

# Susobhan Mandal

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4966698/publications.pdf>

Version: 2024-02-01

14  
papers

46  
citations

1937685

4  
h-index

1720034

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g-index

14  
all docs

14  
docs citations

14  
times ranked

12  
citing authors

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