

Digesh Raut

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

426
citations

623734

14
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

374
citing authors

#	ARTICLE	IF	CITATIONS
1	The Forward Physics Facility: Sites, experiments, and physics potential. <i>Physics Reports</i> , 2022, 968, 1-50.	25.6	57
2	Inflection-point inflation with axion dark matter in light of Trans-Planckian Censorship Conjecture. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 812, 136001.	4.1	6
3	Hunting inflatons at FASER. <i>Physical Review D</i> , 2021, 103, .	4.7	18
4	Pseudo-Goldstone dark matter in a gauged $B-L$ extended standard model. <i>Physical Review D</i> , 2021, 103, .	4.7	17
5	$SU(5)_{\text{GUT}}-U(1)_X$ axion model with observable proton decay. <i>Physical Review D</i> , 2021, 104, .	4.7	0
6	Pseudo-Goldstone dark matter in $S-O$ $U(1)$ extended standard model. <i>Physical Review D</i> , 2021, 103, .	4.7	18
7	Dark matter $Z\text{-}^2$ and XENON1T excess from $U(1)$ extended standard model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 810, 135785.	4.1	33
8	SMART $U(1)_{\text{SM}}-U(1)_{\text{SM}}$: standard model with axion, right handed neutrinos, two Higgs doublets and $U(1)_{\text{SM}}-U(1)_{\text{SM}}$ gauge symmetry. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	7
9	Probing the seesaw mechanism at the 250 GeV ILC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 797, 134849.	4.1	27
10	Domain-Wall Standard Model in non-compact 5D and LHC phenomenology. <i>Modern Physics Letters A</i> , 2019, 34, 1950080.	1.2	5
11	Natural Z -portal Majorana dark matter in alternative $U(1)$ extended standard model. <i>Physical Review D</i> , 2019, 100, .	4.7	20
12	Inflation, proton decay, and Higgs-portal dark matter in $SO(10)$ imes $U(1)_{\text{psi}}$. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	8
13	Fermion mass hierarchy and phenomenology in the 5D Domain Wall Standard Model. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	2
14	Heavy Majorana neutrino pair productions at the LHC in minimal $U(1)$ extended Standard Model. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	48
15	Displaced vertex signature of type-I seesaw model. <i>Physical Review D</i> , 2018, 98, .	4.7	20
16	Nonminimal quartic inflation in classically conformal $U(1)_X$ extended standard model. <i>Physical Review D</i> , 2018, 97, .	4.7	18
17	Enhanced pair production of heavy Majorana neutrinos at the LHC. <i>Physical Review D</i> , 2018, 97, .	4.7	44
18	$SU(5)_{\text{GUT}}-U(1)$ grand unification with minimal seesaw and $Z\text{-}^2$ -portal dark matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 780, 422-426.	4.1	27

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19	Inflection-point inflation in a hyper-charge oriented $\langle \text{mml:math} \text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{display}=\text{"inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{mathvariant}=\text{"normal"} \rangle U \langle \text{mml:mi} \rangle \langle \text{mml:mo} \text{stretchy}=\text{"false"} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle Tj \text{ETOq1 1 0.784314 rgBT /Overlock 10 Tf 50 722 Td (stretchy}=\text{"false"} \rangle$	4.7	25
20	Inflection-point $\langle \text{mml:math} \text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{display}=\text{"inline"} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\wedge} \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle L \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Higgs inflation. Physical Review D, 2017, 95, .	4.7	21
21	Running non-minimal inflation with stabilized inflaton potential. European Physical Journal C, 2017, 77, 1.	3.9	15