baryons with two heavy quarks. <i>Physical Review D</i> , 2018 , 97,	4.9	17
42	Radiative return capabilities of a high-energy, high-luminosity e^+e^- collider. <i>Physical Review D</i> , 2015 , 92,	4.9	15
41	How chiral solitons relate $\bar{K}N$ and πN scattering. <i>Physical Review Letters</i> , 1986 , 57, 523-526	7.4	15

40	Quark-level analogue of nuclear fusion with doubly heavy baryons. <i>Nature</i> , 2017 , 551, 89-91	50.4	14
39	First exotic hadron with open heavy flavor: $c\bar{u}d\bar{d}$ tetraquark. <i>Physical Review D</i> , 2020 , 102,	4.9	14
38	Meson-Baryon scattering in QCD2 for any coupling. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 566, 201-206	4.2	12
37	On electron-positron annihilation into nucleon-antinucleon pairs. <i>New Journal of Physics</i> , 2002 , 4, 18-18	2.9	12
36	On a possible tetraquark cousin of the Ξ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 612, 197-200	4.2	11
35	Glueball masses as a test of the $1/N$ expansion. <i>Physical Review Letters</i> , 1987 , 58, 1803-1806	7.4	10
34	Scaling of P-wave excitation energies in heavy-quark systems. <i>Physical Review D</i> , 2018 , 98,	4.9	10
33	New States with Heavy Quarks. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2012 , 225-227, 102-106		9
32	Generalized skyrmions in QCD and the electroweak sector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	8
31	A mass inequality for the Ξ and Ξ pentaquarks. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 594, 273-276	4.2	8
30	Interpretation of excited B signals. <i>Physical Review D</i> , 2020 , 102,	4.9	7
29	Baby Skyrmions on the two-sphere. <i>Physical Review E</i> , 2008 , 77, 036612	2.4	7
28	Hexagonal structure of baby Skyrmion lattices. <i>Physical Review D</i> , 2008 , 77,	4.9	6
27	Indications on the mass of the lightest electroweak baryon. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 233-236	4.2	5
26	Doubly Heavy Tetraquarks and Baryons. <i>EPJ Web of Conferences</i> , 2014 , 71, 00065	0.3	4
25	Spontaneous breaking of rotational symmetry in rotating solitons: A toy model of excited nucleons with high angular momentum. <i>Physical Review D</i> , 2008 , 77,	4.9	4
24	Scattering and resonances in QCD2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 541, 273-280	4.2	4
23	A diquark model for the $(d^{\wedge*})(2380)$ dibaryon resonance?. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	3

22	Heavy exotic quarkonia and doubly heavy baryons. <i>EPJ Web of Conferences</i> , 2015 , 96, 01019	0.3	3
21	Coalescence model for \bar{B} pentaquark formation. <i>Journal of High Energy Physics</i> , 2004 , 2004, 045-045	5.4	3
20	PENTAQUARKS. <i>International Journal of Modern Physics A</i> , 2005 , 20, 199-208	1.2	3
19	Cornucopia of Antineutrons and Hyperons from a Super J/ Ψ Factory for Next-Generation Nuclear and Particle Physics High-Precision Experiments. <i>Physical Review Letters</i> , 2021 , 127, 012003	7.4	3
18	Pentaquarks and doubly heavy exotic mesons. <i>EPJ Web of Conferences</i> , 2016 , 130, 01003	0.3	3
17	Configuration mixing in strange tetraquarks Z_{cs} . <i>Physical Review D</i> , 2021 , 104,	4.9	3
16	Status of isospin splittings in mesons and baryons. <i>Physical Review D</i> , 2019 , 100,	4.9	2
15	New States with Heavy Quarks. <i>EPJ Web of Conferences</i> , 2014 , 70, 00024	0.3	2
14	DIRECT ESTIMATE OF THE GLUON POLARIZATION IN THE NUCLEON. <i>Modern Physics Letters A</i> , 2006 , 21, 721-728	1.3	2
13	Mass inequalities for baryons with heavy quarks. <i>Physical Review D</i> , 2020 , 101,	4.9	2
12	From \bar{B} to \bar{B} , doubly heavy baryons and exotics. <i>International Journal of Modern Physics A</i> , 2015 , 30, 1530007	1.2	1
11	QCD and $e+e\bar{B}$ baryon + antibaryon. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 538, 321-326	4.2	1
10	Exotics with Heavy Quarks 2019 ,		1
9	Strange pentaquarks and excited Λ hyperons in $\bar{B}-b/\bar{B}$ - final states. <i>Science Bulletin</i> , 2021 , 66, 1256-1256	10.6	1
8	Comments on new heavy exotic Z_{cs} states. <i>Science Bulletin</i> , 2021 , 66, 2045-2046	10.6	0
7	DOUBLY HEAVY EXOTICS. <i>International Journal of Modern Physics Conference Series</i> , 2014 , 35, 1460432	0.7	
6	From Λ to \bar{B} , Doubly Heavy Baryons and Exotics 2015 , 345-365		
5	$\bar{B}=12$ rule in the light of two-dimensional QCD. <i>Physical Review D</i> , 1997 , 55, 3994-4000	4.9	

- 4 Scattering and resonances in QCD2. *Nuclear Physics, Section B, Proceedings Supplements*, **2003**, 117, 391-393
- 3 New tests for experiments producing pentaquarks. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2005**, 616, 191-195 4.2
- 2 Pentaquarks status report. *European Physical Journal D*, **2005**, 55, A119-A130
- 1 Scattering and Resonances in QCD2 **2003**, 391-393