Mikhail I Vysotsky

List of Publications by Year
in descending order

92	1,577	361413	330143
papers	citations	20 h-index	37 g-index

98	98	98	1614
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extending the Higgs sector: an extra singlet. European Physical Journal C, 2016, 76, 1.	3.9	156
2	Cosmological problems for spontaneously broken supergravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 147, 279-283.	4.1	141
3	Form factors of heavy mesons in QCD. Nuclear Physics B, 1981, 186, 475-518.	2.5	101
4	Strong interaction corrections to semiweak decays: Calculation of the V â†' HÎ³ decay rate to order Î±S. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1980, 97, 159-162.	4.1	97
5	Extra quark-lepton generations and precision measurements. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 476, 107-115.	4.1	89
6	Extra generations and discrepancies of electroweak precision data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 529, 111-116.	4.1	83
7	Mass of the higgs versus fourth generation masses. JETP Letters, 2002, 76, 127-130.	1.4	63
8	Neutrino decay in matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 199, 281-285.	4.1	59
9	On the electroweak one-loop corrections. Nuclear Physics B, 1993, 397, 35-83.	2.5	53
10	Bounds on supersymmetric particles from a proton beam-dump experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 121, 429-432.	4.1	50
11	Modification of Coulomb law and energy levels of the hydrogen atom in a superstrong magnetic field. Physical Review D, 2011, 83, .	4.7	38
12	Once more on extra quark-lepton generations and precision measurements. Physics of Atomic Nuclei, 2010, 73, 636-642.	0.4	32
13	More about proton decay due to d=5 operators. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 127, 215-218.	4.1	30
14	Bounds on new light particles from high-energy and very small momentum transfer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>n</mml:mi><mml:mi>p</mml:mi></mml:math>elastic scattering data. Physical Review D, 2008, 78, .	4.7	29
15	Theory ofZboson decays. Reports on Progress in Physics, 1999, 62, 1275-1332.	20.1	27
16	The fluctuation spectrum cut-off in a neutralino dark matter scenario. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 260, 262-268.	2.1	26
17	Stimulated neutrino conversion and bounds on neutrino magnetic moments. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 394, 127-131.	4.1	25
18	Critical nucleus charge in a superstrong magnetic field: Effect of screening. Physical Review D, 2012, 85, .	4.7	22

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19	Resonances in positron scattering on a supercritical nucleus and spontaneous production of $$e^{+}e^{-}$$ e + e - pairs. European Physical Journal C, 2017, 77, 1.	3.9	22
20	The cancellation of infrared and collinear divergences in one-loop corrections to the physical cross section of any QCD process. Nuclear Physics B, 1979, 150, 173-200.	2.5	20
21	DO THE PRESENT ELECTROWEAK PRECISION MEASUREMENTS LEAVE ROOM FOR EXTRA GENERATIONS?. Modern Physics Letters A, 1995, 10, 1915-1922.	1.2	19
22	Atomic levels in superstrong magnetic fields and D = 2 QED of massive electrons: Screening. JETP Letters, 2010, 92, 15-20.	1.4	15
23	Tevatron constraints on the Higgs boson mass in the fourth-generation fermion models revisited. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 313-315.	4.1	15
24	Critical charge in a superstrong magnetic field. Physics-Uspekhi, 2014, 57, 194-198.	2.2	15
25	On the interpretation of the CHARM II data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 298, 453-455.	4.1	14
26	Difference of <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x	4.1	14
27	Double Higgs production at LHC, see-saw type-II and Georgi-Machacek model. Journal of Experimental and Theoretical Physics, 2015, 120, 369-375.	0.9	14
28	Z lineshape versus fourth-generation masses. Physics of Atomic Nuclei, 2003, 66, 2169-2177.	0.4	13
29	DO PRESENT LEP DATA PROVIDE EVIDENCE FOR ELECTROWEAK CORRECTIONS?. Modern Physics Letters A, 1993, 08, 2529-2538.	1.2	12
30	Quasistable charginos in ultraperipheral proton-proton collisions at the LHC. Journal of High Energy Physics, 2020, 2020, 1.	4.7	12
31	On the search for 50 GeV neutrinos. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 503, 126-132.	4.1	11
32	The value of B K from the experimental data on CP violation in K mesons and up-to-date values of CKM matrix parameters. Physics of Atomic Nuclei, 2006, 69, 286-292.	0.4	11
33	New (virtual) physics in the era of the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 644, 352-354.	4.1	11
34	Suppression of H â†' VV decay channels in the Georgiâ€“Machacek model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 505-507.	4.1	10
35	BINARY SYSTEMS OF NEUTRAL MESONS IN QUANTUM FIELD THEORY. International Journal of Modern Physics A, 2005, 20, 5399-5452.	1.5	9
36	To the origin of the difference of FSI phases in and decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 652, 203-212.	4.1	9

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37	Higgs potential bounds on extra quark-lepton generations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 374, 127-130.	4.1	8
38	Mass and decays of Brout-Englert-Higgs scalar with extra generations. Physics of Atomic Nuclei, 2006, 69, 355-359.	0.4	8
39	Mixing angles of quarks and leptons in quantum field theory. European Physical Journal C, 2009, 61, 247-278.	3.9	8
40	Are the ???? c ?,???? c ? decays due to the gluon admixture?. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1981, 10, 131-138.	1.5	7
41	On the effective electric charge in the electroweak theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 324, 89-97.	4.1	7
42	Manifestation of a singlet heavy up-type quark in the branching ratios of rare decays K â†' Ï€Î½ $$ ar u $$, B â†' Ï€Î½ $$ ar u $$, and B â†' KÎ½ $$ ar u $$. JETP Letters, 2008, 87, 517-523.	1.4	7
43	How to see an antistar. JETP Letters, 2014, 98, 519-522.	1.4	7
44	Looking for chiral anomaly inKÎ³â†'KÏ€reactions. Physical Review D, 2016, 93, .	4.7	7
45	Dimuon Resonance Near 28 GeV and the Muon Anomaly. JETP Letters, 2019, 109, 358-363.	1.4	7
46	Proton decay due to d = 5 operators. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 120, 119-123.	4.1	6
47	The massless gluino and the pseudoscalar meson family. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 125, 227-229.	4.1	6
48	The isolines of electroweak radiative corrections and the confidence levels for the masses of the top and Higgs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 308, 123-126.	4.1	6
49	FIRST EVIDENCE FOR ELECTROWEAK RADIATIVE CORRECTIONS FROM THE NEW PRECISION DATA. Modern Physics Letters A, 1994, 09, 2641-2648.	1.2	6
50	The values of mt and 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.	4.1	6
51	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.	4.1	6
52	QUARK LAGRANGIAN DIAGONALIZATION VERSUS NON-DIAGONAL KINETIC TERMS. Modern Physics Letters A, 2009, 24, 273-275.	1.2	6
53	Dependence of the atomic energy levels on a superstrong magnetic field with account of a finite nucleus radius and mass. Physical Review D, 2013, 87, .	4.7	6
54	Gauge theories with extended supersymmetry: Vacuum valleys. Nuclear Physics B, 1985, 254, 619-624.	2.5	5

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55	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.	4.1	5
56	Diminishing â€œcharginos nearly degenerate with the lightest neutralinoâ€•slit using precision data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 463, 230-233.	4.1	5
57	Enhanced electroweak radiative corrections in SUSY and precision data. Physics Reports, 1999, 320, 119-126.	25.6	5
58	New physics at 1 TeV?. JETP Letters, 2016, 103, 557-562.	1.4	5
59	On SUSY guts. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 114, 125-128.	4.1	4
60	THE q2 DEPENDENCE OF W AND Z COUPLING CONSTANTS IN THE INTERVAL $ le left| {q^2 } ight| le m_Z^2 $. Modern Physics Letters A, 1994, 09, 1489-1493.	1.2	4
61	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.	4.1	4
62	On lepton-pair production in neutrino-nucleus collisions. Physics of Atomic Nuclei, 2002, 65, 1634-1642.	0.4	4
63	B â†' Ï€Ï€ decays: Branching ratios and CP asymmetries. Physics of Atomic Nuclei, 2007, 70, 712-721.	0.4	4
64	On the role of the final-state interactions in rare B decays. Physics of Atomic Nuclei, 2009, 72, 2126-2135.	0.4	4
65	CP violation in D-meson decays and the fourth generation. JETP Letters, 2012, 95, 397-398.	1.4	4
66	LHC as a photon-photon collider: Bounds on Î“Xâ†'Î³Î³. Physical Review D, 2021, 103, .	4.7	4
67	Do-it-yourself analysis of precision electroweak data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 299, 329-331.	4.1	3
68	TeV-scale bileptons, see-saw type II and lepton flavor violation inÂcore-collapse supernova. European Physical Journal C, 2010, 67, 213-227.	3.9	3
69	Lectures on the theory of electroweak interactions. Physics of Particles and Nuclei Letters, 2011, 8, 617-650.	0.4	3
70	Charmed penguin versus BAU. JETP Letters, 2012, 96, 290-297.	1.4	3
71	Remark on the K â†' Ï€ee decay. Lettere Al Nuovo Cimento Rivista Internazionale Della SocietÃ Italiana Di Fisica, 1979, 26, 297-300.	0.4	2
72	Î¼Î½. Modern Physics Letters A, 2003, 18, 877-884.	1.2	2

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73	ON THE NUMERICAL CLOSENESS OF THE EFFECTIVE PHENOMENOLOGICAL ELECTROWEAK MIXING ANGLE Î¸ AND THE $overline{m{MS}}$ PARAMETER ${hatheta}$. Modern Physics Letters A, 1998, 13, 3099-3107.	1.2	1
74	Hunting for the alpha: B â†' Ïŀ B â†' ÏЀЀ, B â†' ÏЀЇ JETP Letters, 2005, 81, 361-364.	1.4	1
75	Critical nucleus charge in a superstrong magnetic field. EPJ Web of Conferences, 2018, 182, 02047.	0.3	1
76	The physics of the Î·â€"Î·â€² system versus B0 â†' J/ÎºÎ·(Î·â€²) and Bs â†' J/ÎºÎ·(Î·â€²) decays. International Journal of Modern Physics A, 2020, 35, 2050111.	1.5	1
77	In memory of Konstantin Gennad'evich Selivanov. Physics-Uspekhi, 2004, 47, 635-635.	2.2	0
78	$$B_d (ar B_d)$$ â†' Ï•Â± ЇЀ â^",Ï•+ Ï•â^',ЇЀ + ЇЀ â^': Hunting for alpha. Physics of Atomic Nuclei, 2006, 69, 679-685.	0.4	0
79	Lev Borisovich Okun (on his 80th birthday). Physics-Uspekhi, 2009, 52, 757-758.	2.2	0
80	Modification of the coulomb law and energy levels of hydrogen atom in superstrong magnetic field. Physics of Particles and Nuclei Letters, 2012, 9, 686-690.	0.4	0
81	Î¼ â†' eÎ³ decay versus the Î¼ â†' eee bound and lepton flavor violating processes in supernova. Journal of Experimental and Theoretical Physics, 2012, 114, 382-391.	0.9	0
82	The Coulomb problem in superstrong B: Atomic levels and critical nuclei charges. Physics of Particles and Nuclei, 2013, 44, 510-514.	0.7	0
83	CP violation in D-meson decays. EPJ Web of Conferences, 2014, 70, 00063.	0.3	0
84	The Coulomb law and atomic levels in a superstrongB. EPJ Web of Conferences, 2014, 70, 00013.	0.3	0
85	In memory of Lev Borisovich Okun. Physics-Uspekhi, 2015, 58, 1225-1227.	2.2	0
86	Double Higgs boson production in the models with isotriplets. Physics of Atomic Nuclei, 2015, 78, 1493-1496.	0.4	0
87	70 years of ITEP: some theoretical results. Physics-Uspekhi, 2016, 59, 787-795.	2.2	0
88	Looking for chiral anomaly in pion photoproduction on kaons. Physics of Particles and Nuclei, 2017, 48, 956-959.	0.7	0
89	In memory of Lev Nikolaevich Lipatov. Physics-Uspekhi, 2017, 60, 1306-1307.	2.2	0
90	Resonances in positron scattering on a supercritical nucleus and spontaneous production of e+e- pairs. EPJ Web of Conferences, 2018, 191, 02018.	0.3	0

#	Article	IF	Citations
91	BOUNDS ON NEW LIGHT PARTICLES FROM HIGH ENERGY AND VERY SMALL MOMENTUM TRANSFER np ELASTIC SCATTERING DATA. , 2010, , .		0
92	Mikhail Vladimirovich Danilov (on his 70th birthday). Physics-Uspekhi, 2016, 59, 1268-1270.	2.2	0