Renata Zukanovich Funchal

List of Publications by Year in Descending Order

140 papers	4,043 citations	35 h-index	56 g-index
146 ext. papers	4,410 ext. citations	5.2 avg, IF	5.02 L-index

#	Paper	IF	Citations
140	Neutrino mass ordering in light of recent data. *Physical Review D*, **2021**, 103,	4.9	18
139	JUNO prospects for determining the neutrino mass ordering. *Physical Review D*, **2021**, 104,	4.9	1
138	Neutrino trident scattering at near detectors. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	25
137	Neutrino masses and mixings dynamically generated by a light dark sector. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2019**, 791, 210-214	4.2	35
136	Z?s in neutrino scattering at DUNE. *Physical Review D*, **2019**, 100,	4.9	25
135	Dark Neutrino Portal to Explain MiniBooNE Excess. *Physical Review Letters*, **2018**, 121, 241801	7.4	74
134	Seeking leptoquarks in IceCube. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	19
133	Neutrino discovery limit of Dark Matter direct detection experiments in the presence of non-standard interactions. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	34
132	Sterile neutrinos facing kaon physics experiments. *Physical Review D*, **2017**, 95,	4.9	15
131	Dark matter and exotic neutrino interactions in direct detection searches. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	26
130	Constraints from triple gauge couplings on vectorlike leptons. *Physical Review D*, **2017**, 96,	4.9	3
129	Impact of Beyond the Standard Model physics in the detection of the Cosmic Neutrino Background. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	6
128	A neutrinophilic 2HDM as a UV completion for the inverse seesaw mechanism. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	5
127	Limits on neutrinophilic two-Higgs-doublet models from flavor physics. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	16
126	Can the new resonance at LHC be a CP-odd Higgs boson?. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2016**, 757, 261-267	4.2	47
125	Lepton flavor violation in exclusive (brightarrow s) decays. *European Physical Journal C*, **2016**, 76, 1	4.2	82
124	The transverse momentum dependence of charged kaon Bose Einstein correlations in the SELEX experiment. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2016**, 753, 458-464	4.2	2

123	Palatable leptoquark scenarios for lepton flavor violation in exclusive b -> s□1 □2 modes. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	112
122	How unequal fluxes of high energy astrophysical neutrinos and antineutrinos can fake new physics. *Journal of Cosmology and Astroparticle Physics*, **2016**, 2016, 036-036	6.4	15
121	Possible interpretations of IceCube high-energy neutrino events. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	44
120	Dark Matter constraints on composite Higgs models. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	33
119	On the viability of minimal neutrinophilic two-Higgs-doublet models. *Journal of High Energy Physics*, **2015**, 2015, 1-22	5.4	10
118	What can we learn about the lepton CP phase in the next 10 years?. *Journal of High Energy Physics*, **2014**, 2014, 1	5.4	22
117	Neutrino mass matrix textures: a data-driven approach. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	4
116	Can new colored particles illuminate the Higgs?. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	14
115	Revisiting the triangulation method for pointing to supernova and failed supernova with neutrinos. *Physical Review D*, **2013**, 88,	4.9	12
114	Combining accelerator and reactor measurements of □13: the first result. *Journal of High Energy Physics*, **2012**, 2012, 1	5.4	25
113	Does H -> □aste like vanilla new physics?. *Journal of High Energy Physics*, **2012**, 2012, 1	5.4	52
112	A rationale for long-lived quarks and leptons at the LHC: low energy flavour theory. *Journal of High Energy Physics*, **2012**, 2012, 1	5.4	2
111	Bulk neutrinos as an alternative cause of the gallium and reactor anti-neutrino anomalies. *Physical Review D*, **2012**, 85,	4.9	8
110	Potential of a neutrino detector in the ANDES underground laboratory for geophysics and astrophysics of neutrinos. *Physical Review D*, **2012**, 86,	4.9	10
109	Testing for large extra dimensions with neutrino oscillations. *Physical Review D*, **2011**, 84,	4.9	20
108	Mass Eigenstate Composition of 8B Solar Neutrinos. *Nuclear Physics, Section B, Proceedings Supplements*, **2011**, 221, 383		
107	Testing nonstandard neutrino properties with a M□sbauer oscillation experiment. *Journal of High Energy Physics*, **2011**, 2011, 1	5.4	1
106	Probing Extra Dimensions with Neutrino Oscillations. *Nuclear Physics, Section B, Proceedings Supplements*, **2011**, 217, 357-359		0

105	Search for the rare decays K(L)->□□□□and K(L)->□□X0->□□□□ *Physical Review Letters*, **2011**, 107, 201803	7.4	6
104	Precise measurements of direct CP violation, CPT symmetry, and other parameters in the neutral kaon system. *Physical Review D*, **2011**, 83,	4.9	52
103	Dispersive analysis of KL□3 and KLe3 scalar and vector form factors using KTeV data. *Physical Review D*, **2010**, 81,	4.9	9
102	Resolving CP violation by standard and nonstandard interactions and parameter degeneracy in neutrino oscillations. *Journal of High Energy Physics*, **2010**, 2010, 1	5.4	23
101	Mass Hierarchy via M□ssbauer and Reactor Neutrinos. *Nuclear Physics, Section B, Proceedings Supplements*, **2009**, 188, 115-117		12
100	Unparticles and Solar Neutrinos. *Nuclear Physics, Section B, Proceedings Supplements*, **2009**, 188, 139-141		
99	Nuclear dependence of charm production. *European Physical Journal C*, **2009**, 64, 637-644	4.2	6
98	Integrity: misconduct by a few damages credibility for many. *Nature*, **2008**, 454, 574; author reply 575	50.4	4
97	Detailed study of the KL->□□□ Dalitz plot. *Physical Review D*, **2008**, 78,	4.9	16
96	Final results from the KTeV experiment on the decay KL->□□*Physical Review D*, **2008**, 77,	4.9	29
95	Search for the rare decay KL->□□□*Physical Review D*, **2008**, 78,	4.9	2
94	Constraints from solar and reactor neutrinos on unparticle long-range forces. *Journal of Cosmology and Astroparticle Physics*, **2008**, 2008, 019	6.4	17
93	Search for lepton-flavor-violating decays of the neutral kaon. *Physical Review Letters*, **2008**, 100, 131803	7.4	39
92	Determination of the parity of the neutral pion via its four-electron decay. *Physical Review Letters*, **2008**, 100, 182001	7.4	22
91	First observation of the Cabibbo-suppressed decays . *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2008**, 666, 299-304	4.2	3
90	□ and □0 polarization measurements at 800 GeV/c. *Physical Review D*, **2007**, 75,	4.9	5
89	Determination of the neutrino mass hierarchy via the phase of the disappearance oscillation probability with a monochromatic □e source. *Physical Review D*, **2007**, 76,	4.9	36
88	Measurement of the rare decay □->e+e□*Physical Review D*, **2007**, 75,	4.9	58

87	Measurement of the decay KL->□e+e□*Physical Review D*, **2007**, 76,	4.9	5
86	Probing long-range leptonic forces with solar and reactor neutrinos. *Journal of Cosmology and Astroparticle Physics*, **2007**, 2007, 005-005	6.4	26
85	Determining neutrino and supernova parameters with a galactic supernova. *Journal of Cosmology and Astroparticle Physics*, **2007**, 2007, 014-014	6.4	10
84	Publisher□ Note: Determination of the neutrino mass hierarchy via the phase of the disappearance oscillation probability with a monochromatic □e source [Phys. Rev. D 76, 053004 (2007)]. *Physical Review D*, **2007**, 76,	4.9	10
83	First observation of K{L}-->pi{+/-}e{-/+}nue{+}e{-}. *Physical Review Letters*, **2007**, 99, 081803	7.4	2
82	Measurement of the K0 charge radius and a CP-violating asymmetry and a search for CP-violating E1 direct photon emission in the rare decay KL--> pi+ pi- e+ e-. *Physical Review Letters*, **2006**, 96, 101801	7.4	16
81	What fraction of boron-8 solar neutrinos arrive at the Earth as a □ mass eigenstate?. *Physical Review D*, **2006**, 74,	4.9	10
80	Effects of environment dependence of neutrino mass versus solar and reactor neutrino data. *Physical Review D*, **2006**, 73,	4.9	21
79	Resolving □3 degeneracy by accelerator and reactor neutrino oscillation experiments. *Physical Review D*, **2006**, 73,	4.9	35
78	Measurement of direct photon emission in the KL->□□decay mode. *Physical Review D*, **2006**, 74,	4.9	6
77	Determining neutrino mass hierarchy by precision measurements in electron and muon neutrino disappearance experiments. *Physical Review D*, **2006**, 74,	4.9	30
76	Sterile neutrinos: Direct mixing effects versus induced mass matrix of active neutrinos. *Physical Review D*, **2006**, 74,	4.9	45
75	Angra dos Reis reactor neutrino oscillation experiment. *Brazilian Journal of Physics*, **2006**, 36, 1118-1123	1.2	3
74	Determining □mass hierarchy by precise measurements of two □m2 in □e and □disappearance experiments. *Physica Scripta*, **2006**, T127, 33-34	2.6	
73	Angra Neutrino Project: status and plans. *Nuclear Physics, Section B, Proceedings Supplements*, **2006**, 155, 231-232		23
72	A reanalysis of the LSND neutrino oscillation experiment. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2006**, 642, 100-105	4.2	6
71	Another possible way to determine the neutrino mass hierarchy. *Physical Review D*, **2005**, 72,	4.9	129
70	Reactor measurement of □12: Principles, accuracies, and physics potentials. *Physical Review D*, **2005**, 71,	4.9	43

69	Confirmation of the doubly charmed baryon . *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2005**, 628, 18-24	4.2	219
68	Precision measurement of by reactor neutrinos. *Nuclear Physics, Section B, Proceedings Supplements* , **2005**, 143, 529		
67	Reactor measurement of 12; Secret of the power. *Nuclear Physics, Section B, Proceedings Supplements*, **2005**, 145, 45-48		8
66	Observation of the decay xi0 --> sigma+ mu- nu(mu). *Physical Review Letters*, **2005**, 95, 081801	7.4	12
65	Observation of a narrow charm-strange meson D(+)(sJ)(2632)-->D(+)(s)eta and D(0)K(+). *Physical Review Letters*, **2004**, 93, 242001	7.4	72
64	Polarization of hyperons produced by 800 GeV/c protons on Cu and Be. *Physical Review D*, **2004**, 70,	4.9	1
63	Search for the rare decay K(L)-->pi(0)e(+)e(-). *Physical Review Letters*, **2004**, 93, 021805	7.4	83
62	Upper limit on the decay (1385)>and cross section for>*Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2004**, 590, 161-169	4.2	13
61	Discriminating among Earth composition models using geo-antineutrinos. *Journal of High Energy Physics*, **2003**, 2003, 020-020	5.4	13
60	Production asymmetry of Ds from 600 GeV/c and beam. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2003**, 558, 34-40	4.2	5
59	Probing the LSND mass scale and four neutrino scenarios with a neutrino telescope. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2003**, 562, 279-290	4.2	62
58	Determining the oscillation parameters by solar neutrinos and KamLAND. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2003**, 562, 28-35	4.2	23
57	Measurements of the Decay KL-->e+ e- mu+ mu-. *Physical Review Letters*, **2003**, 90, 141801	7.4	15
56	Measuring the spectra of high energy neutrinos with a kilometer-scale neutrino telescope. *Physical Review D*, **2003**, 67,	4.9	5
55	Hadronic production of from 600 GeV/c ,and p beams. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2002**, 528, 49-57	4.2	40
54	Constraining the absolute neutrino mass scale and Majorana CP violating phases by future 0 decay experiments. *Physical Review D*, **2002**, 66,	4.9	18
53	First measurement of ->pion virtual compton scattering. *Physical Review C*, **2002**, 66,	2.7	3
52	Global analysis of the post-SNO solar neutrino data for standard and nonstandard oscillation mechanisms. *Physical Review D*, **2002**, 65,	4.9	40

51	Neutrino oscillation parameters from MINOS, ICARUS, and OPERA combined. *Physical Review D*, **2002**, 65,	4.9	26
50	First observation of the doubly charmed baryon Xi(+)(cc). *Physical Review Letters*, **2002**, 89, 112001	7.4	301
49	Radiative decay width of the a2(1320)□meson. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2001**, 521, 171-180	4.2	9
48	Measurement of the □charge radius by □electron elastic scattering. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2001**, 522, 233-239	4.2	36
47	Measurement of the Ds□ lifetime. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2001**, 523, 22-28	4.2	8
46	Violation of Equivalence Principle and Solar Neutrinos. *Nuclear Physics, Section B, Proceedings Supplements*, **2001**, 100, 68-70		9
45	Precision measurements of the lambda(+)(c) and D0 lifetimes. *Physical Review Letters*, **2001**, 86, 5243-6	7.4	28
44	Probing flavor changing neutrino interactions using neutrino beams from a muon storage ring. *Physical Review D*, **2001**, 64,	4.9	62
43	Quantum dissipative effects and neutrinos: Current constraints and future perspectives. *Physical Review D*, **2001**, 63,	4.9	33
42	Can Super-Lamiokande atmospheric neutrino data be explained by flavor-changing induced neutrino oscillations?. *Nuclear Physics, Section B, Proceedings Supplements*, **2000**, 87, 201-203		8
41	The solar neutrino problem in the light of a violation of the equivalence principle. *Nuclear Physics, Section B, Proceedings Supplements*, **2000**, 87, 215-217		2
40	Observation of the cabibbo-suppressed decay xi(+)(c) --> pK(-)pi(+). *Physical Review Letters*, **2000**, 84, 1857-61	7.4	9
39	Solar neutrino problem and gravitationally induced long-wavelength neutrino oscillation. *Physical Review Letters*, **2000**, 84, 4035-8	7.4	25
38	Total cross section measurements with □ □and protons on nuclei and nucleons around 600GeV/c. *Nuclear Physics B*, **2000**, 579, 277-312	2.8	33
37	Atmospheric Neutrino Observations and Flavor Changing Interactions. *Physical Review Letters*, **1999** , 82, 3202-3205	7.4	104
36	Signal and backgrounds for leptoquarks at the CERN LHC. *Physical Review D*, **1998**, 57, 1715-1729	4.9	20
35	Neutrino mixing effects on the tau -neutrino mass limit. *Physical Review D*, **1996**, 53, 2851-2853	4.9	3
34	Some consequences in weak processes of three-generation mixing in the leptonic sector. *Physical Review D*, **1994**, 50, 513-522	4.9	5

33	Comment on the Decay Puzzle. *Europhysics Letters*, **1993**, 21, 169-172	1.6	1
32	A measurement of the tau lifetime. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1993**, 302, 356-368	4.2	16
31	A measurement of the mean lifetimes of charged and neutral B-hadrons. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1993**, 312, 253-266	4.2	15
30	Measurement of b production and lifetime in Z0 hadronic decays. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1993**, 311, 379-390	4.2	24
29	Determination of S from the scaling violation in the fragmentation functions in e+e annihilation. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1993**, 311, 408-424	4.2	40
28	A study of B0 mixing using semileptonic decays of B hadrons produced from Z0. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1993**, 301, 145-154	4.2	15
27	Limits on the production of scalar leptoquarks from Z0 decays at LEP. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1993**, 316, 620-630	4.2	29
26	Measurement of inclusive production of light meson resonances in hadronic decays of the Z0. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1993**, 298, 236-246	4.2	29
25	A search for lepton flavour violation in Z0 decays. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1993**, 298, 247-256	4.2	8
24	Determination of S for b quarks at the Z0 resonance. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1993**, 307, 221-236	4.2	19
23	Search for Z0 decays to two leptons and a charged particle-antiparticle pair. *Nuclear Physics B*, **1993**, 403, 3-24	2.8	7
22	Multiplicity dependence of mean transverse momentum in e+e annihilations at LEP energies. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1992**, 276, 254-262	4.2	6
21	A search for neutral Higgs particles in Z0 decays. *Nuclear Physics B*, **1992**, 373, 3-34	2.8	38
20	Multiplicity fluctuations in hadronic final states from the decay of the Z0. *Nuclear Physics B*, **1992**, 386, 471-492	2.8	23
19	Evidence for BS0 meson production in Z0 decays. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1992**, 289, 199-210	4.2	36
18	Bose-Einstein correlations in the hadronic decays of the Z0. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1992**, 286, 201-210	4.2	66
17	Searches for heavy neutrinos from Z decays. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1992**, 274, 230-238	4.2	21
16	A measurement of sin2W from the charge asymmetry of hadronic events at the Z0 peak. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1992**, 277, 371-382	4.2	26

15	Search for scalar leptoquarks from Z0 decays. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1992**, 275, 222-230	4.2	22
14	Production of strange particles in the hadronic decays of the Z0. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1992**, 275, 231-242	4.2	41
13	Measurement of the Z0 branching fraction to b quark pairs using the boosted sphericity product. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1992**, 281, 383-393	4.2	9
12	A measurement of the b forward-backward asymmetry using the semileptonic decay into muons. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1992**, 276, 536-546	4.2	19
11	Study of orientation of three-jet events in Z0 hadronic decays using the DELPHI detector. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1992**, 274, 498-506	4.2	13
10	Classification of the hadronic decays of the Z0 into b and c quark pairs using a neural network. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1992**, 295, 383-395	4.2	34
9	The reaction e+e□> □at Z0 energies. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1991**, 268, 296-304	4.2	29
8	Determination of Z0 resonance parameters and couplings from its hadronic and leptonic decays. *Nuclear Physics B*, **1991**, 367, 511-574	2.8	62
7	Search for pair production of neutral Higgs bosons in Z0 decays. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1990**, 245, 276-288	4.2	44
6	Study of hadronic decays of the Z0 boson. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1990**, 240, 271-282	4.2	89
5	Study of the leptonic decays of the Z0 boson. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1990**, 241, 425-434	4.2	30
4	A precise measurement of the Z resonance parameters through its hadronic decays. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1990**, 241, 435-448	4.2	56
3	Search for heavy charged scalars in Z0 decays. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1990**, 241, 449-458	4.2	36
2	Search for the t and b' quarks in hadronic decays of the Z0 boson. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1990**, 242, 536-546	4.2	15
1	Measurement of the mass and width of the Z0-particle from multihadronic final states produced in e+e□annihilations. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1989**, 231, 539-547	4.2	191