

Arunansu Sil

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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567281
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all docs

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docs citations

32
times ranked

203
citing authors

#	ARTICLE	IF	CITATIONS
1	Two component dark matter: a possible explanation of 130 GeV γ^3 -ray line from the galactic centre. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 049-049.	5.4	45
2	Nonzero $\tilde{\chi}_1^0$ and leptogenesis in a type-I seesaw model with A4 symmetry. Physical Review D, 2015, 91, .	4.7	42
3	Study of electroweak vacuum stability from extended Higgs portal of dark matter and neutrinos. Physical Review D, 2018, 97, .	4.7	31
4	Two component dark matter with inert Higgs doublet: neutrino mass, high scale validity and collider searches. Journal of High Energy Physics, 2020, 2020, 1.	4.7	31
5	Warm dark matter in a $B\tilde{\chi}_1^0$ inverse seesaw scenario. Physical Review D, 2015, 91, .	4.7	28
6	Scalar assisted singlet doublet fermion dark matter model and electroweak vacuum stability. Physical Review D, 2018, 98, .	4.7	28
7	Minimal two-component scalar doublet dark matter with radiative neutrino mass. Physical Review D, 2019, 100, .	4.7	27
8	Imprint of the Seesaw Mechanism on Feebly Interacting Dark Matter and the Baryon Asymmetry. Physical Review Letters, 2021, 127, 231801.	7.8	24
9	A4 realization of the inverse seesaw mechanism: Neutrino masses, $\tilde{\chi}_1^0$, and leptonic nonunitarity. Physical Review D, 2017, 96, .	4.7	22
10	Neutrino masses and deviation from tribimaximal mixing in $\tilde{\chi}_1^0$. mathvariant="normal"> $\tilde{\chi}_1^0$ stretchy="false"> $(\langle /mml:mo \rangle \langle mml:mn \rangle 27 \langle /mml:mn \rangle \langle mml:mo \rangle) Tj$ ETQq0 0 0 rgBT /Overlock 10 Tf 50 372 Td (stretchy="false"> 21	4.7	21
11	2016, 93, . Flavor origin of dark matter and its relation with leptonic nonzero $\tilde{\chi}_1^0$ and Dirac CP phase $\tilde{\chi}_1^0$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	21
12	Multicomponent dark matter in extended U(1) $\langle i \rangle B \langle /i \rangle \tilde{\chi}_1^0 \langle i \rangle L \langle /i \rangle \langle /sub \rangle$: neutrino mass and high scale validity. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 013-013.	5.4	19
13	Spontaneous symmetry breaking in the lepton sector: A common origin for $\tilde{\chi}_1^0$ and the Dirac CP phase. Unifying the flavor origin of dark matter with leptonic nonzero $\tilde{\chi}_1^0$ and leptogenesis.	4.7	18
14	display="inline"> $\langle mml:mi \rangle C \langle /mml:mi \rangle \langle mml:mi \rangle P \langle /mml:mi \rangle \langle /mml:math \rangle$ violation in lepton-sector? A common origin for $\tilde{\chi}_1^0$ and the Dirac CP phase. Unifying the flavor origin of dark matter with leptonic nonzero $\tilde{\chi}_1^0$ and leptogenesis.	4.7	17
15	Physical Review D, 2016, 93, .	4.7	17
16	Higgs vacuum stability and modified chaotic inflation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 244-250.	4.1	15
17	$\langle mml:math \rangle U \langle /mml:math \rangle \langle mml:mo \rangle$ no-scale supergravity. Physical Review D, 2019, 99, .	4.7	11
18	Sub-TeV singlet scalar dark matter and electroweak vacuum stability with vectorlike fermions. Physical Review D, 2020, 102, .	5.4	10
	Neutrino mass and asymmetric dark matter: study with inert Higgs doublet and high scale validity. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 037.	5.4	10

#	ARTICLE	IF	CITATIONS
19	SQCD inflation & SUSY breaking. <i>Journal of High Energy Physics</i> , 2009, 2009, 092-092.	4.7	9
20	Dark side of the seesaw. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	9
21	Two component singlet-triplet scalar dark matter and electroweak vacuum stability. <i>Physical Review D</i> , 2021, 103, .	4.7	9
22	Can inflation induce supersymmetry breaking in a metastable vacuum?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 660, 236-239.	4.1	8
23	Dark matter as a remnant of SQCD inflation. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	7
24	Two-component doublet-triplet scalar dark matter stabilizing the electroweak vacuum. <i>Physical Review D</i> , 2022, 105, .	4.7	6
25	Right-handed sneutrino inflation in supersymmetric ^B with inverse seesaw mechanism. <i>Physical Review D</i> , 2011, 84, .	4.7	5
26	Smooth hybrid inflation and nonthermal type II leptogenesis. <i>Physical Review D</i> , 2012, 86, .	4.7	5
27	Intermediate scale inflation and metastable supersymmetry breaking. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 671, 374-377.	4.1	3
28	Scalar triplet flavor leptogenesis with dark matter. <i>Physical Review D</i> , 2022, 105, .	4.7	3
29	A dynamic modification to sneutrino chaotic inflation. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	1
30	Flavored leptogenesis and neutrino mass with A4 symmetry. <i>Journal of High Energy Physics</i> , 2021, 2021, .	4.7	1
31	Connecting nonzero \hat{l}_{13} , Dirac CP phase and leptogenesis through spontaneous CP violation. <i>Journal of Physics: Conference Series</i> , 2017, 888, 012177.	0.4	0