Ujjal Debnath

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Effects of thermal fluctuations on the thermodynamics of modified Hayward black hole. European Physical Journal C, 2016, 76, 1.	3.9	100
2	Variable modified Chaplygin gas and acceleratingÂuniverse. Astrophysics and Space Science, 2007, 312, 295-299.	1.4	57
3	Accretion of new variable modified Chaplygin gas and generalized cosmic Chaplygin gas onto Schwarzschild and Kerrâ€“Newman black holes. European Physical Journal C, 2012, 72, 1.	3.9	50
4	Accretion and evaporation of modified Hayward black hole. European Physical Journal C, 2015, 75, 1.	3.9	50
5	Correspondence between DBI-essence and modified Chaplygin gas and the generalized second law of thermodynamics. Astrophysics and Space Science, 2011, 335, 545-552.	1.4	42
6	FRW Cosmology with Variable G and Î›. International Journal of Theoretical Physics, 2011, 50, 1602-1613.	1.2	39
7	Role of Brans-Dicke Theory withÂorÂwithoutÂSelf-Interacting Potential inÂCosmicÂAcceleration. International Journal of Theoretical Physics, 2009, 48, 232-247.	1.2	37
8	Interacting modified Chaplygin gas in loop quantum cosmology. Astrophysics and Space Science, 2011, 333, 3-8.	1.4	36
9	Study of anisotropic compact stars with quintessence field and modified chaplygin gas in f(T) gravity. European Physical Journal C, 2019, 79, 1.	3.9	36
10	Dynamics of interacting phantom and quintessence dark energies. Astrophysics and Space Science, 2011, 334, 243-248.	1.4	35
11	Fractional Action Cosmology: Emergent, Logamediate, Intermediate, Power Law Scenarios of the Universe and Generalized Second Law of Thermodynamics. International Journal of Theoretical Physics, 2012, 51, 812-837.	1.2	35
12	Generalized second law of thermodynamics for FRW cosmology with power-law entropy correction. European Physical Journal C, 2012, 72, 1.	3.9	33
13	Holographic dark energy scenario and variable modified Chaplygin gas. Astrophysics and Space Science, 2009, 319, 183-185.	1.4	30
14	Observational constraints of modified Chaplygin gas in loop quantum cosmology. European Physical Journal C, 2012, 72, 1.	3.9	30
15	Tsallis, RÃ©nyi and Sharma-Mittal holographic and new agegraphic dark energy models in D-dimensional fractal universe. European Physical Journal Plus, 2019, 134, 1.	2.6	28
16	Study on Anisotropic Strange Stars in

 f
 (
 T
 ,
) Tj ETQq0 0 0 rgBT /Overlock | 2.5 | 27 |
| 17 | SPACETIME CURVATURE COUPLING OF SPINORS IN EARLY UNIVERSE: NEUTRINO ASYMMETRY AND A POSSIBLE SOURCE OF BARYOGENESIS. Modern Physics Letters A, 2006, 21, 399-408. | 1.2 | 26 |
| 18 | Dynamics of modified Chaplygin gas in brane world scenario: phase plane analysis. Astrophysics and Space Science, 2012, 339, 53-64. | 1.4 | 26 |

#	Article	IF	Citations
19	Fractional action cosmology: some dark energy models in emergent, logamediate, and intermediate scenarios of the universe. Journal of Theoretical and Applied Physics, 2013, 7, 1.	1.4	26
20	Charge gravastars in f(T) modified gravity. European Physical Journal C, 2019, 79, 1.	3.9	25
21	Gravitational collapse in generalized Vaidya space-time for Lovelock gravity theory. Astrophysics and Space Science, 2011, 335, 505-513.	1.4	23
22	Charged gravastars in Rastall-Rainbow gravity. European Physical Journal Plus, 2021, 136, 1.	2.6	21
23	Acceleration of the Universe in presence of tachyonic field. Astrophysics and Space Science, 2008, 314, 41-44.	1.4	20
24	Statefinder and Om Diagnostics for Interacting New Holographic Dark Energy Model and Generalized Second Law of Thermodynamics. International Journal of Theoretical Physics, 2013, 52, 1250-1264.	1.2	19
25	Gravitational collapse in Husain space-time for Brans-Dicke gravity theory with power-law potential. Astrophysics and Space Science, 2014, 354, 597-606.	1.4	19
26	Particle Acceleration in Rotating Modified Hayward and Bardeen Black Holes. Gravitation and Cosmology, 2019, 25, 196-204.	1.1	19
27	GRAVITATIONAL COLLAPSE DUE TO DARK MATTER AND DARK ENERGY IN THE BRANEWORLD SCENARIO. International Journal of Modern Physics D, 2006, 15, 1225-1236.	2.1	18
28	Bransâ€“Dicke theory and thermodynamical laws on apparent and event horizons. Canadian Journal of Physics, 2011, 89, 883-889.	1.1	18
29	Presence of dark energy and dark matter: does cosmic acceleration signifies a weak gravitational collapse?. Astrophysics and Space Science, 2012, 342, 557-574.	1.4	18
30	Junction conditions and consequences of quasi-spherical space-time with electro-magnetic field and Vaidya metric. Astrophysics and Space Science, 2008, 313, 431-436.	1.4	17
31	Accelerating Universe with a Special Form ofÂDecelerating Parameter. International Journal of Theoretical Physics, 2009, 48, 351-356.	1.2	17
32	Role of Modified Chaplygin Gas as an Unified Dark Matter-Dark Energy Model in Collapsing Spherically Symmetric Dust Cloud. International Journal of Theoretical Physics, 2008, 47, 2663-2671.	1.2	16
33	Nature of singularity formed by the gravitational collapse in Husain space-time with electromagnetic field and scalar field. Astrophysics and Space Science, 2012, 339, 135-141.	1.4	15
34	IS MODIFIED CHAPLYGIN GAS ALONG WITH BAROTROPIC FLUID RESPONSIBLE FOR ACCELERATION OF THE UNIVERSE?. Modern Physics Letters A, 2007, 22, 1805-1812.	1.2	14
35	Correspondence Between Ricci and Other Dark Energies. International Journal of Theoretical Physics, 2011, 50, 315-324.	1.2	14
36	Emergent Universe with Exotic Matter in Brane World Scenario. International Journal of Theoretical Physics, 2011, 50, 2892-2898.	1.2	14

#	Article	IF	Citations
37	Accretions of dark matter and dark energy onto (n + 2 $n+2$)-dimensional Schwarzschild black hole and Morris-Thorne wormhole. Astrophysics and Space Science, 2015, 360, 1.	1.4	14
38	Reconstructions of f(T) gravity from entropy-corrected holographic and new agegraphic dark energy models in power-law and logarithmic versions. European Physical Journal C, 2016, 76, 1.	3.9	14
39	Thermodynamic black hole with modified Chaplygin gas as a heat engine. European Physical Journal Plus, 2020, 135, 1.	2.6	14
40	Accretion of dark energy onto higher dimensional charged BTZ black hole. European Physical Journal C, 2015, 75, 1.	3.9	13
41	Entropy bound of horizons for accelerating, rotating and charged Plebanskiâ€“Demianski black hole. Annals of Physics, 2016, 372, 449-456.	2.8	13
42	Gravitational collapse in higher dimensional Husain spaceâ€“time. General Relativity and Gravitation, 2008, 40, 749-763.	2.0	12
43	Role of chameleon field in accelerating Universe. Astrophysics and Space Science, 2010, 326, 53-60.	1.4	12
44	Statefinder Parameters for Different Dark Energy Models with Variable G Correction in Kaluza-Klein Cosmology. International Journal of Theoretical Physics, 2012, 51, 2246-2255.	1.2	12
45	A Dark Energy Model with Generalized Uncertainty Principle in the Emergent, Intermediate and Logamediate Scenarios of the Universe. International Journal of Theoretical Physics, 2012, 51, 589-603.	1.2	11
46	Holographic dark energy interacting with two fluids and validity of generalized second law of thermodynamics. Astrophysics and Space Science, 2012, 337, 503-508.	1.4	11
47	Statefinder parameter for varying G in three fluid system. Astrophysics and Space Science, 2012, 337, 799-803.	1.4	11
48	Gravitational collapse in Vaidya spaceâ€“time for Galileon gravity theory. Canadian Journal of Physics, 2014, 92, 1474-1480.	1.1	11
49	Reconstructing f(R), f(G), f(T), and Einstein-Aether gravities from entropy-corrected (m,n) type pilgrim dark energy. Astrophysics and Space Science, 2015, 355, 405-411.	1.4	11
50	Interaction between phantom field and modified Chaplygin gas. Astrophysics and Space Science, 2010, 326, 155-158.	1.4	10
51	THERMODYNAMICAL LAWS IN HOÅ˜AVAâ€“LIFSHITZ GRAVITY. International Journal of Modern Physics D, 2011, 20, 1191-1204.	2.1	10
52	Validity of the Generalized Second Law of Thermodynamics in the Logamediate and Intermediate Scenarios of the Universe. Foundations of Physics, 2012, 42, 266-283.	1.3	10
53	Correspondence between fermionic field and other dark energies. Astrophysics and Space Science, 2013, 345, 399-403.	1.4	10
54	Thermodynamics of FRW Universe: Heat engine. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 810, 135807.	4.1	10

#	ARTICLE	IF	CITATIONS
55	GENERALIZED SECOND LAW OF THERMODYNAMICS IN THE PRESENCE OF INTERACTING DBI-ESSENCE AND OTHER DARK ENERGIES. International Journal of Modern Physics A, 2010, 25, 5557-5566.	1.5	9
56	Generalized second law of thermodynamics for non-canonical scalar field model with corrected-entropy. European Physical Journal C, 2015, 75, 1.	3.9	9
57	Interaction Between DBI-Essence and Other Dark Energies. International Journal of Theoretical Physics, 2010, 49, 1465-1480.	1.2	8
58	Higher Dimensional Cosmology withÂNormalÂScalarÂField and Tachyonic Field. International Journal of Theoretical Physics, 2010, 49, 1693-1698.	1.2	8
59	Thermodynamics in quasi-spherical Szekeres space-time. Europhysics Letters, 2011, 94, 29001.	2.0	8
60	Dilaton Dark Energy Model in f(R), f(T) and HoÅ™ava-Lifshitz Gravities. International Journal of Theoretical Physics, 2012, 51, 405-417.	1.2	8
61	Thermodynamics of Modified Chaplygin Gas and Tachyonic Field. International Journal of Theoretical Physics, 2012, 51, 565-576.	1.2	8
62	Accretions of various types of dark energies onto Morrisâ€"Thorne wormhole. European Physical Journal C, 2014, 74, 1.	3.9	8
63	Co-Existence of Modified Chaplygin Gas and Other Dark Energies in the Framework of Fractal Universe. International Journal of Theoretical Physics, 2016, 55, 2668-2681.	1.2	8
64	Constraining redshift parametrization parameters of dark energy: loop quantum gravity as back ground. European Physical Journal C, 2013, 73, 1.	3.9	7
65	Correspondence of F-essence with Chaplygin gas cosmology. European Physical Journal Plus, 2014, 129, 1.	2.6	7
66	Parametrizations of dark energy models in the background of general non-canonical scalar field in D-dimensional fractal universe. European Physical Journal C, 2019, 79, 1.	3.9	7
67	Accretion of Some Classes of Holographic DE onto Higher-Dimensional Schwarzschild Black Holes. Gravitation and Cosmology, 2020, 26, 75-81.	1.1	7
68	Gravitational waves for variable modified Chaplygin gas and some parametrizations of dark energy in the background of FRW universe. European Physical Journal Plus, 2020, 135, 1.	2.6	7
69	Emergent Scenario in Anisotropic Universe. International Journal of Theoretical Physics, 2011, 50, 80-87.	1.2	6
70	Constraining parameters of generalized cosmic Chaplygin gas in loop quantum cosmology. Astrophysics and Space Science, 2014, 354, 651-665.	1.4	6
71	Study of QCD generalized ghost dark energy in FRW universe. European Physical Journal C, 2019, 79, 1.	3.9	6
72	Bouncing cosmology for entropy corrected models in HoÅ™avaâ€"Lifshitz gravity and fractal universe. European Physical Journal Plus, 2020, 135, 1.	2.6	6

#	Article	IF	Citations
73	Reconstruction of extended <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e2072" altimg="si167.svg"><mml:mrow><mml:mi>f</mml:mi><mml:mrow><mml:mo>(</mml:mo><mml:mi) Tj ETQq1 1 0.784314 rg BT /Overl gravity from other modified gravity models. Physics of the Dark Universe, 2022, 35, 100926.	[illegible]	5
74	Brans-Dicke theory in anisotropic models with a viscous fluid. Gravitation and Cosmology, 2011, 17, 280-283.	1.1	5
75	Validity of Thermodynamical Laws in Dark Energy Filled Universe. International Journal of Theoretical Physics, 2011, 50, 525-536.	1.2	5
76	Dynamics of Logamediate and Intermediate Scenarios inÂtheÂDark Energy Filled Universe. International Journal of Theoretical Physics, 2011, 50, 799-832.	1.2	5
77	Dynamical study of DBI-essence in loop quantum cosmology and brane world. European Physical Journal C, 2012, 72, 1.	3.9	5
78	Reconstruction of Potentials as Well as Dynamics of Scalar Fields in DGP Braneworld Model. International Journal of Theoretical Physics, 2012, 51, 639-651.	1.2	5
79	Observational study of higher dimensional magnetic universe in non-linear electrodynamics. Astrophysics and Space Science, 2013, 346, 291-299.	1.4	5
80	Reconstructions of scalar field dark energy models from new holographic dark energy in Galileon universe. European Physical Journal Plus, 2014, 129, 1.	2.6	5
81	Reconstruction of f(G) gravity with ordinary and entropy-corrected (m,n)-type holographic dark energy model. European Physical Journal Plus, 2014, 129, 1.	2.6	5
82	Thermodynamics of Evolving Lorentzian Wormhole at Apparent and Event Horizons. International Journal of Theoretical Physics, 2014, 53, 4083-4094.	1.2	5
83	Constructions of f(R,G,?) gravity from some expansions of the Universe. International Journal of Modern Physics A, 2020, 35, 2050203.	1.5	5
84	Fluid accretion upon higher-dimensional wormhole and black hole for parameterized deceleration parameter. International Journal of Geometric Methods in Modern Physics, 2022, 19, .	2.0	5
85	THE EFFECT OF PRESSURE IN HIGHER DIMENSIONAL QUASI-SPHERICAL GRAVITATIONAL COLLAPSE. International Journal of Modern Physics D, 2007, 16, 833-846.	2.1	4
86	Effect of dynamical cosmological constant in presence of modified Chaplygin gas for accelerating universe. Astrophysics and Space Science, 2008, 313, 409-417.	1.4	4
87	Study of Thermodynamics in Generalized Holographic and Ricci Dark Energy Models. International Journal of Theoretical Physics, 2012, 51, 577-588.	1.2	4
88	Observational constraints of homogeneous higher-dimensional cosmology with modified Chaplygin gas. European Physical Journal Plus, 2013, 128, 1.	2.6	4
89	Constraining the Parameters of Modified Chaplygin Gas in Einstein-Aether Gravity. Advances in High Energy Physics, 2014, 2014, 1-8.	1.1	4
90	Reconstruction of the Einstein-Aether gravity from other modified gravity models. European Physical Journal Plus, 2014, 129, 1.	2.6	4

#	Article	IF	Citations
91	Generalized Second Law of Thermodynamics of Evolving Wormhole with Entropy Corrections. International Journal of Theoretical Physics, 2015, 54, 1750-1761.	1.2	4
92	Observational Constraints of Red-shift Parametrization Parameters of Dark Energy in Horava-Lifshitz Gravity. International Journal of Theoretical Physics, 2015, 54, 341-357.	1.2	4
93	Study of Entropy-corrected Logarithmic and Power-law Versions of Pilgrim Dark Energy. International Journal of Theoretical Physics, 2016, 55, 1285-1299.	1.2	4
94	Correspondence of F-Essence with Holographic and New Agegraphic Dark Energy Models. International Journal of Theoretical Physics, 2016, 55, 698-705.	1.2	4
95	Bouncing universe in the contexts of generalized cosmic Chaplygin gas and variable modified Chaplygin gas. Canadian Journal of Physics, 2019, 97, 286-296.	1.1	4
96	Nature of Higher-Dimensional Wormhole Mass Due to Accretion of Entropy Corrected Holographic and New Agegraphic Dark Energies. Gravitation and Cosmology, 2020, 26, 285-295.	1.1	4
97	Roles of modified Chaplyginâ€“Jacobi and Chaplyginâ€“Abel gases in FRW universe. International Journal of Modern Physics A, 2021, 36, .	1.5	4
98	Reconstruction of DBI-essence dark energy with <i>f</i>(<i>R</i>) gravity and its effect on black hole and wormhole mass accretion. Modern Physics Letters A, 2021, 36, .	1.2	4
99	Modified cosmic Chaplygin AdS black hole. Modern Physics Letters A, 2022, 37, .	1.2	4
100	Role of a tachyonic field in accelerating the Universe inÂtheÂpresence of aÂperfect fluid. Astrophysics and Space Science, 2008, 315, 73-78.	1.4	3
101	Effect of modified Chaplygin gas in anisotropic universe. Astrophysics and Space Science, 2009, 321, 53-56.	1.4	3
102	The Effects of Tachyonic and Phantom Fields in the Intermediate and Logamediate Scenarios of the Anisotropic Universe. International Journal of Theoretical Physics, 2012, 51, 1224-1238.	1.2	3
103	Dynamical System Analysis for Anisotropic Universe in Brans-Dicke Theory. International Journal of Theoretical Physics, 2013, 52, 3353-3365.	1.2	3
104	Thermodynamics in Higher Dimensional Vaidya Space-Time. International Journal of Theoretical Physics, 2014, 53, 2108-2117.	1.2	3
105	Observational Constraints of Modified Chaplygin Gas in Chern-Simons Gravity. International Journal of Theoretical Physics, 2015, 54, 22-35.	1.2	3
106	Accelerating Universe in Brans-Dicke Theory in Presence of Chaplygin Gas. International Journal of Theoretical Physics, 2011, 50, 1536-1542.	1.2	2
107	Study of Thermodynamic Quantities in Generalized Gravity Theories. International Journal of Theoretical Physics, 2012, 51, 3168-3185.	1.2	2
108	Higher Dimensional Cosmology with Some Dark Energy Models in Emergent, Logamediate and Intermediate Scenarios of the Universe. International Journal of Theoretical Physics, 2012, 51, 2180-2207.	1.2	2

#	ARTICLE	IF	CITATIONS
109	Variable Modified Chaplygin Gas in Anisotropic Universe with Kaluza-Klein Metric. International Journal of Theoretical Physics, 2013, 52, 862-876.	1.2	2
110	New Holographic Dark Energy in Chern-Simons Gravity and Cosmography. International Journal of Theoretical Physics, 2014, 53, 4275-4290.	1.2	2
111	Correspondence between Generalized Dark Energy and Scalar Field Dark Energies. International Journal of Theoretical Physics, 2015, 54, 2240-2254.	1.2	2
112	Dynamical System Analysis of Interacting Hessence Dark Energy in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>T</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 612 Td (stretchy="false">)</mml:m	1.1	2
113	Collision of particles near charged MSW black hole in 2 + 1 dimensions. Modern Physics Letters A, 2019, 34, 1950127.	1.2	2
114	Accretions of Tsallis, RÃ©nyi and Sharmaâ€“Mittal dark energies onto higher-dimensional Schwarzschild black hole and Morrisâ€“Thorne wormhole. Modern Physics Letters A, 2021, 36, 2150081.	1.2	2
115	Statefinder description of a cosmological model based onÂaÂmixture of five fluids. Astrophysics and Space Science, 2009, 324, 61-66.	1.4	1
116	Interaction Between Tachyon and Hessence (or Hantom) Dark Energies. International Journal of Theoretical Physics, 2011, 50, 3166-3175.	1.2	1
117	Role of a chameleon field in the presence of variable modified Chaplygin gas in Bransâ€“Dicke theory. Canadian Journal of Physics, 2012, 90, 131-135.	1.1	1
118	Natures of Statefinder Parameters and Om Diagnostic for Cardassian Universe in HoÅ™ava-Lifshitz Gravity. International Journal of Theoretical Physics, 2012, 51, 3701-3720.	1.2	1
119	Roles of Different Forms of Scale Factor in Non-linear Electrodynamics for Accelerating Universe. International Journal of Theoretical Physics, 2013, 52, 2485-2495.	1.2	1
120	Constraining the Parameters of New Variable Modified Chaplygin Gas Model. International Journal of Theoretical Physics, 2014, 53, 1821-1831.	1.2	1
121	Thermodynamic study of non-linear electrodynamics in loop quantum cosmology. Astrophysics and Space Science, 2014, 350, 813-819.	1.4	1
122	Correspondence Between Einstein-Aether Gravity and Scalar Field Dark Energies. International Journal of Theoretical Physics, 2015, 54, 2150-2169.	1.2	1
123	Parameterizing Dark Energy Models and Study of Finite Time Future Singularities. Advances in High Energy Physics, 2019, 2019, 1-12.	1.1	1
124	Reconstructions of f(P) gravity from (m,n) type ordinary and entropy-corrected holographic and Pilgrim dark energy models. International Journal of Modern Physics A, 0, , .	1.5	1
125	Scalar field cosmology with polytropic and causalÂviscous fluids. Astrophysics and Space Science, 2008, 314, 347-350.	1.4	0
126	Generalized Second Law of Thermodynamics in Emergent Universe. International Journal of Theoretical Physics, 2011, 50, 3415-3420.	1.2	0

#	Article	IF	Citations
127	Statefinder Description in Generalized Holographic and Ricci Dark Energy Models. International Journal of Theoretical Physics, 2012, 51, 1155-1172.	1.2	0
128	Some features of new holographic dark energy model in HoÅ™ava-Lifshitz gravity. Astrophysics and Space Science, 2012, 339, 65-78.	1.4	0
129	Role of Entropy-Corrected New Agegraphic Dark Energy in HoÅ™ava-Lifshitz Gravity. International Journal of Theoretical Physics, 2013, 52, 654-667.	1.2	0
130	Reconstructions of Einstein-Aether Gravity from Ordinary and Entropy-Corrected Versions of Holographic and New Agegraphic Dark Energy Models. Advances in High Energy Physics, 2014, 2014, 1-10.	1.1	0
131	A Note on Equivalence Among Various Scalar Field Models of Dark Energies. International Journal of Theoretical Physics, 2017, 56, 2413-2422.	1.2	0
132	Analysing Hessence Intermediate and Logamediate Universe in Loop Quantum Cosmological Background. International Journal of Theoretical Physics, 2017, 56, 1771-1783.	1.2	0
133	Analysis of interacting entropy-corrected holographic and new agegraphic dark energies. International Journal of Modern Physics D, 2018, 27, 1850035.	2.1	0
134	Study of Schwarzschild-like black hole in the infinitely extended particles theory: Shadow. International Journal of Modern Physics A, 2022, 37, .	1.5	0
135	Cosmological analysis of noninteracting and interacting generalized ghost dark energy in Einsteinâ€"Aether gravity theory. International Journal of Modern Physics A, 2022, 37, .	1.5	0
136	Destroying Kerrâ€"Newman-Nut-Quintessence black hole. Modern Physics Letters A, 2022, 37, .	1.2	0
137	Constructions of entropy and modified Friedmann equations in gravity theories. International Journal of Geometric Methods in Modern Physics, 0, , .	2.0	0
138	Gravitational lensing by some parametrizations of dark energy in the universe. International Journal of Modern Physics A, 2022, 37, .	1.5	0
139	Thermodynamics of Powerâ€"Maxwell charged AdS black holes with quintessence in Rastall gravity: Heat engine. International Journal of Modern Physics A, 2022, 37, .	1.5	0