

Susobhan Mandal

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

46
citations

1937685

4
h-index

1720034

7
g-index

14
all docs

14
docs citations

14
times ranked

12
citing authors

#	ARTICLE	IF	CITATIONS
1	The methods of thermal field theory for degenerate quantum plasmas in astrophysical compact objects. <i>Reviews of Modern Plasma Physics</i> , 2022, 6, 1.	4.1	4
2	Equation of states in the curved spacetime of spherical degenerate stars. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 026-026.	5.4	10
3	Solitons in a class of interacting scalar field theories without $SO(2)$ invariance. <i>International Journal of Modern Physics A</i> , 2021, 36, 2150076.	1.5	1
4	Characteristics of interaction between gravitons and photons. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	3
5	Neutrino oscillations in cosmological spacetime. <i>Nuclear Physics B</i> , 2021, 965, 115338.	2.5	6
6	Classification of quantum states based on the null energy condition. <i>Modern Physics Letters A</i> , 2021, 36, 2150183.	1.2	0
7	Solitons in curved spacetime. <i>Europhysics Letters</i> , 2021, 136, 11001.	2.0	6
8	Low-energy effective quantum field theoretic description of excitations about soliton configurations. <i>Annals of Physics</i> , 2021, , 168652.	2.8	0
9	Local description of S-matrix in quantum field theory in curved spacetime using Riemann-normal coordinate. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	3
10	Higher mass limits of neutron stars from the equation of states in curved spacetime. <i>Physical Review D</i> , 2021, 104, .	4.7	11
11	Existence of conserved quantities and their algebra in curved spacetime. <i>International Journal of Modern Physics A</i> , 2020, 35, 2050162.	1.5	0
12	Effect of torsion on the radiation fields in curved spacetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 810, 135778.	4.1	0
13	Revisiting Laws of Black Hole Mechanics and Violation of Null Energy Condition. <i>Journal of High Energy Physics Gravitation and Cosmology</i> , 2019, 05, 82-111.	0.6	2
14	Broken Charges Associated with Classical Spacetime Symmetries under Canonical Transformation in Real Scalar Field Theory. <i>Journal of High Energy Physics Gravitation and Cosmology</i> , 2019, 05, 167-180.	0.6	0