

Victor Novikov

List of Publications by Year in descending order

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88
papers

5,593
citations

147726

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74108

75
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91
all docs

91
docs citations

91
times ranked

2140
citing authors

#	ARTICLE	IF	CITATIONS
1	Forward Proton Scattering in Association with Muon Pair Production via the Photon Fusion Mechanism at the LHC. JETP Letters, 2022, 115, 59-62.	0.4	6
2	LHC as a photon-photon collider: Bounds on $\tilde{\chi}_0^{\pm}\tilde{\chi}_3^{\pm}$. Physical Review D, 2021, 103, .	1.6	4
3	Production of heavy charged particles in proton-proton ultraperipheral collisions at the Large Hadron Collider: survival factor. Journal of High Energy Physics, 2021, 2021, 1.	1.6	9
4	The physics of the $\tilde{t}\tilde{t}^*$ system versus $B_0 \rightarrow J/\psi(\tilde{t}\tilde{t}^*)$ and $B_s \rightarrow J/\psi(\tilde{t}\tilde{t}^*)$ decays. International Journal of Modern Physics A, 2020, 35, 2050111.	0.5	1
5	Quasistable charginos in ultraperipheral proton-proton collisions at the LHC. Journal of High Energy Physics, 2020, 2020, 1.	1.6	12
6	Dimuon Resonance Near 28 GeV and the Muon Anomaly. JETP Letters, 2019, 109, 358-363.	0.4	7
7	On the Branching Ratios of the $B_0 \rightarrow J/\psi(\tilde{t}\tilde{t}^*, \tilde{\tau}\tilde{\tau}^*)$ and $B_s \rightarrow J/\psi(\tilde{t}\tilde{t}^*)$ Decays. JETP Letters, 2019, 110, 635-637.	0.4	1
8	Kinetics of spontaneous baryogenesis in non-stationary background. EPJ Web of Conferences, 2016, 125, 03002.	0.1	0
9	CPT breaking and electric charge non-conservation. Journal of Physics: Conference Series, 2016, 675, 012007.	0.3	0
10	General properties and kinetics of spontaneous baryogenesis. Physical Review D, 2016, 94, .	1.6	23
11	70 years of ITEP: some theoretical results. Physics-Usppekhi, 2016, 59, 787-795.	0.8	0
12	How to see an antistar. JETP Letters, 2014, 98, 519-522.	0.4	7
13	A cosmological bound on $\langle m_{\nu} \rangle$. http://www.w3.org/1998/Math/MathML altimg="si1.gif" overflow="scroll" > $\langle m_{\nu} \rangle$ mass difference. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 732, 244-246.	1.6	12
14	Recovering partial conservation of axial current in diffractive neutrino scattering. JETP Letters, 2013, 97, 568-570.	0.4	0
15	CPT, Lorentz invariance, mass differences, and charge non-conservation. JETP Letters, 2012, 95, 594-597.	0.4	10
16	CPT violation does not lead to violation of Lorentz invariance and vice versa. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 177-180.	1.5	57
17	Once more on extra quark-lepton generations and precision measurements. Physics of Atomic Nuclei, 2010, 73, 636-642.	0.1	32
18	Magnetic multipolar contact fields: The anapole and related moments. American Journal of Physics, 2010, 78, 936-948.	0.3	21

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19	Quadrupolar contact fields: Theory and applications. American Journal of Physics, 2009, 77, 807-817.	0.3	7
20	PHOTON-NEUTRINO INTERACTION OR OPTICAL ACTIVITY OF INTERGALACTIC SPACE. , 2006, , .		0
21	Quadrupolar contact terms and hyperfine structure. Physical Review C, 2006, 74, .	1.1	7
22	Photon-neutrino interactions. JETP Letters, 2005, 81, 249-254.	0.4	9
23	BINARY SYSTEMS OF NEUTRAL MESONS IN QUANTUM FIELD THEORY. International Journal of Modern Physics A, 2005, 20, 5399-5452.	0.5	9
24	Nonperturbative QCD and supersymmetric QCD. Physics-Uspekhi, 2004, 47, 109-116.	0.8	2
25	Progress in classical and quantum variational principles. Reports on Progress in Physics, 2004, 67, 159-208.	8.1	26
26	Z lineshape versus fourth-generation masses. Physics of Atomic Nuclei, 2003, 66, 2169-2177.	0.1	13
27	Extra generations and discrepancies of electroweak precision data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 529, 111-116.	1.5	83
28	On lepton-pair production in neutrino-nucleus collisions. Physics of Atomic Nuclei, 2002, 65, 1634-1642.	0.1	4
29	Mass of the higgs versus fourth generation masses. JETP Letters, 2002, 76, 127-130.	0.4	63
30	On the production of a lepton pair in the collision of ultrarelativistic neutral particle with nonzero magnetic moment with nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 497, 49-54.	1.5	4
31	On the search for 50 GeV neutrinos. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 503, 126-132.	1.5	11
32	Extra quark-lepton generations and precision measurements. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 476, 107-115.	1.5	89
33	Theory of Zboson decays. Reports on Progress in Physics, 1999, 62, 1275-1332.	8.1	27
34	Enhanced electroweak radiative corrections in SUSY and precision data. Physics Reports, 1999, 320, 119-126.	10.3	5
35	From Maupertuis to Schrödinger. Quantization of classical variational principles. American Journal of Physics, 1999, 67, 959-961.	0.3	7
36	Enhanced electroweak radiative corrections in SUSY: Gluon-free observables. JETP Letters, 1998, 67, 761-765.	0.4	4

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37	Sudden to adiabatic transition in \hat{I}^2 decay. Physical Review C, 1998, 58, 3674-3676.	1.1	2
38	Direct use of variational principles as an approximation technique in classical mechanics. American Journal of Physics, 1996, 64, 1177-1184.	0.3	9
39	The Four Variational Principles of Mechanics. Annals of Physics, 1996, 251, 1-25.	1.0	20
40	Higgs potential bounds on extra quark-lepton generations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 374, 127-130.	1.5	8
41	Zeroes of the cross section and search for new physics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 386, 437-441.	1.5	6
42	Electroweak radiative corrections in Z-boson decays. Physics-Usppekhi, 1996, 39, 503-538.	0.8	12
43	Variational estimates for excited states. Physical Review D, 1995, 51, 5069-5078.	1.6	5
44	SUPERSYMMETRY TRANSFORMATIONS OF INSTANTONS. , 1994, , 298-310.		0
45	SUPERSYMMETRIC INSTANTON CALCULUS: Gauge theories with matter. , 1994, , 311-335.		0
46	Supersymmetric instanton calculus (gauge theories with matter fields in an arbitrary group). , 1994, , 374-378.		0
47	ABC of instantons. , 1994, , 468-488.		6
48	On the effective electric charge in the electroweak theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 324, 89-97.	1.5	7
49	On the electroweak and gluonic corrections to the hadronic width of the Z boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 320, 388-394.	1.5	5
50	The values of m_t and α_s derived from the non-observation of electroweak radiative corrections at LEP: global fit. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 331, 433-440.	1.5	6
51	Azimuthal asymmetry in Higgs production via vector boson fusion. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 319, 348-354.	1.5	1
52	On the interpretation of the CHARM II data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 298, 453-455.	1.5	14
53	Higgs and beyond the Standard Model. Zeitschrift für Physik C-Particles and Fields, 1993, 57, 685-690.	1.5	0
54	Do-it-yourself analysis of precision electroweak data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 299, 329-331.	1.5	3

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55	On the electroweak one-loop corrections. Nuclear Physics B, 1993, 397, 35-83.	0.9	53
56	Analysis of an esoteric interpretation of a threshold in beta decay. Physical Review C, 1992, 46, 2090-2092.	1.1	0
57	On heavy Higgs boson production. Zeitschrift für Physik C-Particles and Fields, 1991, 52, 427-436.	1.5	34
58	Non-renormalization theorems for non-perturbative effects in susy gauge theories. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 217, 103-106.	1.5	12
59	The beta function in supersymmetric gauge theories. Instantons versus traditional approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 166, 329-333.	1.5	248
60	Supersymmetric extension of the Adler-Bardeen theorem. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 157, 169-173.	1.5	23
61	Wilson's operator expansion: Can it fail?. Nuclear Physics B, 1985, 249, 445-471.	0.9	139
62	Supersymmetric instanton calculus. Nuclear Physics B, 1985, 260, 157-181.	0.9	151
63	Two-dimensional sigma models: Modelling non-perturbative effects in quantum chromodynamics. Physics Reports, 1984, 116, 103-171.	10.3	187
64	Instantons and the exact Gell-Mann-Low function of the supersymmetric O(3) sigma model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 139, 389-393.	1.5	40
65	Calculations in external fields in quantum chromodynamics. Technical review. Fortschritte Der Physik, 1984, 32, 585-622.	1.5	346
66	Use and misuse of QCD sum rules, factorization and related topics. Nuclear Physics B, 1984, 237, 525-552.	0.9	239
67	Instantons in supersymmetric theories. Nuclear Physics B, 1983, 223, 445-473.	0.9	51
68	Exact Gell-Mann-Low function of supersymmetric Yang-Mills theories from instanton calculus. Nuclear Physics B, 1983, 229, 381-393.	0.9	591
69	Supersymmetry transformations of instantons. Nuclear Physics B, 1983, 229, 394-406.	0.9	102
70	Instanton effects in supersymmetric theories. Nuclear Physics B, 1983, 229, 407-420.	0.9	210
71	ABC of instantons. Uspekhi Fizicheskikh Nauk, 1982, 25, 195-215.	0.3	222
72	Are all hadrons alike?. Nuclear Physics B, 1981, 191, 301-369.	0.9	563

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73	Comment on the J/ψ decay. Zeitschrift für Physik C-Particles and Fields, 1981, 8, 43-47.	1.5	129
74	Operator expansion in quantum chromodynamics beyond perturbation theory. Nuclear Physics B, 1980, 174, 378-396.	0.9	70
75	A theory of the $J/\psi \rightarrow \gamma \psi'$ decays. Nuclear Physics B, 1980, 165, 55-66.	0.9	151
76	In search of scalar gluonium. Nuclear Physics B, 1980, 165, 67-79.	0.9	167
77	η' Meson as a pseudoscalar gluonium. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1979, 86, 347-350.	1.5	102
78	Charmonium and gluons. Physics Reports, 1978, 41, 1-133.	10.3	662
79	Quantum chromodynamics and charm photoproduction. Nuclear Physics B, 1978, 136, 125-156.	0.9	29
80	Charmonium and quantum chromodynamics. Uspekhi Fizicheskikh Nauk, 1977, 20, 796-818.	0.3	8
81	Sum Rules for Charmonium and Charmed Mesons in Quantum Chromodynamics. Physical Review Letters, 1977, 38, 626-629.	2.9	163
82	Sum Rules for Charmonium and Charmed Mesons in Quantum Chromodynamics.. Physical Review Letters, 1977, 38, 791-791.	2.9	62
83	Strong-interaction effects on the $K_L \rightarrow 2\pi$ decay and $K_L - \bar{K}_S$ mass difference. A reply.. Physical Review D, 1977, 16, 223-230.	1.6	36
84	Sum rules for the decays of the c-even charmonium states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1977, 67, 409-413.	1.5	37
85	Widths of narrow mesons made from heavy quarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1977, 71, 115-117.	1.5	15
86	Naive quark model and deep inelastic scattering. Annals of Physics, 1977, 105, 276-287.	1.0	47
87	On dynamical symmetry breakdown. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1975, 53, 467-470.	1.5	2
88	On the effect of strong interactions at small distances on the amplitudes of the second order in weak interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1975, 60, 71-73.	1.5	21