

Titus K Mathew

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

359
citations

933447

10
h-index

839539

18
g-index

31
all docs

31
docs citations

31
times ranked

115
citing authors

#	ARTICLE	IF	CITATIONS
1	Bulk viscous matter and recent acceleration of the universe based on causal viscous theory. European Physical Journal C, 2017, 77, 1.	3.9	44
2	Bulk viscous matter and recent acceleration of the universe. European Physical Journal C, 2015, 75, 1.	3.9	39
3	Holographic equipartition and the maximization of entropy. Physical Review D, 2017, 96, .	4.7	34
4	Phase space analysis of bulk viscous matter dominated universe. Journal of High Energy Physics, 2016, 2016, 1.	4.7	25
5	INTERACTING MODIFIED HOLOGRAPHIC RICCI DARK ENERGY MODEL AND STATEFINDER DIAGNOSIS IN FLAT UNIVERSE. International Journal of Modern Physics D, 2014, 23, 1450024.	2.1	22
6	Entropy maximization in the emergent gravity paradigm. Physical Review D, 2019, 99, .	4.7	20
7	Cosmology and thermodynamics of FLRW universe with bulk viscous stiff fluid. European Physical Journal C, 2014, 74, 1.	3.9	19
8	Bayesian analysis of bulk viscous matter dominated universe. European Physical Journal C, 2018, 78, 1.	3.9	15
9	MODIFIED HOLOGRAPHIC RICCI DARK ENERGY MODEL AND STATEFINDER DIAGNOSIS IN FLAT UNIVERSE. International Journal of Modern Physics D, 2013, 22, 1350056.	2.1	14
10	Cosmological horizon entropy and generalized second law for flat Friedmann universe. European Physical Journal C, 2013, 73, 1.	3.9	12
11	Expansion law from first law of thermodynamics. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 042-042.	5.4	10
12	Holographic Ricci dark energy as running vacuum. Modern Physics Letters A, 2016, 31, 1650075.	1.2	9
13	Interacting holographic Ricci dark energy as running vacuum. International Journal of Modern Physics D, 2019, 28, 1950060.	2.1	9
14	Dynamical system analysis and thermal evolution of the causal dissipative model. Classical and Quantum Gravity, 2020, 37, 075007.	4.0	9
15	Tsallis holographic dark energy reconsidered. European Physical Journal C, 2022, 82, 1.	3.9	9
16	Entropy of holographic dark energy and the generalized second law. Classical and Quantum Gravity, 2014, 31, 185012.	4.0	8
17	Evolution of holographic dark energy with interaction term $Q = \alpha H \dot{\rho}_{de}$ and generalized second law. Pramana - Journal of Physics, 2016, 86, 701-712.	1.8	8
18	First law of thermodynamics and emergence of cosmic space in a non-flat universe. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 024-024.	5.4	8

#	ARTICLE	IF	CITATIONS
19	Bulk viscous Zelâ€™dovich fluid model and its asymptotic behavior. European Physical Journal C, 2016, 76, 1.	3.9	7
20	Does holographic equipartition demand a pure cosmological constant?. Modern Physics Letters A, 2020, 35, 2050334.	1.2	7
21	Emergence of cosmic space and its connection with thermodynamic principles. General Relativity and Gravitation, 2022, 54, .	2.0	6
22	A model of the late universe with viscous Zelâ€™dovich fluid and decaying vacuum. Astrophysics and Space Science, 2018, 363, 1.	1.4	4
23	Probing the dynamical system and thermal behaviors of the model, $\hat{\rho} = 0 + 3 \hat{\rho}^2 H^2 \Lambda_{0} + 3 \eta H^2$. Astrophysics and Space Science, 2019, 364, 1.	1.4	4
24	On the feasibility of truncated Israelâ€™Stewart model in the context of late acceleration. Classical and Quantum Gravity, 2021, 38, 145016.	4.0	4
25	Holographic dark energy and generalized second law. Modern Physics Letters A, 2014, 29, 1450023.	1.2	3
26	Bayesian analysis of running holographic Ricci dark energy. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5598-5606.	4.4	3
27	Emergence of space and expansion of Universe. Classical and Quantum Gravity, 2022, 39, 115012.	4.0	3
28	Running vacuum model versus $\hat{\rho}$ -CDM â€™ a Bayesian analysis. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5553-5559.	4.4	2
29	Evolution of non-interacting entropic dark energy and its phantom nature. Modern Physics Letters A, 2016, 31, 1650071.	1.2	1
30	Contrasting the bulk viscous model with the standard Λ CDM using Bayesian statistics. Astrophysics and Space Science, 2022, 367, .	1.4	1
31	Decaying vacuum and evolution from early inflation to late acceleration. Modern Physics Letters A, 2021, 36, 2150160.	1.2	0