

Mikhail E Shaposhnikov

List of Publications by Year in descending order

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213
papers

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10986

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docs citations

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times ranked

7923
citing authors

#	ARTICLE	IF	CITATIONS
1	On anomalous electroweak baryon-number non-conservation in the early universe. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 155, 36-42.	4.1	2,387
2	The Standard Model Higgs boson as the inflaton. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 659, 703-706.	4.1	1,528
3	Do we live inside a domain wall?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 125, 136-138.	4.1	1,096
4	The $\hat{1}\frac{1}{2}$ MSM, dark matter and baryon asymmetry of the universe. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 620, 17-26.	4.1	727
5	The $\hat{1}\frac{1}{2}$ MSM, dark matter and neutrino masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 631, 151-156.	4.1	662
6	Is There a Hot Electroweak Phase Transition at $m_H \approx 3m_W$?. Physical Review Letters, 1996, 77, 2887-2890.	7.8	558
7	Extra space-time dimensions: Towards a solution to the cosmological constant problem. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 125, 139-143.	4.1	519
8	Supersymmetric Q-balls as dark matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 418, 46-54.	4.1	513
9	Baryon asymmetry of the universe in standard electroweak theory. Nuclear Physics B, 1987, 287, 757-775.	2.5	506
10	A facility to search for hidden particles at the CERN SPS: the SHiP physics case. Reports on Progress in Physics, 2016, 79, 124201.	20.1	496
11	The Role of Sterile Neutrinos in Cosmology and Astrophysics. Annual Review of Nuclear and Particle Science, 2009, 59, 191-214.	10.2	484
12	Higgs boson mass and new physics. Journal of High Energy Physics, 2012, 2012, 1.	4.7	424
13	The statistical theory of anomalous fermion number non-conservation. Nuclear Physics B, 1988, 308, 885-912.	2.5	422
14	Higgs inflation: consistency and generalisations. Journal of High Energy Physics, 2011, 2011, 1.	4.7	406
15	Primordial Magnetic Fields, Right Electrons, and the Abelian Anomaly. Physical Review Letters, 1997, 79, 1193-1196.	7.8	368
16	The $\hat{1}\frac{1}{2}$ MSM, inflation, and dark matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 639, 414-417.	4.1	306
17	Standard model Higgs boson mass from inflation: two loop analysis. Journal of High Energy Physics, 2009, 2009, 089-089.	4.7	295
18	On initial conditions for the hot big bang. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 029-029.	5.4	288

#	ARTICLE	IF	CITATIONS
19	Standard Model Higgs boson mass from inflation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 675, 88-92.	4.1	288
20	Asymptotic safety of gravity and the Higgs boson mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 683, 196-200.	4.1	287
21	Localizing Gravity on a Stringlike Defect in Six Dimensions. Physical Review Letters, 2000, 85, 240-243.	7.8	260
22	Structure of the high temperature gauge ground state and electroweak production of the baryon asymmetry. Nuclear Physics B, 1988, 299, 797-817.	2.5	244
23	How to find neutral leptons of the $\hat{1}\frac{1}{2}$ MSM?. Journal of High Energy Physics, 2007, 2007, 015-015.	4.7	241
24	Dark matter, baryogenesis and neutrino oscillations from right-handed neutrinos. Physical Review D, 2013, 87, .	4.7	234
25	Matter and antimatter in the universe. New Journal of Physics, 2012, 14, 095012.	2.9	231
26	3D physics and the electroweak phase transition: Perturbation theory. Nuclear Physics B, 1994, 425, 67-109.	2.5	222
27	Quantum scale invariance, cosmological constant and hierarchy problem. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 671, 162-166.	4.1	208
28	Lightest sterile neutrino abundance within the $\hat{1}\frac{1}{2}$ MSM. Journal of High Energy Physics, 2007, 2007, 091-091.	4.7	203
29	A possible symmetry of the. Nuclear Physics B, 2007, 763, 49-59.	2.5	200
30	Baryon asymmetry of the Universe in the minimal standard model. Physical Review Letters, 1993, 70, 2833-2836.	7.8	188
31	Scale invariance, unimodular gravity and dark energy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 671, 187-192.	4.1	187
32	The spectrum of hot hadronic matter and finite-temperature QCD sum rules. Nuclear Physics B, 1986, 268, 220-252.	2.5	186
33	The $\hat{1}\frac{1}{2}$ MSM, leptonic asymmetries, and properties of singlet fermions. Journal of High Energy Physics, 2008, 2008, 008-008.	4.7	175
34	Baryon asymmetry of the Universe in the standard model. Physical Review D, 1994, 50, 774-818.	4.7	174
35	Opening a new window for warm dark matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 638, 401-406.	4.1	173
36	Sterile neutrino dark matter as a consequence of $\hat{1}\frac{1}{2}$ MSM-induced lepton asymmetry. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 031.	5.4	171

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37	Higgs-dilaton cosmology: From the early to the late Universe. <i>Physical Review D</i> , 2011, 84, .	4.7	168
38	Sterile Neutrinos as the Origin of Dark and Baryonic Matter. <i>Physical Review Letters</i> , 2013, 110, 061801.	7.8	168
39	Constraints on sterile neutrinos as dark matter candidates from the diffuse X-ray background. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 370, 213-218.	4.4	166
40	Higgs inflation at the critical point. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 734, 249-254.	4.1	166
41	Sphaleron transitions and baryon asymmetry: A numerical, real-time analysis. <i>Nuclear Physics B</i> , 1991, 353, 346-378.	2.5	160
42	A lattice Monte Carlo study of the hot electroweak phase transition. <i>Nuclear Physics B</i> , 1993, 407, 356-372.	2.5	157
43	Strategy for Searching for a Dark Matter Sterile Neutrino. <i>Physical Review Letters</i> , 2006, 97, 261302.	7.8	157
44	Nonequilibrium electroweak baryogenesis at preheating after inflation. <i>Physical Review D</i> , 1999, 60, .	4.7	144
45	Experimental Signatures of Supersymmetric Dark-Matter Q-Balls. <i>Physical Review Letters</i> , 1998, 80, 3185-3188.	7.8	142
46	Electroweak baryogenesis and the Higgs boson mass problem. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 244, 275-278.	4.1	141
47	Sphalerons and axion dynamics in high-temperature QCD. <i>Physical Review D</i> , 1991, 43, 2027-2035.	4.7	130
48	New physics in a nutshell, or Q-ball as a power plant. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 417, 99-106.	4.1	128
49	Living beyond the edge: Higgs inflation and vacuum metastability. <i>Physical Review D</i> , 2015, 92, .	4.7	126
50	Fermion zero-modes on brane-worlds. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 492, 361-364.	4.1	125
51	Primordial Magnetic Fields, Anomalous Matter-Antimatter Fluctuations, and Big Bang Nucleosynthesis. <i>Physical Review Letters</i> , 1998, 80, 22-25.	7.8	123
52	Anomalous electroweak baryon number non-conservation and GUT mechanism for baryogenesis. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987, 191, 171-173.	4.1	118
53	Living inside a hedgehog: higher-dimensional solutions that localize gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 491, 353-361.	4.1	113
54	Nonperturbative Debye Mass in Finite Temperature QCD. <i>Physical Review Letters</i> , 1997, 79, 3130-3133.	7.8	107

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55	3D physics and the electroweak phase transition: A framework for lattice Monte Carlo analysis. Nuclear Physics B, 1995, 442, 317-363.	2.5	105
56	On the hadronic contribution to sterile neutrino production. Journal of High Energy Physics, 2006, 2006, 053-053.	4.7	103
57	Why the baryon asymmetry of the universe is $\hat{\sim} 10^{10}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 256, 477-483.	4.1	96
58	Lattice simulations of electroweak sphaleron transitions in real time. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 244, 479-487.	4.1	92
59	Restrictions on parameters of sterile neutrino dark matter from observations of galaxy clusters. Physical Review D, 2006, 74, .	4.7	91
60	Higgs-dilaton cosmology: An effective field theory approach. Physical Review D, 2013, 87, .	4.7	90
61	Search for Heavy Right Handed Neutrinos at the FCC-ee. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1883-1890.	0.5	89
62	Standard model solution of the baryogenesis problem. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 277, 324-330.	4.1	86
63	Warped compactification on Abelian vortex in six dimensions. Nuclear Physics B, 2001, 619, 615-645.	2.5	86
64	Why should we care about the top quark Yukawa coupling?. Journal of Experimental and Theoretical Physics, 2015, 120, 335-343.	0.9	85
65	On the possibility of an experimental search for oscillations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1981, 99, 358-360.	4.1	84
66	Model dependence of the cosmological upper bound on the Higgs-boson mass. Physical Review D, 1991, 43, 369-374.	4.7	81
67	Primordial magnetic fields from inflation?. Physical Review D, 2000, 62, .	4.7	80
68	Strong sphalerons and electroweak baryogenesis. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 326, 118-124.	4.1	78
69	Masses of active neutrinos in the $\hat{1}/2$ MSM from x-ray astronomy. JETP Letters, 2006, 83, 133-135.	1.4	75
70	Sphaleron transitions at finite temperatures. numerical study in (1+1) dimensions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 216, 172-176.	4.1	71
71	Baryon Asymmetry of the Universe in the Minimal Standard Model. Physical Review Letters, 1993, 71, 210-210.	7.8	71
72	Baryon and lepton number violation rates across the electroweak crossover. Journal of Cosmology and Astroparticle Physics, 2006, 2006, 007-007.	5.4	70

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73	Scale-invariant alternatives to general relativity. Physical Review D, 2011, 84, .	4.7	70
74	Topological transitions at finite temperatures: A real time numerical approach. Nuclear Physics B, 1989, 326, 737-757.	2.5	68
75	The electroweak phase transition at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 336, 494-501.	4.1	68
76	Geroprotectors: A Unified Concept and Screening Approaches. , 2017, 8, 354.		67
77	Baryon asymmetry of the Universe in the $\hat{1}\frac{1}{2}$ MSM. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 001-001.	5.4	66
78	Baryon asymmetry of the universe versus left-right symmetry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1980, 92, 115-118.	4.1	59
79	Long-Range Magnetic Fields in the Ground State of the Standard Model Plasma. Physical Review Letters, 2012, 109, 111602.	7.8	59
80	Erratum and Addendum to: How to find neutral leptons of the $\hat{1}\frac{1}{2}$ MSM?. Journal of High Energy Physics, 2013, 2013, 1.	4.7	56
81	Melting of the Higgs vacuum: conserved numbers at high temperature. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 387, 817-822.	4.1	53
82	Terpenoids as Potential Geroprotectors. Antioxidants, 2020, 9, 529.	5.1	52
83	Is the electric charge conserved?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1979, 84, 315-318.	4.1	51
84	Geroprotective and Radioprotective Activity of Quercetin, (-)-Epicatechin, and Ibuprofen in Drosophila melanogaster. Frontiers in Pharmacology, 2016, 7, 505.	3.5	51
85	Baryon asymmetry generation in the electroweak theory: A lattice study. Nuclear Physics B, 1989, 316, 483-508.	2.5	49
86	Sphalerons and baryogenesis: Electroweak CP violation at high temperatures. Nuclear Physics B, 1990, 329, 493-518.	2.5	49
87	Baryon asymmetry of the universe. A Monte Carlo study on the lattice. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 197, 49-54.	4.1	48
88	On non-perturbative effects at the high-temperature electroweak phase transition. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 316, 112-120.	4.1	47
89	Star wreck. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 423, 104-108.	4.1	47
90	Quantum effects in Palatini Higgs inflation. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 064-064.	5.4	47

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91	Searching for dark matter sterile neutrinos in the laboratory. <i>Physical Review D</i> , 2007, 75, .	4.7	45
92	Effect of Low Doses (5-40 cGy) of Gamma-irradiation on Lifespan and Stress-related Genes Expression Profile in <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2015, 10, e0133840.	2.5	45
93	Baryon asymmetry of the universe in grand unified theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1979, 87, 114-116.	4.1	44
94	Late and early time phenomenology of Higgs-dependent cutoff. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 001-001.	5.4	44
95	Spontaneously broken conformal symmetry: dealing with the trace anomaly. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	44
96	Localizing gravity on a \hat{M}^4 Hoft \hat{M}^4 Polyakov monopole in seven dimensions. <i>Physical Review D</i> , 2002, 66, .	4.7	43
97	On some new warped brane world solutions in higher dimensions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 491, 329-332.	4.1	42
98	Supersymmetric dark-matter Q-balls and their interactions in matter. <i>Physical Review D</i> , 2005, 72, .	4.7	42
99	A formalism to analyze the spectrum of brane world scenarios. <i>Nuclear Physics B</i> , 2002, 645, 188-216.	2.5	41
100	Higgs \hat{M}^4 Dilaton cosmology: Are there extra relativistic species?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 718, 507-511.	4.1	41
101	Fermion number violating effects in low scale leptogenesis. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 771, 288-296.	4.1	38
102	Higgs-Dilaton cosmology: Universality versus criticality. <i>Physical Review D</i> , 2014, 90, .	4.7	37
103	Reconciling resonant leptogenesis and baryogenesis via neutrino oscillations. <i>Physical Review D</i> , 2021, 104, .	4.7	35
104	Matter-antimatter domains in the universe: A solution of the vacuum walls problem. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1981, 105, 167-170.	4.1	34
105	Spontaneous symmetry breaking versus spontaneous parity violation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 254, 148-152.	4.1	31
106	Extra dimensions as an alternative to Higgs mechanism?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 515, 442-446.	4.1	31
107	Strong CP violation, electroweak baryogenesis, and axionic dark matter. <i>Physical Review D</i> , 1992, 45, 466-475.	4.7	30
108	Gravity, scale invariance and the hierarchy problem. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	30

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109	Parameter space of baryogenesis in the $\hat{1}/2$ MSM. Journal of High Energy Physics, 2019, 2019, 1.	4.7	30
110	Uniting Low-Scale Leptogenesis Mechanisms. Physical Review Letters, 2021, 127, 111802.	7.8	30
111	Astrophysical bounds on supersymmetric dark-matter Q-balls. Journal of Cosmology and Astroparticle Physics, 2005, 2005, 011-011.	5.4	29
112	Search for GeV-Scale Sterile Neutrinos Responsible for Active Neutrino Oscillations and Baryon Asymmetry of the Universe. Advances in High Energy Physics, 2012, 2012, 1-17.	1.1	29
113	Einstein-Cartan Portal to Dark Matter. Physical Review Letters, 2021, 126, 161301.	7.8	29
114	QED from six-dimensional vortex and gauge anomalies. Journal of High Energy Physics, 2003, 2003, 016-016.	4.7	28
115	Scale-invariant alternatives to general relativity. II. Dilaton properties. Physical Review D, 2016, 93, .	4.7	28
116	Cosmological lower bound on the EDM of the electron. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 276, 131-134.	4.1	27
117	The first order quark-hadron phase transition in QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 145, 276-280.	4.1	25
118	Lattice implementation of Abelian gauge theories with Chern-Simons number and an axion field. Nuclear Physics B, 2018, 926, 544-569.	2.5	24
119	Conformal symmetry: Towards the link between the Fermi and the Planck scales. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 783, 253-262.	4.1	24
120	Einstein-Cartan gravity, matter, and scale-invariant generalization. Journal of High Energy Physics, 2020, 2020, 1.	4.7	24
121	Higgs inflation in Einstein-Cartan gravity. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 008-008.	5.4	23
122	Quantum scale invariance on the lattice. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 675, 403-406.	4.1	20
123	The active muon shield in the SHiP experiment. Journal of Instrumentation, 2017, 12, P05011-P05011.	1.2	20
124	Genome-Protecting Compounds as Potential Geroprotectors. International Journal of Molecular Sciences, 2020, 21, 4484.	4.1	20
125	Sufficient conditions for the existence of Q balls in gauge theories. JETP Letters, 1998, 67, 247-250.	1.4	19
126	Localisation and mass generation for non-Abelian gauge fields. Journal of High Energy Physics, 2003, 2003, 068-068.	4.7	19

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127	Baryon Asymmetry of the Universe and Neutrinos. Progress of Theoretical Physics, 2009, 122, 185-203.	2.0	19
128	EDGE: Explorer of diffuse emission and gamma-ray burst explosions. Experimental Astronomy, 2009, 23, 67-89.	3.7	19
129	Baryogenesis. Journal of Physics: Conference Series, 2009, 171, 012005.	0.4	19
130	The effects of pectins on life span and stress resistance in Drosophila melanogaster. Biogerontology, 2014, 15, 113-127.	3.9	19
131	Chiral charge dynamics in Abelian gauge theories at finite temperature. Journal of High Energy Physics, 2019, 2019, 1.	4.7	19
132	Standard model meets gravity: Electroweak symmetry breaking and inflation. Physical Review D, 2021, 103, .	4.7	19
133	Matter matters in Einstein-Cartan gravity. Physical Review D, 2021, 104, .	4.7	19
134	Baryon generation and unusual symmetry behaviour at high temperatures. Nuclear Physics B, 1982, 196, 29-43.	2.5	18
135	Resonant production of the sterile neutrino dark matter and fine-tunings in the neutrino minimal standard model. Physical Review D, 2010, 82, .	4.7	18
136	Baryon asymmetry of the Universe without Boltzmann or Kadanoff-Baym equations. Physical Review D, 2011, 83, .	4.7	18
137	Gauge coupling unification without leptiquarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 332-338.	4.1	18
138	Extra space-time dimensions: Towards a solution to the strong CP-problem. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 203, 121-124.	4.1	17
139	On the decoupling of heavy modes in Kaluza-Klein theories. Nuclear Physics B, 2006, 741, 236-268.	2.5	17
140	Electroweak baryogenesis. A numerical study in 1 + 1 dimensions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 275, 395-402.	4.1	16
141	Anomalous non-conservation of fermion/chiral number in Abelian gauge theories at finite temperature. Journal of High Energy Physics, 2018, 2018, 1.	4.7	16
142	Asymptotic scale invariance and its consequences. Physical Review D, 2019, 99, .	4.7	16
143	Electroweak bags. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 180, 93-94.	4.1	15
144	Late Reheating, Hadronic Jets, and Baryogenesis. Physical Review Letters, 2004, 92, 101303.	7.8	15

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145	One-loop fermionic corrections to the instanton transition in the two dimensional chiral Higgs model. <i>Physical Review D</i> , 2005, 72, .	4.7	15
146	Inflation, LHC and the Higgs boson. <i>Comptes Rendus Physique</i> , 2015, 16, 994-1002.	0.9	15
147	Scale and Weyl invariance in Einstein-Cartan gravity. <i>Physical Review D</i> , 2021, 104, .	4.7	15
148	Phase picture of the SU(5) grand unified model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1981, 102, 397-400.	4.1	14
149	CP-violation and electroweak baryogenesis. <i>Physica Scripta</i> , 1991, T36, 183-193.	2.5	14
150	The fate of the zero mode of the five-dimensional kink in the presence of gravity. <i>Journal of High Energy Physics</i> , 2005, 2005, 062-062.	4.7	14
151	Hidden and explicit quantum scale invariance. <i>Physical Review D</i> , 2019, 99, .	4.7	14
152	Gauge hierarchies and unusual symmetry behaviour at high temperatures. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1981, 105, 159-162.	4.1	13
153	The role of DNA repair genes in radiation-induced adaptive response in <i>Drosophila melanogaster</i> is differential and conditional. <i>Biogerontology</i> , 2020, 21, 45-56.	3.9	13
154	Field redefinitions, perturbative unitarity and Higgs inflation. <i>Journal of High Energy Physics</i> , 2022, 2022, .	4.7	13
155	Phase portrait of SU(5) grand unified model. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1982, 12, 83-93.	1.5	12
156	Coloured scalars and new hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1982, 117, 252-256.	4.1	12
157	Circadian clock genes TM overexpression in <i>Drosophila</i> alters diet impact on lifespan. <i>Biogerontology</i> , 2019, 20, 159-170.	3.9	12
158	Spontaneous conformal symmetry breaking in fishnet CFT. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 811, 135922.	4.1	12
159	Photon condensation in the big bang cosmology and longitudinal background radiation of the universe. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1979, 69, 462-464.	2.1	11
160	Quasilocalized gravity without asymptotic flatness. <i>Physical Review D</i> , 2004, 70, .	4.7	11
161	Observational manifestations of anomaly inflow. <i>Physical Review D</i> , 2005, 72, .	4.7	11
162	The Higgs boson and cosmology. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140038.	3.4	11

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163	Polarization of photons emitted by decaying dark matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 127-131.	4.1	11
164	Chiral asymmetry from a 5D Higgs mechanism. Journal of High Energy Physics, 2007, 2007, 037-037.	4.7	10
165	A new framework for numerical simulations of structure formation. Monthly Notices of the Royal Astronomical Society, 2014, 442, 3073-3095.	4.4	10
166	CFT data and spontaneously broken conformal invariance. Physical Review D, 2018, 97, .	4.7	10
167	Anomalies as a signature of extra dimensions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 626, 184-194.	4.1	9
168	The $\hat{1}/2$ MSM and muon to electron conversion experiments. Hyperfine Interactions, 2013, 214, 5-11.	0.5	9
169	Ageing Chart: a community resource for rapid exploratory pathway analysis of age-related processes. Nucleic Acids Research, 2016, 44, D894-D899.	14.5	9
170	Electroweak baryogenesis. Contemporary Physics, 1998, 39, 177-194.	1.8	8
171	High-energy anomalous B-non-conservation - phantom or reality?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 242, 493-497.	4.1	7
172	Can an odd number of fermions be created due to the chiral anomaly?. Physical Review D, 2006, 73, .	4.7	7
173	Sterile neutrinos in cosmology and how to find them in the lab. Journal of Physics: Conference Series, 2008, 136, 022045.	0.4	7
174	Cosmological constraints on masses and couplings of leptoquarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1981, 105, 163-166.	4.1	6
175	A stable proton, oscillations and baryon number non-conservation at energies of about hundred GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 125, 449-451.	4.1	6
176	Symmetry properties and dynamics in gauge theories with scalar fields. Theoretical and Mathematical Physics(Russian Federation), 1984, 59, 529-544.	0.9	6
177	Determination of the constant g_{eff} from QCD sum rules. Zeitschrift für Physik C-Particles and Fields, 1988, 38, 467-471.	1.5	6
178	The $\hat{1}/2$ MSM, dark matter and neutrino masses. Journal of Physics: Conference Series, 2006, 39, 176-178.	0.4	6
179	ORIGIN: metal creation and evolution from the cosmic dawn. Experimental Astronomy, 2012, 34, 519-549.	3.7	6
180	Sphaleron induced baryon number non-conservation. Nuclear Physics, Section B, Proceedings Supplements, 1992, 26, 78-92.	0.4	5

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181	Parity breaking at high temperature and density. Nuclear Physics B, 1993, 393, 633-657.	2.5	5
182	Results from 3D electroweak phase transition simulations. Nuclear Physics, Section B, Proceedings Supplements, 1996, 47, 705-708.	0.4	5
183	Primordial magnetic fields. AIP Conference Proceedings, 2005, , .	0.4	5
184	EDGE: explorer of diffuse emission and gamma-ray burst explosions. , 2007, , .		5
185	Anomalous Abelian solitons. Nuclear Physics B, 2007, 775, 365-389.	2.5	5
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