

Hiren H Patel

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3632288/publications.pdf>

Version: 2024-02-01

25
papers

1,622
citations

471509

17
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

1363
citing authors

#	ARTICLE	IF	CITATIONS
1	Package-X: A Mathematica package for the analytic calculation of one-loop integrals. Computer Physics Communications, 2015, 197, 276-290.	7.5	367
2	Baryon washout, electroweak phase transition, and perturbation theory. Journal of High Energy Physics, 2011, 2011, 1.	4.7	200
3	Vacuum stability, perturbativity, and scalar singlet dark matter. Journal of High Energy Physics, 2010, 2010, 1.	4.7	190
4	Reduced Hadronic Uncertainty in the Determination of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:msub > < mml:mi>V</mml:mi> < mml:mrow > < mml:mi>u</mml:mi> < mml:mi>d</mml:mi> </mml:mrow > </mml:msub >$ Physical Review Letters, 2018, 121, 241804.	7.8	183
5	Package -X 2.0: A Mathematica package for the analytic calculation of one-loop integrals. Computer Physics Communications, 2017, 218, 66-70.	7.5	152
6	Triplet scalars and dark matter at the LHC. Physical Review D, 2009, 79, .	4.7	89
7	Stepping into electroweak symmetry breaking: Phase transitions and Higgs phenomenology. Physical Review D, 2013, 88, .	4.7	75
8	Minimal theory for lepto-baryons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 283-287.	4.1	61
9	Electroweak phase transition in the real triplet extension of the SM: Dimensional reduction. Physical Review D, 2019, 100, .	4.7	42
10	Majoron at two loops. Physical Review D, 2019, 100, .	4.7	34
11	Transplanckian censorship and global cosmic strings. Journal of High Energy Physics, 2017, 2017, 1.	4.7	29
12	Color breaking in the early universe. Physical Review D, 2013, 88, .	4.7	28
13	Electric dipole moments in a leptoquark scenario for the B-physics anomalies. Journal of High Energy Physics, 2020, 2020, 1.	4.7	26
14	Electron EDM in the complex two-Higgs doublet model. Physical Review D, 2020, 102, .	4.7	23
15	Two-loop effective potential for generalized gauge fixing. Physical Review D, 2018, 98, .	4.7	20
16	Dark photon decay beyond the Euler-Heisenberg limit. Physical Review D, 2018, 97, .	4.7	19
17	Baryon asymmetry, dark matter and local baryon number. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 731, 232-235.	4.1	17
18	The electroweak vacuum angle. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 732, 241-243.	4.1	15

#	ARTICLE	IF	CITATIONS
19	Electroweak absolute, meta-, and thermal stability in neutrino mass models. Physical Review D, 2016, 93, .	4.7	15
20	Leptobaryons as Majorana dark matter. Physical Review D, 2015, 92, .	4.7	13
21	Loop dominated signals from neutrino portal dark matter. Physical Review D, 2020, 101, .	4.7	11
22	Parity-Violating MÅller Scattering at Next-to-Next-to-Leading Order: Closed Fermion Loops. Physical Review Letters, 2021, 126, 131801.	7.8	6
23	Discovering new forces with gravitational waves from supermassive black holes. Physical Review D, 2021, 104, .	4.7	4
24	On the decoupling theorem for vacuum metastability. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 527-533.	4.1	3
25	Electroweak vacuum angle at finite temperature and implications for baryogenesis. Physical Review D, 2015, 92, .	4.7	0