

Marek Karliner

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.

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	Strange pentaquarks and excited hyperons in $\bar{B}-b/\bar{B}$ - final states. <i>Science Bulletin</i> , 2021 , 66, 1256-1256	10.6	1
74	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
73	Configuration mixing in strange tetraquarks Z_{cs} . <i>Physical Review D</i> , 2021 , 104,	4.9	3
72	Comments on new heavy exotic Z_{cs} states. <i>Science Bulletin</i> , 2021 , 66, 2045-2046	10.6	0
71	First exotic hadron with open heavy flavor: $c\bar{u}d\bar{d}$ tetraquark. <i>Physical Review D</i> , 2020 , 102,	4.9	14
70	Interpretation of excited \bar{B} signals. <i>Physical Review D</i> , 2020 , 102,	4.9	7
69	Interpretation of structure in the $d\bar{J}/\bar{\psi}$ spectrum. <i>Physical Review D</i> , 2020 , 102,	4.9	18
68	Mass inequalities for baryons with heavy quarks. <i>Physical Review D</i> , 2020 , 101,	4.9	2
67	A diquark model for the $(d^*)_{(2380)}$ dibaryon resonance?. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	3
66	Status of isospin splittings in mesons and baryons. <i>Physical Review D</i> , 2019 , 100,	4.9	2
65	Exotics with Heavy Quarks 2019 ,		1
64	Multiquark States. <i>Annual Review of Nuclear and Particle Science</i> , 2018 , 68, 17-44	15.7	103
63	Scaling of P-wave excitation energies in heavy-quark systems. <i>Physical Review D</i> , 2018 , 98,	4.9	10
62	Strange baryons with two heavy quarks. <i>Physical Review D</i> , 2018 , 97,	4.9	17
61	Quark-level analogue of nuclear fusion with doubly heavy baryons. <i>Nature</i> , 2017 , 551, 89-91	50.4	14
60	QQQ \bar{Q} states: Masses, production, and decays. <i>Physical Review D</i> , 2017 , 95,	4.9	83
59	Very narrow excited \bar{B} baryons. <i>Physical Review D</i> , 2017 , 95,	4.9	62

58	Discovery of the Doubly Charmed Ξ_{cc} Baryon Implies a Stable $\text{bbu}\overline{d}$ Tetraquark. <i>Physical Review Letters</i> , 2017 , 119, 202001	7.4	153
57	Isospin splittings in baryons with two heavy quarks. <i>Physical Review D</i> , 2017 , 96,	4.9	19
56	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
55	Pentaquarks and doubly heavy exotic mesons. <i>EPJ Web of Conferences</i> , 2016 , 130, 01003	0.3	3
54	Exotic resonances due to Ξ exchange. <i>Nuclear Physics A</i> , 2016 , 954, 365-370	1.3	28
53	$X(3872)$, X_b , and the $\mathbb{B}(3P)$ state. <i>Physical Review D</i> , 2015 , 91,	4.9	21
52	From \mathbb{B} to \mathbb{B} , doubly heavy baryons and exotics. <i>International Journal of Modern Physics A</i> , 2015 , 30, 1530007	1.2	1
51	Radiative return capabilities of a high-energy, high-luminosity e^+e^- collider. <i>Physical Review D</i> , 2015 , 92,	4.9	15
50	New Exotic Meson and Baryon Resonances from Doubly Heavy Hadronic Molecules. <i>Physical Review Letters</i> , 2015 , 115, 122001	7.4	174
49	Prospects for observing the lowest-lying odd-parity \mathbb{B} and \mathbb{B} baryons. <i>Physical Review D</i> , 2015 , 92,	4.9	24
48	From \mathbb{B} to \mathbb{B} , Doubly Heavy Baryons and Exotics 2015 , 345-365		
47	Heavy exotic quarkonia and doubly heavy baryons. <i>EPJ Web of Conferences</i> , 2015 , 96, 01019	0.3	3
46	DOUBLY HEAVY EXOTICS. <i>International Journal of Modern Physics Conference Series</i> , 2014 , 35, 1460432	0.7	
45	New States with Heavy Quarks. <i>EPJ Web of Conferences</i> , 2014 , 70, 00024	0.3	2
44	Doubly Heavy Tetraquarks and Baryons. <i>EPJ Web of Conferences</i> , 2014 , 71, 00065	0.3	4
43	Baryons with two heavy quarks: Masses, production, decays, and detection. <i>Physical Review D</i> , 2014 , 90,	4.9	142
42	The doubly heavies: $(\overline{Q}Q\overline{q}q)$ and $(QQ\overline{q}\overline{q})$ tetraquarks and QQq baryons. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	43
41	Generalized skyrmions in QCD and the electroweak sector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	8

40	New States with Heavy Quarks. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2012 , 225-227, 102-106		9
39	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
38	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
37	The quark model and b baryons. <i>Annals of Physics</i> , 2009 , 324, 2-15	2.5	86
36	Hexagonal structure of baby Skyrmion lattices. <i>Physical Review D</i> , 2008 , 77,	4.9	6
35	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
34	Baby Skyrmions on the two-sphere. <i>Physical Review E</i> , 2008 , 77, 036612	2.4	7
33	The new $\Lambda(1520)$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 660, 539-544	4.4	32
32	DIRECT ESTIMATE OF THE GLUON POLARIZATION IN THE NUCLEON. <i>Modern Physics Letters A</i> , 2006 , 21, 721-728	1.3	2
31	Diquarks and antiquarks in exotics: A Λ baryon Σ and a Λ baryon Σ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 638, 221-228	4.2	20
30	On a possible tetraquark cousin of the Λ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 612, 197-200	4.2	11
29	New tests for experiments producing pentaquarks. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 616, 191-195	4.2	
28	Pentaquarks status report. <i>European Physical Journal D</i> , 2005 , 55, A119-A130		
27	PENTAQUARKS. <i>International Journal of Modern Physics A</i> , 2005 , 20, 199-208	1.2	3
26	Coalescence model for Λ pentaquark formation. <i>Journal of High Energy Physics</i> , 2004 , 2004, 045-045	5.4	3
25	Chiral-Soliton Predictions for Exotic Baryons. <i>Journal of High Energy Physics</i> , 2004 , 2004, 002-002	5.4	76
24	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
23	A mass inequality for the Λ and Σ pentaquarks. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 594, 273-276	4.2	8

22	Why the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 597, 309-313	4.2	25
21	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
20	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
19	Scattering and resonances in QCD2. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2003 , 117, 391-393		
18	Scattering and Resonances in QCD2 2003 , 391-393		
17	QCD and e+e- to baryon + antibaryon. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 538, 321-326	4.2	1
16	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
15	On electron-positron annihilation into nucleon-antinucleon pairs. <i>New Journal of Physics</i> , 2002 , 4, 18-18	2.9	12
14	$\beta=12$ rule in the light of two-dimensional QCD. <i>Physical Review D</i> , 1997 , 55, 3994-4000	4.9	
13	Intrinsic Charm of Vector Mesons: A Possible Solution of the "Puzzle". <i>Physical Review Letters</i> , 1997 , 78, 4682-4685	7.4	66
12	Padé approximants, optimal renormalization scales, and momentum flow in Feynman diagrams. <i>Physical Review D</i> , 1997 , 56, 6980-6992	4.9	45
11	Renormalization-scheme dependence of Padé summation in QCD. <i>Physical Review D</i> , 1996 , 54, 6986-6996	4.9	51
10	Comparison of the Padé approximation method to perturbative QCD calculations. <i>Physical Review Letters</i> , 1995 , 74, 4380-4383	7.4	94
9	Quark solitons as constituents of hadrons. <i>Nuclear Physics B</i> , 1992 , 382, 189-212	2.8	46
8	NONPERTURBATIVE 2D QUANTUM GRAVITY VIA SUPERSYMMETRIC STRING. <i>Modern Physics Letters A</i> , 1990 , 05, 2565-2572	1.3	23
7	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
6	Glueball masses as a test of the 1/N expansion. <i>Physical Review Letters</i> , 1987 , 58, 1803-1806	7.4	10
5	Hadron dynamics in the three-flavor Skyrme model. <i>Physical Review Letters</i> , 1986 , 56, 428-431	7.4	33

4	π N, KN, and \bar{K} N scattering: Skyrme model versus experiment. <i>Physical Review D</i> , 1986 , 34, 1991-2024	4.9	71
3	How chiral solitons relate \bar{K} N and π N scattering. <i>Physical Review Letters</i> , 1986 , 57, 523-526	7.4	15
2	The t expansion and SU(2) lattice gauge theory. <i>Physical Review D</i> , 1985 , 31, 2589-2599	4.9	44
1	Baryon spectrum of the Skyrme model. <i>Physical Review D</i> , 1985 , 31, 2833-2848	4.9	126