

Alexey Nefediev

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.

91
papers

1,931
citations

26
h-index

41
g-index

102
ext. papers

2,598
ext. citations

3.6
avg, IF

4.98
L-index

#	Paper	IF	Citations
91	Coupled-channel approach to T_{cc^+} including three-body effects. <i>Physical Review D</i> , 2022 , 105,	4.9	2
90	Is $Z_{cs}(3982)$ a molecular partner of Z_c . <i>Physical Review D</i> , 2022 , 105,	4.9	1
89	Coupled-Channel Interpretation of the LHCb Double- J/ψ Spectrum and Hints of a New State Near the $J/\psi/\eta$ Threshold. <i>Physical Review Letters</i> , 2021 , 126, 132001	7.4	11
88	Insights into $Z_b(10610)$ and $Z_b(10650)$ from dipion transitions from $\eta(10860)$. <i>Physical Review D</i> , 2021 , 103,	4.9	4
87	Is the existence of a $J/\psi/\eta$ bound state plausible?. <i>Science Bulletin</i> , 2021 , 66, 2462-2462	10.6	0
86	The XYZ states: Experimental and theoretical status and perspectives. <i>Physics Reports</i> , 2020 , 873, 1-154	27.7	136
85	The Belle II Physics Book. <i>Progress of Theoretical and Experimental Physics</i> , 2020 , 2020,	5.4	58
84	Exotic Hadrons with Heavy Quarks. <i>Physics of Atomic Nuclei</i> , 2020 , 83, 975-979	0.4	
83	Deciphering the mechanism of near-threshold (J/ψ) photoproduction. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	15
82	Spin partners $W_b J$ from the line shapes of the $Z_b(10610)$ and $Z_b(10650)$. <i>Physical Review D</i> , 2019 , 99,	4.9	16
81	Remarks on the heavy-quark flavour symmetry for doubly heavy hadronic molecules. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	9
80	$X(3872)$ in the molecular model. <i>Physics-Uspekhi</i> , 2019 , 62, 568-595	2.8	22
79	Exotic hadrons in the decays of vector bottomonia. <i>Journal of Physics: Conference Series</i> , 2019 , 1390, 012036	0.3	
78	The Belle II Physics Book. <i>Progress of Theoretical and Experimental Physics</i> , 2019 , 2019,	5.4	163
77	Line shapes of the $Z_b(10610)$ and $Z_b(10650)$ in the elastic and inelastic channels revisited. <i>Physical Review D</i> , 2018 , 98,	4.9	32
76	Phenomenology of near-threshold resonances. <i>Physics of Atomic Nuclei</i> , 2017 , 80, 1006-1035	0.4	1
75	Molecular partners of the $X(3872)$ from heavy-quark spin symmetry: a fresh look. <i>EPJ Web of Conferences</i> , 2017 , 137, 06002	0.3	6

74	Phenomenology of near-threshold states: a practical parametrisation for the line shapes. <i>EPJ Web of Conferences</i> , 2017 , 137, 06020	0.3	0
73	Exclusive open-charm near-threshold cross sections in a coupled-channel approach. <i>JETP Letters</i> , 2017 , 105, 1-7	1.2	15
72	Can X(3915) be the tensor partner of the X(3872)? <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	6
71	Energy scan of cross sections for e+e-annihilation into quarkonia and light hadrons in the Belle experiment. <i>Physics of Particles and Nuclei</i> , 2017 , 48, 857-858	0.7	
70	Spin partners of the Z b (10610) and Z b (10650) revisited. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	26
69	Parametrizing the line shapes of near-threshold resonances. <i>Physics of Particles and Nuclei</i> , 2017 , 48, 849-850	0.7	
68	Interplay of quark and meson degrees of freedom in near-threshold states: A practical parametrization for line shapes. <i>Physical Review D</i> , 2016 , 93,	4.9	44
67	Remarks on meson loop effects on quark models. <i>European Physical Journal A</i> , 2016 , 52, 1	2.5	9
66	Chiral extrapolation of the X(3872) binding energy. <i>Journal of Physics: Conference Series</i> , 2016 , 675, 022013	0.3	2
65	Light-quark mass behaviour of the X(3872) as a molecular state. <i>EPJ Web of Conferences</i> , 2016 , 113, 050153	0.3	2
64	A practical parametrisation of line shapes of near-threshold resonances. <i>Journal of Physics: Conference Series</i> , 2016 , 675, 022016	0.3	2
63	Heavy-quark spin symmetry partners of the X(3872) revisited. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 763, 20-28	4.2	44
62	QCD string in excited heavy-light mesons and heavy-quark hybrids. <i>Physical Review D</i> , 2016 , 94,	4.9	5
61	Remarks on study of X(3872) from effective field theory with pion-exchange interaction. <i>Physical Review D</i> , 2015 , 91,	4.9	32
60	Practical Parametrization for Line Shapes of Near-Threshold States. <i>Physical Review Letters</i> , 2015 , 115, 202001	7.4	41
59	Binding energy of the X(3872) at unphysical pion masses. <i>Physical Review D</i> , 2015 , 92,	4.9	23
58	What can radiative decays of the X(3872) teach us about its nature?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 742, 394-398	4.2	32
57	Direct X(3872) production in e+e-collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 221-225	4.2	12

56	Non-perturbative pion dynamics for the X(3872). <i>EPJ Web of Conferences</i> , 2014 , 81, 05005	0.3	
55	One-pion exchange in the X (3872) revisited. <i>JETP Letters</i> , 2013 , 97, 70-75	1.2	10
54	Hadron physics potential of future high-luminosity B-factories at the $\sqrt{s}(5S)$ and above. <i>European Physical Journal A</i> , 2013 , 49, 1	2.5	17
53	X(3872) as the 1 D 2 charmonium. <i>Physics of Atomic Nuclei</i> , 2013 , 76, 1533-1540	0.4	1
52	Quark mass dependence of the X(3872) binding energy. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 537-543	4.2	37
51	Remarks on the quantum numbers of X(3872) from the invariant mass distributions of the χ/ψ and χ/ψ final states. <i>Physical Review D</i> , 2012 , 85,	4.9	44
50	Three-body DD dynamics for the X(3872). <i>Physical Review D</i> , 2011 , 84,	4.9	61
49	Dark quark domains. <i>JETP Letters</i> , 2010 , 92, 721-725	1.2	2
48	Comment on "Possibility of deeply bound hadronic molecules from single pion exchange". <i>Physical Review Letters</i> , 2010 , 105, 019101	7.4	33
47	X(3872) as a D21 charmonium state. <i>Physical Review D</i> , 2010 , 82,	4.9	22
46	Lineshapes for composite particles with unstable constituents. <i>Physical Review D</i> , 2010 , 81,	4.9	52
45	Quark and meson degrees of freedom in the X(3872) charmonium. <i>Physics of Atomic Nuclei</i> , 2010 , 73, 1592-1611	0.4	10
44	Interplay of quark and meson degrees of freedom in a near-threshold resonance. <i>European Physical Journal A</i> , 2010 , 44, 93-103	2.5	43
43	Nonperturbative dynamics in the color-magnetic QCD vacuum 2010 , 71, 171		
42	10.1007/s11450-008-2013-8 2010 , 71, 321		
41	Nature of X(3872) from data. <i>Physical Review D</i> , 2009 , 80,	4.9	53
40	DECONFINEMENT AND QUARK-GLUON PLASMA. <i>International Journal of Modern Physics E</i> , 2009 , 18, 549-599	0.7	30
39	Gluonic correlation length from spin-dependent potentials. <i>JETP Letters</i> , 2009 , 88, 558-563	1.2	3

38	Real-time approach to quark confined systems at finite temperatures. <i>JETP Letters</i> , 2009 , 90, 417-422	1.2	2
37	Hybrid charmonium. <i>Physics of Atomic Nuclei</i> , 2009 , 72, 333-338	0.4	2
36	Nonperturbative dynamics in the chromomagnetic QCD vacuum above the deconfinement temperature. <i>Physics of Atomic Nuclei</i> , 2009 , 72, 355-360	0.4	1
35	Chiral symmetry, the angular content of the vector current in QED and QCD, and the holographic description of hadrons. <i>Physical Review D</i> , 2009 , 80,	4.9	9
34	Chiral symmetry and excited baryons. <i>JETP Letters</i> , 2008 , 87, 271-275	1.2	8
33	Dynamical suppression of the spin-orbit interaction in hadrons. <i>JETP Letters</i> , 2008 , 88, 151-156	1.2	6
32	Spin-dependent interactions in quarkonia. <i>Physical Review D</i> , 2008 , 78,	4.9	24
31	Comment on "Once more about the KK π molecule approach to the light scalars" <i>Physical Review D</i> , 2008 , 78,	4.9	4
30	Spectra and decays of hybrid charmonia. <i>Physical Review D</i> , 2008 , 77,	4.9	39
29	Chiral restoration in excited nucleons versus SU(6). <i>Nuclear Physics A</i> , 2008 , 807, 38-47	1.3	16
28	Chiral symmetry breaking and the Lorentz nature of confinement. <i>Physical Review D</i> , 2007 , 76,	4.9	6
27	Reconciling the X(3872) with the near-threshold enhancement in the D0D π^0 final state. <i>Physical Review D</i> , 2007 , 76,	4.9	114
26	Chiral symmetry and the string description of excited hadrons. <i>Physical Review D</i> , 2007 , 76,	4.9	22
25	Microscopic derivation of the pion coupling to heavy-light mesons. <i>Physical Review D</i> , 2007 , 75,	4.9	5
24	Two-photon decays of hadronic molecules. <i>Physical Review D</i> , 2007 , 75,	4.9	62
23	On the Lorentz nature of confinement in heavy-light quarkonia. <i>Physics of Atomic Nuclei</i> , 2007 , 70, 1543-1548	1.4	14
22	Insight into scalar mesons from their radiative decays. <i>Physical Review C</i> , 2006 , 73,	2.7	38
21	Goldstone bosons decoupling from high-lying hadrons. <i>Physical Review D</i> , 2006 , 73,	4.9	16

20	Confinement and parity doubling in heavy-light mesons. <i>Physical Review D</i> , 2005 , 72,	4.9	29
19	Chiral symmetry restoration in excited hadrons, quantum fluctuations, and quasiclassics. <i>Physical Review D</i> , 2005 , 72,	4.9	25
18	The radiative decays χ_{B0}/f_0 in the molecular model for the scalar mesons. <i>European Physical Journal A</i> , 2005 , 24, 437-443	2.5	47
17	QCD string in the Schwinger-Dyson approach to heavy-light quarkonia. <i>Physics of Atomic Nuclei</i> , 2005 , 68, 530-535	0.4	
16	Spectrum of heavy-light mesons in the QCD string picture. <i>Physics of Atomic Nuclei</i> , 2005 , 68, 650	0.4	2
15	QCD string and the Lorentz nature of confinement. <i>JETP Letters</i> , 2005 , 82, 557-561	1.2	6
14	Mesonic states and vacuum replicas in potential quark models for QCD. <i>Physical Review D</i> , 2004 , 70,	4.9	22
13	Vacuum replicas in two-dimensional QCD. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 573, 131-137	4.2	4
12	Comment on the proper QCD string dynamics in a heavy-light system. <i>JETP Letters</i> , 2003 , 78, 349-351	1.2	9
11	Field theory description of vacuum replicas. <i>Physical Review D</i> , 2003 , 67,	4.9	10
10	Chiral symmetry breaking solutions for QCD in the truncated Coulomb gauge. <i>Physical Review D</i> , 2003 , 68,	4.9	26
9	Collision damping in the $\chi_{B0}-d^*N$ reaction near the threshold. <i>Physical Review C</i> , 2003 , 67,	2.7	4
8	Orbitally excited D and B mesons in the approach of the QCD string with quarks at the ends. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 530, 117-122	4.2	16
7	QCD string in light-light and heavy-light mesons. <i>Physical Review D</i> , 2001 , 64,	4.9	87
6	Strong decays and Adler selfconsistency condition in two-dimensional QCD. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 487, 371-378	4.2	4
5	Bilinear R-parity violation and small neutrino masses: a self-consistent framework. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 492, 81-90	4.2	51
4	Hamiltonian approach to the bound-state problem in QCD2. <i>Physics of Atomic Nuclei</i> , 2000 , 63, 1623-1628.	4	9
3	1+1 string with quarks at the ends revisited. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 399, 274-280	4.2	3

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| 2 | Potential regime for heavy quarks dynamics and Lorentz nature of confinement. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 414, 149-156 | 4.2 | 14 |
| 1 | String junction as a baryonic constituent. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 367, 265-269 | 4.2 | 4 |