

# Sunil Kumar Tripathy

## List of Publications by Year in descending order

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Version: 2024-02-01

67  
papers

1,526  
citations

304743

22  
h-index

345221

36  
g-index

67  
all docs

67  
docs citations

67  
times ranked

552  
citing authors

#	ARTICLE	IF	CITATIONS
1	Refractive indices of semiconductors from energy gaps. <i>Optical Materials</i> , 2015, 46, 240-246.	3.6	259
2	Optical and electronic properties of some semiconductors from energy gaps. <i>Optical Materials</i> , 2016, 53, 123-133.	3.6	57
3	A periodic varying deceleration parameter in $f(R, T)$ gravity. <i>Modern Physics Letters A</i> , 2018, 33, 1850193.	1.2	56
4	Anisotropic dark energy model with a hybrid scale factor. <i>Modern Physics Letters A</i> , 2015, 30, 1550175.	1.2	51
5	Kaluza-Klein cosmological model in $f(R, \hat{T})$ gravity with $\hat{b}(T)$ . <i>Indian Journal of Physics</i> , 2016, 90, 485-493.	1.8	50
6	Bulk viscous string cosmological models with electromagnetic field. <i>Astrophysics and Space Science</i> , 2009, 321, 247-252.	1.4	49
7	Cosmological models with a hybrid scale factor in an extended gravity theory. <i>Modern Physics Letters A</i> , 2018, 33, 1850052.	1.2	49
8	Dynamical system analysis for accelerating models in non-metricity $Q$ gravity. <i>Physics of the Dark Universe</i> , 2022, 36, 101020.	4.9	44
9	Anisotropic universe with cosmic strings and bulk viscosity. <i>Astrophysics and Space Science</i> , 2010, 325, 93-97.	1.4	41
10	Bianchi-V string cosmological model with dark energy anisotropy. <i>Astrophysics and Space Science</i> , 2018, 363, 1.	1.4	41
11	Bouncing scenario in $f(R, T)$ gravity. <i>Modern Physics Letters A</i> , 2020, 35, 2050095.	1.2	38
12	Anisotropic cosmological reconstruction in $f(R, T)$ gravity. <i>Modern Physics Letters A</i> , 2018, 33, 1850170.	1.2	34
13	Bouncing cosmology in an extended theory of gravity. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	32
14	Model parameters in the context of late time cosmic acceleration in $f(Q, T)$ gravity. <i>Physica Scripta</i> , 2021, 96, 105003.	2.5	32
15	Cosmic transit and anisotropic models in $f(R, T)$ gravity. <i>Chinese Journal of Physics</i> , 2017, 55, 862-869.	3.9	30
16	Late time acceleration and role of skewness in anisotropic models. <i>Astrophysics and Space Science</i> , 2014, 350, 367-374.	1.4	29
17	Anisotropic solutions in $f(R)$ gravity. <i>European Physical Journal Plus</i> , 2016, 131, 1.	2.6	29
18	Matter bounce scenario and the dynamical aspects in $Q$ gravity. <i>Physics of the Dark Universe</i> , 2021, 33, 100863.	4.9	27

#	ARTICLE	IF	CITATIONS
19	Modelling Casimir wormholes in extended gravity. <i>Physics of the Dark Universe</i> , 2021, 31, 100757.	4.9	26
20	Neutron-proton effective mass splitting and thermal evolution in neutron-rich matter. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2011, 38, 115104.	3.6	25
21	String cloud cosmologies for Bianchi type-III models with electromagnetic field. <i>Astrophysics and Space Science</i> , 2008, 315, 105-110.	1.4	24
22	Energy and Momentum of Bianchi Type VI <sub>h</sub> Universes. <i>Advances in High Energy Physics</i> , 2015, 2015, 1-8.	1.1	23
23	Dynamical features of an anisotropic cosmological model. <i>Indian Journal of Physics</i> , 2018, 92, 1199-1206.	1.8	23
24	Dynamical stability analysis of accelerating $f(T)$ gravity models. <i>European Physical Journal C</i> , 2022, 82, .	3.9	23
25	Rip cosmological models in extended symmetric teleparallel gravity. <i>Physics of the Dark Universe</i> , 2022, 35, 100925.	4.9	22
26	Massive String Cloud Cosmologies in Saez-Ballester Theory of Gravitation. <i>International Journal of Theoretical Physics</i> , 2009, 48, 213-225.	1.2	21
27	Proton radioactivity half-lives with Skyrme interactions. <i>European Physical Journal A</i> , 2012, 48, 1.	2.5	21
28	Wormhole solutions in $f(R)$ gravity. <i>International Journal of Modern Physics D</i> , 2021, 30, 2150061.	2.1	21
29	Bulk viscous barotropic magnetised string cosmological models. <i>Astrophysics and Space Science</i> , 2009, 323, 281-287.	1.4	20
30	Proton radioactivity with a Yukawa effective interaction. <i>European Physical Journal A</i> , 2011, 47, 1.	2.5	20
31	Bouncing universe models in an extended gravity theory. <i>Chinese Journal of Physics</i> , 2021, 71, 610-622.	3.9	19
32	Temperature dependence of the nuclear symmetry energy and equation of state of charge neutral $n$ - $p$ - $e$ + $1/4$ matter in beta equilibrium. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2009, 36, 125105.	3.6	18
33	Modeling of Accelerating Universe with Bulk Viscous Fluid in Bianchi V Space-Time. <i>Fortschritte Der Physik</i> , 2021, 69, 2100007.	4.4	18
34	Dynamics of anisotropic dark energy universe embedded in one-directional magnetized fluid. <i>International Journal of Modern Physics D</i> , 2019, 28, 1950093.	2.1	15
35	Two fluid anisotropic dark energy models in a scale invariant theory. <i>European Physical Journal Plus</i> , 2017, 132, 1.	2.6	14
36	Cosmological models with a hybrid scale factor. <i>International Journal of Modern Physics D</i> , 2021, 30, .	2.1	14

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37	Traversable wormhole models in $f(R)$ gravity. International Journal of Modern Physics A, 2022, 37, .	1.5	14
38	Accelerating models with a hybrid scale factor in extended gravity. Journal of Astrophysics and Astronomy, 2021, 42, 1.	1.0	13
39	String fluid cosmological models in general relativity. Astrophysics and Space Science, 2008, 318, 125-131.	1.4	12
40	Pressure anisotropy and dark energy models in scale invariant theory of gravitation. Astrophysics and Space Science, 2015, 356, 163-171.	1.4	12
41	Dynamics of an Anisotropic Universe in $f(R)$ gravity. International Journal of Theoretical Physics, 2010, 49, 2569-2581.	1.1	11
42	Axially magnetized dark energy cosmological model. Modern Physics Letters A, 2019, 34, 1950217.	1.2	11
43	Cosmological models with squared trace in modified gravity. International Journal of Modern Physics D, 2020, 29, 2050100.	2.1	11
44	Bulk Viscous Bianchi-III Models with Time Dependent $G$ and $\hat{\Lambda}$ . International Journal of Theoretical Physics, 2010, 49, 2569-2581.	1.2	10
45	Bianchi-I Universe with Decaying Vacuum Energy Density and Time Varying Gravitational Constant. International Journal of Theoretical Physics, 2013, 52, 4218-4228.	1.2	10
46	Cosmic transit models in an extended gravity theory. Physica Scripta, 2020, 95, 115001.	2.5	10
47	Cosmic acceleration and anisotropic models with magnetic field. European Physical Journal Plus, 2015, 130, 1.	2.6	9
48	Investigating the physical and geometrical parameters of the cosmological models with anisotropic background. Physica Scripta, 2020, 95, 095004.	2.5	8
49	Cosmological model with time varying deceleration parameter in $F(R, G)$ gravity. Physica Scripta, 2021, 96, 125039.	2.5	8
50	Bouncing scenario in Brans-Dicke theory. International Journal of Geometric Methods in Modern Physics, 2020, 17, 2050056.	2.0	7
51	Role of extended gravity theory in matter bounce dynamics. Physica Scripta, 2022, 97, 025002.	2.5	7
52	Dynamical features of $f(T, B)$ cosmology. Modern Physics Letters A, 2022, 37, .	1.2	7
53	Time dependent viscous string cloud cosmological models. Astrophysics and Space Science, 2009, 323, 91-96.	1.4	6
54	Anisotropic cosmological model with variable $G$ and $\hat{\Lambda}$ . Astrophysics and Space Science, 2012, 340, 211-215.	1.4	6

#	ARTICLE	IF	CITATIONS
55	Cosmological Models with Big Rip and Pseudo Rip Scenarios in Extended Theory of Gravity. Fortschritte Der Physik, 2021, 69, 2100086.	4.4	6
56	Nuclear symmetry energy and neutron skin thickness of $^{208}\text{Pb}$ using a finite range effective interaction. Physica Scripta, 2020, 95, 105301.	2.5	6
57	Stability analysis of two-fluid dark energy models. Physica Scripta, 2021, 96, 045006.	2.5	5
58	Magnetized cosmological model with variable deceleration parameter. International Journal of Modern Physics D, 2020, 29, 2050091.	2.1	5
59	Bianchi type-VI <sub>h</sub> string cloud cosmological models with bulk viscosity. Astrophysics and Space Science, 2010, 330, 191-201.	1.4	3
60	An effective Nuclear Model: from Nuclear Matter to Finite Nuclei. Journal of Physics: Conference Series, 2013, 420, 012114.	0.4	3
61	Viscous fluid accelerating model in modified gravity. International Journal of Geometric Methods in Modern Physics, 2022, 19, .	2.0	3
62	Tryon's Conjecture and Energy and Momentum of Bianchi Type Universes. Advances in High Energy Physics, 2016, 2016, 1-9.	1.1	2
63	Density dependence of nuclear symmetry energy. Modern Physics Letters A, 2016, 31, 1650194.	1.2	2
64	Production of D-mesons in p + p and p + Pb collisions at LHC energies. International Journal of Modern Physics E, 2016, 25, 1650092.	1.0	2
65	Big Rip Scenario in Brans-Dicke Theory. Foundations, 2022, 2, 128-139.	1.3	2
66	Nuclear symmetry energy parameters from neutron skin thickness in $^{208}\text{Pb}$ and electric dipole polarizability in $^{68}\text{Ni}$ , $^{120}\text{Sn}$ and $^{208}\text{Pb}$ . Physica Scripta, 2021, 96, 035302.	2.5	0
67	Dynamics of quasi-de Sitter and linear combination of exponential models in extended gravity. International Journal of Geometric Methods in Modern Physics, 2021, 18, 2150168.	2.0	0