

Goran Senjanovic

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11515445/publications.pdf>

Version: 2024-02-01

118
papers

13,852
citations

44069

48
h-index

27406

106
g-index

118
all docs

118
docs citations

118
times ranked

7377
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutrino Mass and Spontaneous Parity Nonconservation. <i>Physical Review Letters</i> , 1980, 44, 912-915.	7.8	4,729
2	Neutrino masses and mixings in gauge models with spontaneous parity violation. <i>Physical Review D</i> , 1981, 23, 165-180.	4.7	2,015
3	A facility to search for hidden particles at the CERN SPS: the SHiP physics case. <i>Reports on Progress in Physics</i> , 2016, 79, 124201.	20.1	496
4	Majorana Neutrinos and the Production of the Right-Handed Charged Gauge Boson. <i>Physical Review Letters</i> , 1983, 50, 1427-1430.	7.8	450
5	Spontaneous breakdown of parity in a class of gauge theories. <i>Nuclear Physics B</i> , 1979, 153, 334-364.	2.5	444
6	Predictions of supersymmetric grand unified theories. <i>Physical Review D</i> , 1982, 25, 3092-3095.	4.7	251
7	Left-Right Symmetry: From the LHC to Neutrinoless Double Beta Decay. <i>Physical Review Letters</i> , 2011, 106, 151801.	7.8	219
8	$b\bar{t}$, Unification and Large Atmospheric Mixing: A Case for a Noncanonical Seesaw Mechanism. <i>Physical Review Letters</i> , 2003, 90, 051802.	7.8	211
9	Left-right symmetry at LHC. <i>Physical Review D</i> , 2010, 82, .	4.7	181
10	Consequences of triplet seesaw for leptogenesis. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 582, 73-81.	4.1	165
11	Neutrinoless double beta decay and heavy sterile neutrinos. <i>Nuclear Physics B</i> , 2012, 856, 26-73.	2.5	159
12	Planck-scale physics and neutrino masses. <i>Physical Review Letters</i> , 1992, 69, 3013-3016.	7.8	146
13	Minimal supersymmetric left-right model. <i>Physical Review D</i> , 1998, 57, 4174-4178.	4.7	146
14	Seesaw at LHC. <i>Journal of High Energy Physics</i> , 2007, 2007, 014-014.	4.7	143
15	Type II neutrino seesaw mechanism at the LHC: The roadmap. <i>Physical Review D</i> , 2012, 85, .	4.7	143
16	SoftCP-Invariance Violation at High Temperature. <i>Physical Review Letters</i> , 1979, 42, 1651-1654.	7.8	136
17	Reconciling High-Scale Left-Right Symmetry with Supersymmetry. <i>Physical Review Letters</i> , 1997, 79, 2188-2191.	7.8	124
18	Minimal supersymmetric grand unified theory: Symmetry breaking and the particle spectrum. <i>Physical Review D</i> , 2004, 70, .	4.7	121

#	ARTICLE	IF	CITATIONS
19	Strong CP problem and parity. Physical Review Letters, 1991, 67, 2765-2768.	7.8	120
20	Probing the seesaw mechanism at CERN LHC. Physical Review D, 2007, 76, .	4.7	120
21	Warm dark matter in low scale left-right theory. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 006-006.	5.4	117
22	Proton decay in minimal supersymmetric SU(5). Physical Review D, 2002, 66, .	4.7	114
23	SO(10) theory of R-parity and neutrino mass. Nuclear Physics B, 2001, 597, 89-109.	2.5	105
24	Can There Be Low Intermediate Mass Scales in Grand Unified Theories?. Physical Review Letters, 1981, 46, 1315-1317.	7.8	104
25	Strangeness-changing processes and the limit on the right-handed gauge-boson mass. Physical Review D, 1983, 28, 546-557.	4.7	104
26	Grand unification and parity restoration at low energies. Phenomenology. Physical Review D, 1981, 24, 704-718.	4.7	96
27	Broken symmetries at high temperature. Physical Review D, 1979, 20, 3390-3398.	4.7	95
28	Limits on the left-right symmetry scale and heavy neutrinos from early LHC data. Physical Review D, 2011, 83, .	4.7	94
29	Connecting Dirac and Majorana Neutrino Mass Matrices in the Minimal Left-Right Symmetric Model. Physical Review Letters, 2013, 110, 151802.	7.8	93
30	Dark matter as the trigger of strong electroweak phase transition. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 029-029.	5.4	92
31	Supersymmetry and large scale left-right symmetry. Physical Review D, 1998, 58, .	4.7	84
32	Gravity and the domain-wall problem. Physical Review D, 1994, 49, 2729-2733.	4.7	81
33	See-saw and supersymmetry or exact R-parity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 459, 557-562.	4.1	81
34	Yukawa sector in nonsupersymmetric renormalizable SO(10). Physical Review D, 2006, 73, .	4.7	79
35	Higgs-boson effects in grand unified theories. Physical Review D, 1983, 27, 1601-1612.	4.7	76
36	Spontaneous breaking of global B-L symmetry and matter-antimatter oscillations in grand unified theories. Physical Review D, 1983, 27, 254-263.	4.7	71

#	ARTICLE	IF	CITATIONS
37	Symmetry Nonrestoration at High Temperature and the Monopole Problem. Physical Review Letters, 1995, 75, 4559-4562.	7.8	71
38	The superlight axion and neutrino masses. Zeitschrift für Physik C-Particles and Fields, 1983, 17, 53-56.	1.5	69
39	C,P, and StrongCP in Left-Right Supersymmetric Models. Physical Review Letters, 1997, 79, 4744-4747.	7.8	67
40	Collider signatures for the heavy lepton triplet in the type I seesaw mechanism. Physical Review D, 2010, 82, .	4.7	66
41	Is There a Domain Wall Problem?. Physical Review Letters, 1995, 74, 5178-5181.	7.8	65
42	Reflections on mirror fermions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 141, 389-394.	4.1	63
43	Low-Scale Leptogenesis and Soft Supersymmetry Breaking. Physical Review Letters, 2004, 93, 111601.	7.8	59
44	Right-Handed Quark Mixing in Left-Right Symmetric Theory. Physical Review Letters, 2015, 114, 071801.	7.8	59
45	Fermion mass relations and the structure of the light Higgs in a supersymmetric $U(1)$ extension. Physical Review D, 2004, 70, .	4.1	54
46	Probing the nature of the seesaw mechanism in renormalizable $SO(10)$. Physical Review D, 2004, 70, .	4.7	50
47	High-temperature behavior of gauge theories. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1979, 89, 57-60.	4.1	49
48	Higgs sector of the minimal left-right symmetric theory. Physical Review D, 2017, 95, .	4.7	49
49	Grand unification and parity restoration at low energies. II. Unification constraints. Physical Review D, 1982, 25, 235-247.	4.7	47
50	Tracking down Higgs scalars with enhanced couplings. Physical Review D, 1984, 30, 1529-1541.	4.7	47
51	Implications of a light Higgs scalar. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 136, 191-195.	4.1	47
52	Cabibbo angle, CP violation and quark masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1978, 73, 176-180.	4.1	44
53	Hydrogen-Antihydrogen Oscillations and Spontaneously Broken Global $U(1)$ Symmetry. Physical Review Letters, 1982, 49, 7-10.	7.8	44
54	Electroweak global strings with flux tubes. Physical Review Letters, 1993, 71, 2376-2379.	7.8	39

#	ARTICLE	IF	CITATIONS
55	Nonrestoration of spontaneously broken P and CP at high temperature. <i>Physical Review D</i> , 1996, 54, 7857-7866.	4.7	38
56	Restoration of parity and the right-handed analog of the CKM matrix. <i>Physical Review D</i> , 2016, 94, .	4.7	38
57	Light lepto-quarks in $SO(10)$. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1983, 20, 255-257.	1.5	37
58	Planck scale effects in neutrino physics. <i>Physical Review D</i> , 1993, 47, 3245-3253.	4.7	36
59	Naturally light sterile neutrinos from theory of R-parity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 698, 420-424.	4.1	36
60	Large Lepton Number of the Universe and the Fate of Topological Defects. <i>Physical Review Letters</i> , 1998, 81, 1355-1358.	7.8	34
61	Heavy neutrinos and the evasion of cosmological bounds. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1981, 107, 59-63.	4.1	33
62	Supersymmetry and Broken Symmetries at High Temperature. <i>Physical Review Letters</i> , 1997, 79, 349-352.	7.8	33
63	On the decoupling of superheavy particles at low energies. <i>Nuclear Physics B</i> , 1980, 164, 305-332.	2.5	29
64	Matter-antimatter transition operators: A manual for modeling. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983, 122, 373-377.	4.1	29
65	Radiative seesaw: a case for split supersymmetry. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005, 610, 80-86.	4.1	29
66	MSSM in view of PAMELA and Fermi-LAT. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	24
67	SEESAW AT LHC THROUGH LEFT-RIGHT SYMMETRY. <i>International Journal of Modern Physics A</i> , 2011, 26, 1469-1491.	1.5	24
68	Inert doublet dark matter and mirror/extra families after Xenon100. <i>Physical Review D</i> , 2011, 84, .	4.7	23
69	Proton decay and grand unification. , 2010, , .		21
70	Probing Seesaw with Parity Restoration. <i>Physical Review Letters</i> , 2017, 119, 201803.	7.8	21
71	Suppression of Higgs flavor-changing neutral currents in a class of gauge theories. <i>Physical Review D</i> , 1980, 21, 3253-3256.	4.7	20
72	Planck-scale physics and solutions to the strong CP problem without the axion. <i>Physical Review D</i> , 1993, 47, 5565-5570.	4.7	19

#	ARTICLE	IF	CITATIONS
73	Intermediate scales in supersymmetric GUTs: the survival of the fittest. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 460, 325-332.	4.1	19
74	Predictions of left-right-symmetric grand unified theories. Physical Review D, 1982, 26, 161-174.	4.7	18
75	Topologically stable Z-strings in the supersymmetric standard model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 331, 63-68.	4.1	17
76	On supersymmetry at high temperature. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 387, 796-800.	4.1	17
77	Axions from chiral family symmetry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 153, 407-411.	4.1	16
78	Radiative Seesaw Mechanism and Degenerate Neutrinos. Physical Review Letters, 2005, 95, 261804.	7.8	15
79	Probing leptonic CP phases in LFV processes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 684, 231-235.	4.1	14
80	On axion and familons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 188, 231-235.	4.1	13
81	Neutrino magnetic moment and the dicyclic group. Physical Review Letters, 1991, 67, 953-956.	7.8	13
82	Minimal supersymmetric Pati-Salam theory: Determination of physical scales. Physical Review D, 2003, 68, .	4.7	13
83	Disentangling the seesaw mechanism in the minimal left-right symmetric model. Physical Review D, 2019, 100, .	4.7	13
84	Large lepton number and high temperature symmetry breaking in MSSM. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 472, 373-381.	4.1	12
85	High temperature symmetry breaking via flat directions. Physical Review D, 2000, 61, .	4.7	11
86	Connection between Cosmological Matter-Antimatter Asymmetry and CP Nonconservation in K Decays. Physical Review Letters, 1984, 53, 1419-1422.	7.8	10
87	Flavor changing strings and domain walls. Physical Review Letters, 1994, 72, 9-12.	7.8	10
88	Proton decay, supersymmetry breaking and its mediation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 648, 365-373.	4.1	10
89	Three Extra Mirror or Sequential Families: Case for a Heavy Higgs Boson and Inert Doublet. Physical Review Letters, 2011, 106, 191802.	7.8	10
90	Is left-right symmetry the key?. Modern Physics Letters A, 2017, 32, 1730004.	1.2	10

#	ARTICLE	IF	CITATIONS
91	Symmetry restoration in hot SUSY. Nuclear Physics, Section B, Proceedings Supplements, 1997, 52, 246-250.	0.4	9
92	R-CHARGE KILLS MONOPOLES. Modern Physics Letters A, 1998, 13, 2955-2964.	1.2	9
93	Fermion mass relations in a supersymmetric SO(10) theory. AIP Conference Proceedings, 2005, , .	0.4	9
94	Type II seesaw dominance in SO(10). Physical Review D, 2010, 82, .	4.7	9
95	Neutrino 2020: Theory Outlook. International Journal of Modern Physics A, 2021, 36, 2130003.	1.5	9
96	Cosmological baryon production in a "superconducting" early universe. Physical Review D, 1980, 21, 3470-3473.	4.7	8
97	Honest symmetries and complex structures of the three-generation superstring model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 214, 193-198.	4.1	6
98	CONSTRAINTS ON EXTRA TIME DIMENSIONS. , 2000, , 525-532.		6
99	Flat directions, doublet-triplet splitting, the monopole problem, and all that. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 525, 189-194.	4.1	5
100	SUPERSYMMETRY AND UNIFICATION: HEAVY TOP WAS THE KEY. International Journal of Modern Physics Conference Series, 2012, 13, 182-190.	0.7	4
101	Semileptonic D-meson decays and the mechanism of CP violation. Physical Review D, 1982, 25, 173-177.	4.7	3
102	Rational unification helps the seesaw mechanism. Physical Review D, 1996, 54, 5734-5744.	4.7	3
103	Parity and the origin of neutrino mass. International Journal of Modern Physics A, 2020, 35, 2050053.	1.5	3
104	A superstring model of four generations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 215, 669-673.	4.1	2
105	Rochelle salt: a prototype of particle physics. , 1998, , .		2
106	SEE-SAW AND GRAND UNIFICATION. , 2005, , .		2
107	Necessity of intermediate mass scales in grand unified theories with spontaneously broken CP invariance. Zeitschrift für Physik C-Particles and Fields, 1983, 18, 271-273.	1.5	1
108	Calabi-Yau manifold of four generations. Physical Review D, 1989, 40, 1166-1175.	4.7	1

#	ARTICLE	IF	CITATIONS
109	Natural philosophy versus philosophy of naturalness. Modern Physics Letters A, 2020, 35, 2030006.	1.2	1
110	Course on Grand Unification. Springer Proceedings in Physics, 2008, , 137-179.	0.2	1
111	Semiglobal Alice strings. Physical Review D, 1995, 51, 7148-7151.	4.7	0
112	See-saw and supersymmetry. , 1999, , .		0
113	Physical scales and neutrino masses in Grand Unified Theories. Nuclear Physics, Section B, Proceedings Supplements, 2005, 145, 250-253.	0.4	0
114	LHC and the origin of neutrino mass. Journal of Physics: Conference Series, 2008, 136, 022039.	0.4	0
115	THE ROLE OF BARYON AND LEPTON NUMBERS IN THE PHYSICS BEYOND THE STANDARD MODEL. , 2002, , .		0
116	FLAT DIRECTIONS IN SUSY GUTS. , 2002, , .		0
117	LHC AND THE SEESAW MECHANISM. , 2010, , .		0
118	Neutrino: Chronicles of an aloof protagonist. Modern Physics Letters A, 0, , .	1.2	0