

Soumya Chakrabarti

List of Publications by Year in descending order

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papers

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16
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109
citing authors

#	ARTICLE	IF	CITATIONS
1	On generalized theories of varying fine structure constant. Monthly Notices of the Royal Astronomical Society, 2022, 513, 1088-1104.	4.4	3
2	Screening mechanism and late-time cosmology: Role of a Chameleon Brans-Dicke scalar field. Monthly Notices of the Royal Astronomical Society, 2022, 514, 427-439.	4.4	6
3	Collapse of an axion scalar field. European Physical Journal C, 2021, 81, 1.	3.9	1
4	Cosmic variation of proton-to-electron mass ratio with an interacting Higgs scalar field. Monthly Notices of the Royal Astronomical Society, 2021, 506, 2518-2532.	4.4	3
5	Cosmic acceleration in an extended Brans-Dicke-Higgs theory. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1895-1907.	4.4	5
6	Reconstruction of $f(R)$ Lagrangian from a massive scalar field. General Relativity and Gravitation, 2020, 52, 1.	2.0	6
7	Exact solutions and accelerating universe in modified Brans-Dicke theories. European Physical Journal C, 2019, 79, 1.	3.9	13
8	Self similar collapse and the Raychaudhuri equation. European Physical Journal C, 2019, 79, 1.	3.9	3
9	Collapsing spherical star in Scalar-Einstein-Gauss-Bonnet gravity with a quadratic coupling. European Physical Journal C, 2018, 78, 1.	3.9	15
10	Scalar field collapse with an exponential potential. General Relativity and Gravitation, 2017, 49, 1.	2.0	7
11	Self-similar scalar field collapse. Physical Review D, 2017, 95, .	4.7	21
12	Scalar field collapse in a conformally flat spacetime. European Physical Journal C, 2017, 77, 1.	3.9	20
13	Some aspects of reconstruction using a scalar field in $f(T)$ gravity. European Physical Journal C, 2017, 77, 1.	3.9	23
14	Spherically symmetric collapse of a perfect fluid in $f(R)$ gravity. General Relativity and Gravitation, 2016, 48, 1.	2.0	19
15	Gravitational collapse in $f(R)$ gravity for a spherically symmetric spacetime admitting a homothetic Killing vector. European Physical Journal Plus, 2016, 131, 1.	2.6	13
16	Spherical collapse in vacuum $f(R)$ gravity. Astrophysics and Space Science, 2014, 354, 571-576.	1.4	13