Christoph Luhn

List of Publications by Year
in descending order

45 papers	2,695 citations	201674 27 h-index	233421 45 g-index
45 all docs	45 docs citations	45 times ranked	1109 citing authors

#	Article	IF	Citations
1	Neutrino mass and mixing with discrete symmetry. Reports on Progress in Physics, 2013, 76, 056201.	20.1	610
2	What is the discrete gauge symmetry of the minimal supersymmetric standard model. Physical Review D, 2006, 73, .	4.7	155
3	Tri-bimaximal neutrino mixing and the family symmetry $\mathcal{Z}_7 \rtimes \mathcal{Z}_3$. Physics Letters,	4.1	155
4	Trimaximal mixing with predicted θ_{13} from a new type of constrained sequential dominance. Nuclear Physics B, 2012, 856, 328-341.	2.5	131
5	Spontaneous CP violation from vacuum alignment in S 4 models of leptons. Journal of High Energy Physics, 2013, 2013, 1.	4.7	117
6	Trimaximal neutrino mixing from vacuum alignment in A 4 and S 4 models. Journal of High Energy Physics, 2011, 2011, 1.	4.7	113
7	Flavor group $\Delta(3n2)$. Journal of Mathematical Physics, 2007, 48, .	1.1	108
8	The flavor group $\Delta(6n2)$. Journal of Mathematical Physics, 2009, 50, 013524.	1.1	101
9	A SUSY GUT of flavour with S 4 Ã— SU(5) to NLO. Journal of High Energy Physics, 2010, 2010, 1.	4.7	85
10	Trimaximal TM1 neutrino mixing in with spontaneous CP violation. Nuclear Physics B, 2013, 875, 80-100.	2.5	82
11	A Grand Flavour Model. Nuclear Physics B, 2013, 867, 203-235.	2.5	76
12	On the origin of neutrino flavour symmetry. Journal of High Energy Physics, 2009, 2009, 093-093.	4.7	67
13	A 4 models of tri-bimaximal-reactor mixing. Journal of High Energy Physics, 2012, 2012, 1.	4.7	65
14	Simple finite non-Abelian flavor groups. Journal of Mathematical Physics, 2007, 48, 123519.	1.1	64
15	A new family symmetry for GUTs. Nuclear Physics B, 2009, 820, 269-289.	2.5	63
16	Right unitarity triangles and tri-bimaximal mixing from discrete symmetries and unification. Nuclear Physics B, 2011, 850, 477-504.	2.5	60
17	A supersymmetric grand unified theory of flavour with. Nuclear Physics B, 2010, 832, 414-439.	2.5	59
18	Baryon triality and neutrino masses from an anomalous flavor. Nuclear Physics B, 2007, 774, 127-167.	2.5	52

#	Article	IF	Citations
19	A4 Ã— SU(5) SUSY GUT of flavour with trimaximal neutrino mixing. Journal of High Energy Physics, 2012, 2012, 1.	4.7	48
20	Testing solar lepton mixing sum rules in neutrino oscillation experiments. Journal of High Energy Physics, 2014, 2014, 1.	4.7	41
21	Testing atmospheric mixing sum rules at precision neutrino facilities. Physical Review D, 2014, 89, .	4.7	39
22	SUSY <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>S</mml:mi></mml:mrow><mml:mrow><mml:mn>4</mml:mn></mml:mrow></m mathvariant="italic">SU</mml:mi></mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:mn>5</mml:mn><mml:mo stretchy="false">)</mml:mo></mml:math> revisited. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 207-213.	4.1	36
23	Spontaneous breaking of SU(3) to finite family symmetries â€" a pedestrianâ€™s approach. Journal of High Energy Physics, 2011, 2011, 1.	4.7	35
24	A minimal model of neutrino flavor. Journal of High Energy Physics, 2012, 2012, 1.	4.7	33
25	Anomaly conditions for non-Abelian finite family symmetries. Journal of High Energy Physics, 2008, 2008, 085-085.	4.7	30
26	Proton hexality from an anomalous flavor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>U</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>1</mml:mn><mml:mo stretchy="false">)</mml:mo></mml:math> ... 795, 172-200.	2.5	29
27	...overflow="scroll"...mathvariant=italic>SU</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>5</mml:mn><mml:mo stretchy="false">)</mml:mo></mml:math> with singlet plus adjoint matter and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:msub><mml:mi>A</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>	4.1	29
28	What is the discrete gauge symmetry of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>R</mml:mi></mml:math>-parity violating MSSM?. Physical Review D, 2012, 86, .	4.7	27
29	Littlest Seesaw model from S 4 Ã— U(1). Journal of High Energy Physics, 2016, 2016, 1.	4.7	18
30	Dirac neutrinos and anomaly-free discrete gauge symmetries. Physical Review D, 2008, 77, .	4.7	17
31	Renormalisation group improved leptogenesis in family symmetry models. Nuclear Physics B, 2012, 859, 159-176.	2.5	15
32	Approaching Minimal Flavour Violation from an SU(5) Ã— S 4 Ã— U(1) SUSY GUT. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
33	Minima of multi-Higgs potentials with triplets of Î"(3 n 2) and Î"(6 n 2). Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 775, 303-310.	4.1	14
34	Common gauge origin of discrete symmetries in observable sector and hidden sector. Journal of High Energy Physics, 2009, 2009, 081-081.	4.7	13
35	Discrete anomalies of binary groups. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 670, 390-394.	4.1	13
36	Quintics with finite simple symmetries. Journal of Mathematical Physics, 2008, 49, .	1.1	12

#	Article	IF	Citations
37	CP-odd invariants for multi-Higgs models: Applications with discrete symmetry. Physical Review D, 2016, 94, .	4.7	12
38	Discrete gauge symmetries and proton stability in the U(1)′-extended MSSM. Journal of High Energy Physics, 2008, 2008, 065-065.	4.7	10
39	Phenomenological implications of an $SU(5) \tilde{A} - S4 \tilde{A} - U(1)$ SUSY GUT of flavor. Physical Review D, 2016, 93, .	4.7	10
40	Combining Pati-Salam and flavour symmetries. Journal of High Energy Physics, 2015, 2015, 1.	4.7	9
41	Spontaneous CP violation in multi-Higgs potentials with triplets of $Î''(3n2)$ and $Î''(6n2)$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
42	Lepton-flavour violation in a Pati-Salam model with gauged flavour symmetry. Journal of High Energy Physics, 2016, 2016, 1.	4.7	7
43	Froggatt-Nielsen models with a residual $\mathbb{Z}_4^R$ symmetry. Physical Review D, 2013, 88, .	4.7	5
44	Radiative inflation and dark energy RIDEs again after BICEP2. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 040-040.	5.4	5
45	Radiative inflation and dark energy. Physical Review D, 2011, 84, .	4.7	1