Pilar Hernandez

List of Publications by Year
in descending order

120 papers	6,613 citations	71102 41 h-index	62596 80 g-index
120 all docs	120 docs citations	120 times ranked	4717 citing authors

#	Article	IF	Citations
1	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
2	Golden measurements at a neutrino factory. Nuclear Physics B, 2000, 579, 17-55.	2.5	428
3	FCC-ee: The Lepton Collider. European Physical Journal: Special Topics, 2019, 228, 261-623.	2.6	424
4	FCC-hh: The Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 755-1107.	2.6	367
5	FCC Physics Opportunities. European Physical Journal C, 2019, 79, 1.	3.9	346
6	Locality properties of Neuberger's lattice Dirac operator. Nuclear Physics B, 1999, 552, 363-378.	2.5	310
7	Standard model CP-violation and baryon asymmetry (II). Finite temperature. Nuclear Physics B, 1994, 430, 382-426.	2.5	300
8	Neutrino oscillation physics with a neutrino factory. Nuclear Physics B, 1999, 547, 21-38.	2.5	262
9	On the measurement of leptonic CP violation. Nuclear Physics B, 2001, 608, 301-318.	2.5	246
10	The self-couplings of vector bosons: does LEP-1 obviate LEP-2?. Nuclear Physics B, 1992, 384, 3-58.	2.5	222
11	Physics at a future Neutrino Factory and super-beam facility. Reports on Progress in Physics, 2009, 72, 106201.	20.1	174
12	Vicarious Resilience: A New Concept in Work With Those Who Survive Trauma. Family Process, 2007, 46, 229-241.	2.6	157
13	Neutrino oscillation physics with a higher-Î³ Î²-beam. Nuclear Physics B, 2004, 695, 217-240.	2.5	108
14	HE-LHC: The High-Energy Large Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 1109-1382.	2.6	108
15	Low-energy couplings of QCD from current correlators near the chiral limit. Journal of High Energy Physics, 2004, 2004, 013-013.	4.7	93
16	Superbeams plus neutrino factory: the golden path to leptonic CP violation. Nuclear Physics B, 2002, 646, 301-320.	2.5	92
17	Critical Consciousness, Accountability, and Empowerment: Key Processes for Helping Families Heal. Family Process, 2005, 44, 105-119.	2.6	90
18	Neutrino mixing and CP-violation. Nuclear Physics B, 2000, 574, 23-42.	2.5	87

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19	Testable baryogenesis in seesaw models. Journal of High Energy Physics, 2016, 2016, 1.	4.7	86
20	Optimal Î²-beam at the CERN-SPS. Nuclear Physics B, 2005, 725, 306-326.	2.5	84
21	Semi-leptonic decays of heavy flavours on a fine grained lattice. Nuclear Physics B, 1994, 416, 675-695.	2.5	79
22	Finite-size scaling of the quark condensate in quenched lattice QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 469, 198-204.	4.1	72
23	Intersectionality, power, and relational safety in context: Key concepts in clinical supervision.. Training and Education in Professional Psychology, 2010, 4, 29-35.	1.2	72
24	Probing the Type I Seesaw mechanism with displaced vertices at the LHC. European Physical Journal C, 2015, 75, 1.	3.9	72
25	Probing leptogenesis. International Journal of Modern Physics A, 2018, 33, 1842005.	1.5	69
26	The seesaw portal in testable models of neutrino masses. Journal of High Energy Physics, 2017, 2017, 1.	4.7	67
27	The minimal 3â€‰+â€‰2 neutrino model versus oscillation anomalies. Journal of High Energy Physics, 2012, 2012, 1.	4.7	66
28	Decolonizing Academia: Intersectionality, Participation, and Accountability in Family Therapy and Counseling. Journal of Feminist Family Therapy, 2010, 22, 93-111.	0.3	58
29	Finite-size scaling of meson propagators. Nuclear Physics B, 2002, 629, 445-478.	2.5	57
30	ARS leptogenesis. International Journal of Modern Physics A, 2018, 33, 1842002.	1.5	56
31	Vicarious resilience: A qualitative investigation into its description.. Traumatology, 2008, 14, 13-21.	2.4	55
32	Exploring the Impact of Trauma on Therapists: Vicarious Resilience and Related Concepts in Training. Journal of Systemic Therapies: J S T, 2010, 29, 67-83.	0.2	54
33	Non-perturbative renormalization of the quark condensate in Ginsparg-Wilson regularizations. Journal of High Energy Physics, 2001, 2001, 018-018.	4.7	52
34	Leptogenesis in GeV-scale seesaw models. Journal of High Energy Physics, 2015, 2015, 1.	4.7	51
35	Revisiting cosmological bounds on sterile neutrinos. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 006-006.	5.4	50
36	Mental health professionals' adaptive responses to racial microaggressions: An exploratory study.. Professional Psychology: Research and Practice, 2010, 41, 202-209.	1.0	49

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37	Resilience in Families and Communities: Latin American Contributions from the Psychology of Liberation. Family Journal, 2002, 10, 334-343.	1.2	48
38	Towards N = 1 super-Yang-Mills on the lattice. Nuclear Physics B, 1998, 523, 529-552.	2.5	44
39	Finite-size scaling of vector and axial current correlators. Nuclear Physics B, 2003, 656, 226-238.	2.5	43
40	Neffin low-scale seesaw models versus the lightest neutrino mass. Physical Review D, 2014, 90, .	4.7	43
41	One-loop effects of non-standard triple gauge boson vertices. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 307, 116-127.	4.1	42
42	A lattice construction of chiral gauge theories. Nuclear Physics B, 1995, 455, 287-319.	2.5	41
43	Beam and experiments: summary. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 451, 102-122.	1.6	41
44	Precision on leptonic mixing parameters at future neutrino oscillation experiments. Journal of High Energy Physics, 2012, 2012, 1.	4.7	41
45	Majorana vs pseudo-Dirac neutrinos at the ILC. European Physical Journal C, 2019, 79, 1.	3.9	38
46	The seesaw path to leptonic CP violation. European Physical Journal C, 2017, 77, 1.	3.9	32
47	Trauma in war and political persecution: Expanding the concept.. American Journal of Orthopsychiatry, 2002, 72, 16-25.	1.5	31
48	Minimal models with light sterile neutrinos. Journal of High Energy Physics, 2011, 2011, 1.	4.7	31
49	Low-energy couplings of QCD from topological zero-mode wave functions. Journal of High Energy Physics, 2004, 2004, 003-003.	4.7	30
50	Light sterile neutrino sensitivity at the nuSTORM facility. Physical Review D, 2014, 89, .	4.7	28
51	New constraints on heavy neutral leptons from Super-Kamiokande data. European Physical Journal C, 2020, 80, 1.	3.9	27
52	Correlators of left charges and weak operators in finite volume chiral perturbation theory. Journal of High Energy Physics, 2003, 2003, 063-063.	4.7	25
53	Listening to Ethnic Minority AAMFT Approved Supervisors: Reflections on their Experiences as Supervisees. Journal of Systemic Therapies: J S T, 2009, 28, 88-100.	0.2	25
54	High intensity neutrino oscillation facilities in Europe. Physical Review Special Topics: Accelerators and Beams, 2013, 16, .	1.8	25

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55	The cultural context model in clinical supervision.. Training and Education in Professional Psychology, 2008, 2, 10-17.	1.2	23
56	Searches for atmospheric long-lived particles. Journal of High Energy Physics, 2020, 2020, 1.	4.7	23
57	Scalar condensate and light quark masses from overlap fermions. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 766-771.	0.4	22
58	The Cultural Context Model in Supervision. Journal of Feminist Family Therapy, 2004, 15, 1-18.	0.3	20
59	Four species neutrino oscillations at Î½-Factory: sensitivity and CP-violation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 451, 58-68.	1.6	17
60	Adolescent Girls in Colombia's Guerrilla. Journal of Prevention and Intervention in the Community, 2003, 26, 21-38.	0.7	17
61	The large $$N_{c}$$ limit of QCD on the lattice. European Physical Journal A, 2021, 57, 52.	2.5	17
62	Large $$N_c$$ scaling of meson masses and decay constants. European Physical Journal C, 2019, 79, 1.	3.9	17
63	Interpolation of non-abelian lattice gauge fields. Nuclear Physics B, 1996, 472, 334-346.	2.5	16
64	Kâ†'ÏŒÏ€Amplitudes from Lattice QCD with a Light Charm Quark. Physical Review Letters, 2007, 98, 082003.	7.8	16
65	Integrating Diversity Dimensions in Supervision. Clinical Supervisor, The, 2007, 25, 3-21.	1.7	16
66	Low-scale seesaw models versus<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>N</mml:mi><mml:mtext mathvariant="bold">eff</mml:mtext></mml:msub></mml:math>. Physical Review D, 2014, 89, .	4.7	16
67	The see-saw portal at future Higgs Factories. Journal of High Energy Physics, 2021, 2021, 1.	4.7	16
68	Finite-size scaling of the left-current correlator with non-degenerate quark masses. Journal of High Energy Physics, 2007, 2007, 033-033.	4.7	14
69	The WebQuest: An Illustration of Instructional Technology Implementation in MFT Training. Contemporary Family Therapy, 2007, 29, 163-175.	1.3	14
70	Superbeam studies at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 503, 173-178.	1.6	13
71	Relational Safety and Liberating Training spaces: An Application with a Focus on Sexual Orientation Issues. Journal of Marital and Family Therapy, 2008, 34, 251-264.	1.1	13
72	Golden channel at a neutrino factory revisited: Improved sensitivities from a magnetized iron neutrino detector. Physical Review D, 2012, 86, .	4.7	13

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73	Ginsparg-Wilson fermions: practical aspects and applications. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 80-85.	0.4	12
74	Neutral heavy leptons and electroweak baryogenesis. Nuclear Physics B, 1997, 495, 57-80.	2.5	11
75	Heavy-light mesons in the Ïµ-regime. Journal of High Energy Physics, 2010, 2010, 1.	4.7	11
76	Probing the chiral regime ofNf=2QCD with mixed actions. Physical Review D, 2011, 83, .	4.7	11
77	Leptogenesis from oscillations and dark matter. European Physical Journal C, 2019, 79, 1.	3.9	11
78	Application of family therapy theory to complex social issues: using the WebQuest in family therapy training. Journal of Family Therapy, 2007, 29, 355-358.	1.0	10
79	The Cultural Context Model: How Does it Facilitate Couplesâ€™ Therapeutic Change?. Journal of Marital and Family Therapy, 2009, 35, 97-110.	1.1	10
80	Probing the neutrino mass hierarchy with Super-Kamiokande. Journal of High Energy Physics, 2012, 2012, 1.	4.7	10
81	The index theorem on the lattice with improved fermion actions. Nuclear Physics B, 1998, 536, 345-362.	2.5	9
82	Nonleptonic kaon decays at large Nc. Physical Review D, 2016, 94, .	4.7	9
83	Minimal flavor violation in the see-saw portal. Journal of High Energy Physics, 2020, 2020, 1.	4.7	9
84	Trauma in war and political persecution: expanding the concept. American Journal of Orthopsychiatry, 2002, 72, 16-25.	1.5	9
85	Charm mass dependence of the weak Hamiltonian in chiral perturbation theory. Journal of High Energy Physics, 2004, 2004, 018-018.	4.7	8
86	Non-perturbative renormalisation of leftâ€“left four-fermion operators with Neuberger fermions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 641, 118-124.	4.1	8
87	Probing the chiral weak Hamiltonian at finite volumes. Journal of High Energy Physics, 2006, 2006, 069-069.	4.7	8
88	Topological sampling through windings. European Physical Journal C, 2021, 81, 1.	3.9	8
89	A Wilson-Yukawa Model with undoubled chiral fermions in 2D. Nuclear Physics B, 1998, 513, 593-626.	2.5	7
90	Dissecting the $$Delta I=1/2$$ rule at large $$N_c$$. European Physical Journal C, 2020, 80, 1.	3.9	7

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91	Toroidal magnetized iron neutrino detector for a neutrino factory. Physical Review Special Topics: Accelerators and Beams, 2013, 16, .	1.8	6
92	A Numerical Treatment of Neubergerâ€™s Lattice Dirac Operator. Lecture Notes in Computational Science and Engineering, 2000, , 29-39.	0.3	6
93	A lattice study of ÏЄÏЄ scattering at large Nc. Journal of High Energy Physics, 2022, 2022, .	4.7	6
94	Chiral symmetry breaking from Ginsparg-Wilson fermions. Nuclear Physics, Section B, Proceedings Supplements, 2000, 83-84, 633-635.	0.4	4
95	A new lattice action for studying topological charge. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 385, 254-260.	4.1	3
96	Interweaving Ethnicity and Gender in Consultation. Journal of Family Psychotherapy, 2007, 18, 57-75.	0.5	3
97	Quenched spectroscopy for the N = 1 Super-Yang-Mills theory. Nuclear Physics, Section B, Proceedings Supplements, 1998, 63, 718-720.	0.4	2
98	Neutrino oscillation physics with a neutrino factory. Nuclear Physics, Section B, Proceedings Supplements, 2000, 81, 167-173.	0.4	2
99	Transformative Family Therapy with a Lesbian Couple: A Case Study. Journal of Feminist Family Therapy, 2008, 20, 281-298.	0.3	2
100	A non-perturbative study of massive gauge theories. Journal of High Energy Physics, 2013, 2013, 1.	4.7	2
101	A new formulation of compartmental epidemic modelling for arbitrary distributions of incubation and removal times. PLoS ONE, 2021, 16, e0244107.	2.5	2
102	Finding Ways to Attend to and Talk About Family Therapy and Feminism from "Non-Mainstream" Paths. Journal of Feminist Family Therapy, 1996, 8, 37-52.	0.3	1
103	Summary of Working Group I at NuFactâ€™00 Neutrino oscillation physics at a neutrino factory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 472, 395-402.	1.6	1
104	Neutrino oscillation physics at a Î½ factory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 485, 811-818.	1.6	1
105	Finite-volume meson propagators in quenched chiral perturbation theory. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 772-774.	0.4	1
106	Vector and axial-vector propagators in the Ïµ-Regime of QCD. Nuclear Physics, Section B, Proceedings Supplements, 2004, 129-130, 754-756.	0.4	1
107	Dilemmas on Motherhood and Social Activism in Times of War. Journal of Family Psychotherapy, 2006, 16, 65-82.	0.5	1
108	CP violation in the neutrino sector: The new frontier. Comptes Rendus Physique, 2012, 13, 186-192.	0.9	1

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109	The Minimal 3 + 2 Neutrino Model vs. Higgs Decays. Nuclear and Particle Physics Proceedings, 2016, 273-275, 2693-2695.	0.5	1
110	Non-leptonic kaon decays at large Nc. EPJ Web of Conferences, 2018, 175, 13015.	0.3	1
111	India and Pakistan on the Brink: Considerations for Truth, Reconciliation, and Forgiveness. , 2009, , 207-221.		1
112	A new lattice action for studying topological charge. Nuclear Physics, Section B, Proceedings Supplements, 1997, 53, 564-566.	0.4	0
113	Lattice chiral gauge theories with finely-grained fermions. Nuclear Physics, Section B, Proceedings Supplements, 1997, 53, 655-657.	0.4	0
114	A Wilson-Yukawa model with a chiral spectrum in 2D. Nuclear Physics, Section B, Proceedings Supplements, 1998, 63, 608-610.	0.4	0
115	Residual mass effects in improved domain wall fermions. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 846-848.	0.4	0
116	Non-perturbative field theory: Progress in lattice field theory. European Physical Journal C, 2004, 33, s75-s89.	3.9	0
117	Correlation functions at small quark masses with overlap fermions. Nuclear Physics, Section B, Proceedings Supplements, 2005, 140, 417-419.	0.4	0
118	Outlook: Theory. Journal of Physics: Conference Series, 2008, 136, 022056.	0.4	0
119	Summary of Working Group One. AIP Conference Proceedings, 2008, , .	0.4	0
120	The Seesaw Scale vs Cosmology. Nuclear and Particle Physics Proceedings, 2015, 265-266, 307-310.	0.5	0