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1. 学術論文(Original Papers)

番号(no.)	著者(authors)	題名(title)	学術誌名(journal)	巻・号(vol, no.)	ページ(pages)	発行年(date)
1	Tomohiro Matsuda, Seishi Enomoto	The exact WKB for cosmological particle production	Journal of High Energy Physics(JHEP)	3	90	2021
2	Tomohiro Matsuda, Seishi Enomoto	Baryogenesis from the Berry phase	Physical Review D (Phys.Rev.D)	D99(2019)3	36005	2019
3	Tomohiro Matsuda, Seishi Enomoto	Asymmetric preheating	International Journal of Modern Physics A (Int.J.Mod.Phys.)A	A 33 (2018) 25	1850146	2018
4	Tomohiro Matsuda, Seishi Enomoto	Particle production with left-right neutrino oscillations	Physical Review D (Phys.Rev.D)	D 93 (2016) 6	63504	2016
5	Tomohiro Matsuda, Kazunori Kohri, Chia-Min lin	What we can learn from the spectral index of the tensor mode	Physics Letters B (Phys.Lett.)B	B 755 (2016)	70-75	2016

6	Tomohiro Matsuda, Kazunori Kohri	Ambiguity in running spectral index with an extra light field during inflation	Journal of Cosmology and Particle Physics (JCAP)	02 (2015)	19	2015
7	Seishi Enomoto, Nobuhiro Maekawa, Tomohiro Matsuda	Preheating with higher dimensional interaction	Physical Review D (Phys.Rev.D)	D 91 (2015) 10	103504	2015
8	Seishi Enomoto, Satoshi Iida, Nobuhiro Maekawa, Tomohiro Matsuda	Beauty is more attractive: particle production and moduli trapping with higher dimensional interaction	Journal of High Energy Physics (JHEP)	1	141	2014
9	Tomohiro Matsuda, Kazunori Kohri, Chia-Min Lin	Scale-dependent CMB asymmetry from primordial configuration	Journal of Cosmology and Particle Physics (JCAP)	8	26	2014
10	Tomohiro Matsuda, Seishi Enomoto	Curvaton mechanism after multifield inflation	Physical Review D (Phys.Rev.D)	D87(2013)8	83513	2013
11	Tomohiro Matsuda, Kazunori Kohri, Chia-Min Lin	Delta-N Formalism for Curvaton with Modulated Decay	Journal of Cosmology and Particle Physics (JCAP)	6	9	2013
12	Tomohiro Matsuda, Kazunori Kohri, Seishi Enomoto	Modulated decay in the multi-component Universe	Journal of Cosmology and Particle Physics (JCAP)	8	47	2013

13	Tomohiro Matsuda	Particle production and dissipation caused by the Kaluza-Klein tower	Physical Review D (Phys.Rev.D)	D87(2013)2	26001	2013
14	Tomohiro Matsuda, Kazunori Kohri, Chia-Min lin	Primordial black holes from the inflating curvaton	Physical Review D (Phys.Rev.D)	D87(2013)10	103527	2013
15	Tomohiro Matsuda, Kazunori Kohri, Seishi Enomoto	Non-Gaussianity in the inflating curvaton	Physical Review D (Phys.Rev.D)	D 87 (2013) 12	123520	2013
16	Tomohiro Matsuda, Konstantinos Dimopoulos, Kazunori Kohri	The hybrid curvaton	Physical Review D (Phys.Rev.D)	D 85	123541	2012
17	T.Matsuda	Free light fields can change the predictions of hybrid inflation.	JCAP	4	20	2012
18	T. Matsuda, Konstantinos Dimopoulos, (Lancaster U.) , Kazunori Kohri, (KEK, Tsukuba & Sokendai, Tsukuba) , David H. Lyth, (Lancaster U.)	The inflating curvaton	JCAP	22	1203	2012
19	T.Matsuda	Casimir force for cosmological domain walls.	Phy.Rev.D	84	23501	2011

20	T.Matsuda	Spotted Inflation.	JCAP	36	1011	2011
21	T.Matsuda	Entropy production and curvature perturbation from dissipative curvatons.	JCAP	6	1009	2010
22	T.Matsuda	Aspects of warm-flat directions	International Journal Of Modern Physics A	25	4221-4237	2010
23	T.Matsuda	A New perspective on supersymmetric inflation	JCAP	11	22	2009
24	T.Matsuda	Delta-N formalism for the evolution of the curvature perturbations in generalized multi-field inflation	Phys.Lett.B	682	163-170	2009
25	T.Matsuda	Evolution of curvature perturbation in generalized gravity theories	Class.Quant.Grav.	26	145016	2009
26	T.Matsuda	Remote Inflation as hybrid-like sneutrino/MSSM inflation	Nucl.Phys.B	822	88-105	2009

27	T.Matsuda	Evolution of the curvature perturbations during warm inflation	JCAP	6	2	2009
28	T.Matsuda	Remote Inflation: Hybrid-like inflation without hybrid-type potential	JCAP	7	3	2009
29	T.Matsuda	Cosmological perturbations from an inhomogeneous phase transition	Class.Quant.Grav.	26	145011	2009
30	T.Matsuda	Primordial black holes from monopoles connected by strings	Astropart.Phys.	30	333-337	2009
31	T.Matsuda	Non-standard kinetic term as a natural source of non-Gaussianity	JHEP	10	89	2008
32	T.Matsuda	Modulated inflation from kinetic term	JCAP	5	22	2008
33	T.Matsuda	Running spectral index from shooting-star moduli	JHEP	2	99	2008

34	T.Matsuda	Modulated Inflation	Phys.Lett.B	665	338-343	2008
35	T.Matsuda	Hilltop curvatons	Phys.Lett.B	659	783-788	2008
36	T.Matsuda	Curvatons and inhomogeneous scenarios with deviation from slow-roll.	JCAP	12	1	2008
37	T.Matsuda	NO Curvatons or Hybrid Quintessential Inflation	JCAP	8	3	2007
38	T.Matsuda	Cosmological perturbations from inhomogeneous preheating and multi-field trapping	JHEP	7	35	2007
39	T.Matsuda	Generating curvature perturbations with MSSM flat directions	JCAP	6	29	2007
40	T.Matsuda	Generating the curvature perturbation with instant preheating	JCAP	3	3	2007

41	T.Matsuda	Brane inflation without slow-roll	JHEP	3	96	2007
42	T.Matsuda	Hybrid curvatons from broken symmetry	JHEP	9	27	2007
43	T.Matsuda	Dark matter production from cosmic necklaces	JCAP	4	5	2006
44	T.Matsuda	Elliptic Inflation: Generating the curvature perturbation without slow-roll	JCAP	9	3	2006
45	T.Matsuda	Primordial black holes from cosmic necklaces	JHEP	4	17	2006
46	T.Matsuda	Topological curvatons	Phys.Rev.D	72	123508	2005
47	T.Matsuda	Brane necklaces and brane coils	JHEP	5	15	2005

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2. 国際会議論文(Proceedings)

番号(no.)	著者(authors)	題名(title)	会議録名(proceedings)	ページ(pages)	開催地(venue)	開催期間(date)
1	T.Matsuda	Inflation, modulation and baryogenesis with warm directions	19th Workshop on General Relativity and Gravitation (JGRG 19)	arXiv:1001.1596	Tokyo	30 Nov - 4 Dec 2009
2	T.Matsuda	Modulated Inflation	16th International Conference on Supersymmetry and the Unification of Fundamental Interactions (SUSY08),	AIP Conf.Proc.1078:521-523,2009	Seoul	16-21 Jun 2008
3	T.Matsuda	Inhomogeneous preheating in multi-field models of cosmological perturbation	15th International Conference on Supersymmetry and the Unification of Fundamental Interactions (SUSY07),	954-957	Karlsruhe	26 Jul - 1 Aug 2007
4	T.Matsuda	PBH and DM from cosmic necklaces	15th Workshop on General Relativity and Gravitation (JGRG 15)	hep-ph/0601014	Tokyo	28 Nov - 2 Dec 2005

3. 著書・解説(Books and Reviews)

番号(no.)	著者(authors)	書名(title)	出版社(publisher)	発行年(date)	備考(remarks)

4. 特許(Patents)

番号(no.)	発明者名(inventor)	発明名称(invention)	出願／公開／登録番号	出願／公開／登録年

5. 学術講演・研究発表(Lectures)

番号(no.)	著者(authors)	題名(title)	講演集名(preprints)	ページ(pages)	開催地(venue)
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6. 報告(Reports)

番号(no.)	著者(authors)	題名(title)	報告書名(report)	巻・号(vol, no.)	ページ(pages)	発行年(date)
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7. 紀要(Bulletin)

番号(no.)	著者(authors)	題名(title)	紀要名(bulletin)	巻・号(vol, no.)	ページ(pages)	発行年(date)
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