

Roman B Nevzorov

List of Publications by Year in descending order

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73
papers

1,891
citations

257450

24
h-index

265206

42
g-index

74
all docs

74
docs citations

74
times ranked

1594
citing authors

#	ARTICLE	IF	CITATIONS
1	NMSSM Higgs benchmarks near 125 GeV. Nuclear Physics B, 2012, 860, 207-244.	2.5	197
2	The Higgs sector of the next-to-minimal supersymmetric standard model. Nuclear Physics B, 2004, 681, 3-30.	2.5	190
3	Theory and phenomenology of an exceptional supersymmetric standard model. Physical Review D, 2006, 73, .	4.7	167
4	Natural NMSSM Higgs bosons. Nuclear Physics B, 2013, 870, 323-352.	2.5	125
5	Exceptional supersymmetric standard model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 634, 278-284.	4.1	119
6	Constrained exceptional supersymmetric standard model. Physical Review D, 2009, 80, .	4.7	69
7	Gauge coupling unification in the exceptional supersymmetric Standard Model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 650, 57-64.	4.1	61
8	Predictions of the constrained exceptional supersymmetric standard model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 681, 448-456.	4.1	58
9	Discovery prospects for NMSSM Higgs bosons at the high-energy Large Hadron Collider. Physical Review D, 2014, 90, .	4.7	50
10	Constrained exceptional supersymmetric standard model with a Higgs signal near 125 GeV. Physical Review D, 2012, 86, .	4.7	43
11	Leptogenesis in the exceptional supersymmetric standard model: flavour dependent lepton asymmetries. Journal of High Energy Physics, 2008, 2008, 042-042.	4.7	40
12	LHC signatures of the constrained exceptional supersymmetric standard model. Physical Review D, 2011, 84, .	4.7	39
13	Novel Higgs decays and dark matter in the exceptional supersymmetric standard model. Physical Review D, 2011, 83, .	4.7	39
14	E 6 inspired SUSY benchmarks, dark matter relic density and a 125 GeV Higgs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 19-25.	4.1	36
15	750 GeV diphoton resonance from singlets in an exceptional supersymmetric standard model. Journal of High Energy Physics, 2016, 2016, 1.	4.7	36
16	E6SSM. AIP Conference Proceedings, 2007, , .	0.4	33
17	E6inspired supersymmetric models with exact custodial symmetry. Physical Review D, 2013, 87, .	4.7	32
18	Exotic Higgs decays in the E6 inspired SUSY models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 210-215.	4.1	32

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19	Aspects of the Exceptional Supersymmetric Standard Model. Nuclear Physics, Section B, Proceedings Supplements, 2010, 200-202, 120-129.	0.4	30
20	Non-standard higgs decays in U(1) extensions of the MSSM. Journal of High Energy Physics, 2015, 2015, 1.	4.7	29
21	Exploring the CP-violating NMSSM: EDM constraints and phenomenology. Nuclear Physics B, 2015, 901, 526-555.	2.5	28
22	Theoretical upper bound on the mass of the LSP in the MNSSM. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 662, 199-207.	4.1	26
23	Dark matter in a constrained E 6 inspired SUSY model. Journal of High Energy Physics, 2016, 2016, 1.	4.7	26
24	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
25	Infrared quasifixed solutions in a nonminimal supersymmetric standard model. Physics of Atomic Nuclei, 2001, 64, 1299-1314.	0.4	24
26	Quasifixed point scenarios and the Higgs mass in the E6 inspired supersymmetric models. Physical Review D, 2014, 89, .	4.7	23
27	Particle spectrum in the modified nonminimal supersymmetric standard model in the strong Yukawa coupling regime. Journal of Experimental and Theoretical Physics, 2000, 91, 1079-1097.	0.9	22
28	Cosmological constant in SUGRA models and the multiple-point principle. Physics of Atomic Nuclei, 2004, 67, 582-589.	0.4	21
29	Higgs bosons in the simplest SUSY models. Physics of Atomic Nuclei, 2002, 65, 285-298.	0.4	19
30	Selected problems of supersymmetry phenomenology. Physics-Usppekhi, 2001, 44, 919-930.	2.2	18
31	Quasifixed-point scenario in a modified nonminimal supersymmetric standard model. Physics of Atomic Nuclei, 2002, 65, 335-344.	0.4	18
32	Implementation of the multiple point principle in the two-Higgs doublet model of type II. Physical Review D, 2006, 73, .	4.7	18
33	On the smallness of the cosmological constant in SUGRA models. Nuclear Physics B, 2006, 743, 133-152.	2.5	17
34	$E_{6\text{ inspired composite Higgs model}}$ Physical Review D, 2015, 92, .	4.7	14
35	A Review of the Exceptional Supersymmetric Standard Model. Symmetry, 2020, 12, 557.	2.2	14
36	Nonstandard Higgs decays in the E6 inspired SUSY models. Nuclear and Particle Physics Proceedings, 2016, 273-275, 690-695.	0.5	12

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37	Leptogenesis as an origin of hot dark matter and baryon asymmetry in the E6 inspired SUSY models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 223-229.	4.1	11
38	Fixed point scenario in the two Higgs doublet model inspired by degenerate vacua. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 657, 95-102.	4.1	10
39	Renormalization of parameters of a soft breakdown of supersymmetry in the regime of strong yukawa coupling within a nonminimal supersymmetric standard model. Physics of Atomic Nuclei, 2001, 64, 1513-1530.	0.4	9
40	ON THE ORIGIN OF APPROXIMATE CUSTODIAL SYMMETRY IN THE TWO-HIGGS DOUBLET MODEL. International Journal of Modern Physics A, 2009, 24, 5587-5637.	1.5	9
41	Cosmological constant in SUGRA models with Planck scale SUSY breaking and degenerate vacua. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 737, 167-171.	4.1	9
42	E6 inspired SUSY models with custodial symmetry. International Journal of Modern Physics A, 2018, 33, 1844007.	1.5	9
43	Smallness of the cosmological constant and the multiple point principle. Journal of Physics: Conference Series, 2008, 110, 072012.	0.4	7
44	Baryon asymmetry generation in the E 6 CHM. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 123-129.	4.1	7
45	DARK ENERGY DENSITY IN MODELS WITH SPLIT SUPERSYMMETRY AND DEGENERATE VACUA. International Journal of Modern Physics A, 2012, 27, 1250063.	1.5	6
46	Dark matter and nonstandard Higgs decays in the exceptional supersymmetric standard model. AIP Conference Proceedings, 2013, , .	0.4	6
47	LHC signatures of neutral pseudo-Goldstone boson in the E 6CHM. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 075003.	3.6	6
48	SPECTRUM OF HIGGS PARTICLES IN THE EXCEPTIONAL SUPERSYMMETRIC STANDARD MODEL. , 2006, , .		5
49	Higgs Boson with Mass around 125 GeV in SUSY Extensions of the SM. Physics of Atomic Nuclei, 2020, 83, 338-350.	0.4	5
50	Electroweak symmetry breaking in the E6SSM. Journal of Physics: Conference Series, 2008, 110, 072001.	0.4	4
51	Unification of Gauge Couplings in the E[sub 6]SSM. , 2010, , .		4
52	E6inspired composite Higgs model and 750 GeV diphoton excess. EPJ Web of Conferences, 2016, 125, 02021.	0.3	4
53	Enhanced Higgs boson production and avoidance of CP-violation and FCNC in the MPP inspired 2HDM. Journal of Physics: Conference Series, 2008, 110, 062010.	0.4	3
54	On the Smallness of the Cosmological Constant in SUGRA Models Inspired by Degenerate Vacua. , 2010, , .		3

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55	On the smallness of the cosmological constant. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1465-1470.	0.5	3
56	EXOTIC HIGGS DECAYS IN U(1) EXTENSIONS OF THE MSSM. , 2017, , 487-490.		3
57	E6 Inspired Composite Higgs Model and Baryon Asymmetry Generation. Physics of Particles and Nuclei, 2020, 51, 709-713.	0.7	3
58	E6 GUT and Baryon Asymmetry Generation in the E6CHM. Universe, 2022, 8, 33.	2.5	3
59	On the smallness of the dark energy density in split SUSY models inspired by degenerate vacua. , 2013, , .		2
60	Dark energy density in SUGRA models and degenerate vacua. International Journal of Modern Physics A, 2017, 32, 1730013.	1.5	2
61	Generation of baryon asymmetry in the E6CHM. EPI Web of Conferences, 2018, 191, 02004.	0.3	2
62	Leptogenesis in the E ₆ SSM: Flavour Dependent Lepton Asymmetries. , 2008, , .		1
63	Phenomenological Consequences of the Constrained Exceptional Supersymmetric Standard Model. , 2010, , .		1
64	Predicting the SUSY breaking scale in SUGRA models with degenerate vacua. International Journal of Modern Physics A, 2020, 35, 2050007.	1.5	1
65	Dark Energy density in Split SUSY models inspired by degenerate vacua. , 2011, , .		1
66	LHC signatures and cosmological implications of the E6 inspired SUSY models. , 2016, , .		1
67	Stimulated neutrino conversion and bounds on neutrino magnetic moments. Surveys in High Energy Physics, 1998, 13, 241-248.	0.6	0
68	Leptogenesis in the E6SSM. Journal of Physics: Conference Series, 2008, 110, 082009.	0.4	0
69	MEMORIES OF KAREN AVETOVICH. , 2013, , 212-218.		0
70	Cosmological Constant in SUGRA Models with Degenerate Vacua. Universe, 2019, 5, 214.	2.5	0
71	Theoretical aspects of electroweak symmetry breaking in SUSY models. , 2011, , .		0
72	Nonstandard Higgs decays in the E6SSM. , 2011, , .		0

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73	On the smallness of the cosmological constant in SUGRA models with Planck scale SUSY breaking and degenerate vacua. , 2016, , .		0