

Surajit Chattopadhyay

List of Publications by Citations

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182
papers

1,969
citations

23
h-index

33
g-index

199
ext. papers

2,326
ext. citations

1.9
avg, IF

5.74
L-index

#	Paper	IF	Citations
182	Single hidden layer artificial neural network models versus multiple linear regression model in forecasting the time series of total ozone. <i>International Journal of Environmental Science and Technology</i> , 2007 , 4, 141-149	3.3	73
181	Feed forward Artificial Neural Network model to predict the average summer-monsoon rainfall in India. <i>Acta Geophysica</i> , 2007 , 55, 369-382	2.2	63
180	EMERGENT UNIVERSE IN THE CHAMELEON, $f(R)$ AND $f(T)$ GRAVITY THEORIES. <i>International Journal of Modern Physics D</i> , 2011 , 20, 1135-1152	2.2	55
179	Reconstruction of $f(G)$ gravity with the new agegraphic dark-energy model. <i>European Physical Journal Plus</i> , 2013 , 128, 1	3.1	52
178	Correspondence between $f(G)$ gravity and holographic dark energy via power-law solution. <i>Astrophysics and Space Science</i> , 2013 , 344, 489-494	1.6	51
177	Univariate modelling of summer-monsoon rainfall time series: Comparison between ARIMA and ARNN. <i>Comptes Rendus - Geoscience</i> , 2010 , 342, 100-107	1.4	51
176	Reconstruction of $f(T)$ gravity from the Holographic Dark Energy. <i>Astrophysics and Space Science</i> , 2013 , 344, 269-274	1.6	48
175	On the bias correction of general circulation model output for Indian summer monsoon. <i>Meteorological Applications</i> , 2013 , 20, 349-356	2.1	46
174	Pilgrim dark energy in $f(T, T, G)$ cosmology. <i>Astrophysics and Space Science</i> , 2014 , 353, 279-292	1.6	45
173	Identification of trends in rainfall, rainy days and 24h maximum rainfall over subtropical Assam in Northeast India. <i>Comptes Rendus - Geoscience</i> , 2012 , 344, 1-13	1.4	41
172	Univariate modelling of monthly maximum temperature time series over northeast India: neural network versus Yule-Walker equation based approach. <i>Meteorological Applications</i> , 2011 , 18, 70-82	2.1	38
171	Comparative study among different neural net learning algorithms applied to rainfall time series. <i>Meteorological Applications</i> , 2008 , 15, 273-280	2.1	37
170	Mann-Whitney trend analysis of tropospheric ozone and its modeling using ARIMA. <i>Theoretical and Applied Climatology</i> , 2012 , 110, 321-328	3	35
169	A holographic reconstruction of the modified $f(R)$ Horava-Lifshitz gravity with scale factor in power-law form. <i>Astrophysics and Space Science</i> , 2013 , 346, 273-278	1.6	31
168	New holographic reconstruction of scalar-field dark-energy models in the framework of chameleon Brans-Dicke cosmology. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	31
167	Autoregressive forecast of monthly total ozone concentration: A neurocomputing approach. <i>Computers and Geosciences</i> , 2009 , 35, 1925-1932	4.5	31
166	Artificial neural network with backpropagation learning to predict mean monthly total ozone in Arosa, Switzerland. <i>International Journal of Remote Sensing</i> , 2007 , 28, 4471-4482	3.1	31

165	Identification of the best hidden layer size for three-layered neural net in predicting monsoon rainfall in India. <i>Journal of Hydroinformatics</i> , 2008 , 10, 181-188	2.6	29
164	Holographic dark energy reconstruction in $f(T, \mathcal{H})$ gravity. <i>Astrophysics and Space Science</i> , 2015 , 358, 1	1.6	28
163	Generalized second law of thermodynamics for FRW cosmology with power-law entropy correction. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	27
162	Holographic reconstruction of $f(G)$ gravity for scale factors pertaining to emergent, logamediate and intermediate scenarios. <i>European Physical Journal Plus</i> , 2013 , 128, 1	3.1	27
161	A reconstruction of modified holographic Ricci dark energy in $f(R, T)$ gravity. <i>Canadian Journal of Physics</i> , 2013 , 91, 632-638	1.1	26
160	Generalized second law of thermodynamics in the emergent universe for some viable models of $f(T)$ gravity. <i>European Physical Journal Plus</i> , 2013 , 128, 1	3.1	23
159	Holographic dark energy scenario and variable modified Chaplygin gas. <i>Astrophysics and Space Science</i> , 2009 , 319, 183-185	1.6	23
158	A probe into the chaotic nature of total ozone time series by correlation dimension method. <i>Soft Computing</i> , 2008 , 12, 1007-1012	3.5	23
157	Tunneling current at the interface of silicon and silicon dioxide partly embedded with silicon nanocrystals in metal oxide semiconductor structures. <i>Journal of Applied Physics</i> , 2007 , 101, 024315	2.5	22
156	A neurocomputing approach to predict monsoon rainfall in monthly scale using SST anomaly as a predictor. <i>Acta Geophysica</i> , 2012 , 60, 260-279	2.2	21
155	Fractional Action Cosmology: Emergent, Logamediate, Intermediate, Power Law Scenarios of the Universe and Generalized Second Law of Thermodynamics. <i>International Journal of Theoretical Physics</i> , 2012 , 51, 812-837	1.1	20
154	Trend estimation and univariate forecast of the sunspot numbers: Development and comparison of ARMA, ARIMA and Autoregressive Neural Network models. <i>Comptes Rendus - Geoscience</i> , 2011 , 343, 433-442	1.4	20
153	Acceleration of the Universe in presence of tachyonic field. <i>Astrophysics and Space Science</i> , 2008 , 314, 41-44	1.6	18
152	Influence of climate on incidences of malaria in the Thar Desert, northwest India. <i>International Journal of Climatology</i> , 2013 , 33, 312-325	3.5	17
151	Statefinder and Om Diagnostics for Interacting New Holographic Dark Energy Model and Generalized Second Law of Thermodynamics. <i>International Journal of Theoretical Physics</i> , 2013 , 52, 1250-1264	1.1	17
150	Modeling and Prediction of Monthly Total Ozone Concentrations by Use of an Artificial Neural Network Based on Principal Component Analysis. <i>Pure and Applied Geophysics</i> , 2012 , 169, 1891-1908	2.2	17
149	Multivariate forecast of winter monsoon rainfall in India using SST anomaly as a predictor: Neurocomputing and statistical approaches. <i>Comptes Rendus - Geoscience</i> , 2010 , 342, 755-765	1.4	17
148	MLP based predictive model for surface ozone concentration over an urban area in the Gangetic West Bengal during pre-monsoon season. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019 , 184, 57-62	2	16

147	Holographic dark energy models and higher order generalizations in dynamical Chern-Simons modified gravity. <i>European Physical Journal C</i> , 2015 , 75, 1	4.2	16
146	Fractional action cosmology: some dark energy models in emergent, logamediate, and intermediate scenarios of the universe. <i>Journal of Theoretical and Applied Physics</i> , 2013 , 7, 25	1.4	16
145	Neuro-computing based short range prediction of some meteorological parameters during the pre-monsoon season. <i>Soft Computing</i> , 2005 , 9, 349-354	3.5	16
144	Modified QCD ghost ($f(T, T_{\{G\}})$) gravity. <i>Astrophysics and Space Science</i> , 2015 , 360, 1	1.6	15
143	A study of generalized second law of thermodynamics in modified $f(R)$ Horava-Lifshitz gravity. <i>Astrophysics and Space Science</i> , 2012 , 341, 669-674	1.6	15
142	A study on the modified holographic Ricci dark energy in logarithmic $f(T)$ gravity. <i>Canadian Journal of Physics</i> , 2013 , 91, 351-354	1.1	15
141	Conjugate gradient descent learned ANN for Indian summer monsoon rainfall and efficiency assessment through Shannon-Fano coding. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018 , 179, 202-205	2	14
140	QCD ghost reconstruction of $f(T)$ gravity in flat FRW universe. <i>European Physical Journal Plus</i> , 2014 , 129, 1	3.1	14
139	Interacting Ricci dark energy and its statefinder description. <i>European Physical Journal Plus</i> , 2011 , 126, 1	3.1	14
138	Estimating potential evapotranspiration from limited weather data over Gangetic West Bengal, India: a neurocomputing approach. <i>Meteorological Applications</i> , 2009 , 16, 403-411	2.1	14
137	An effective quintessence field with a power-law potential. <i>Astrophysics and Space Science</i> , 2015 , 356, 383-391	1.6	13
136	Correspondence Between Ricci and Other Dark Energies. <i>International Journal of Theoretical Physics</i> , 2011 , 50, 315-324	1.1	13
135	Machine-part cell formation through visual decipherable clustering of self-organizing map. <i>International Journal of Advanced Manufacturing Technology</i> , 2011 , 52, 1019-1030	3.2	13
134	Density evolution in the new modified Chaplygin gas model. <i>Gravitation and Cosmology</i> , 2008 , 14, 341-346	3	13
133	Hurst exponent approach through rescaled range analysis to study the time series of summer monsoon rainfall over northeast India. <i>Theoretical and Applied Climatology</i> , 2020 , 142, 581-587	3	12
132	Performance of general circulation models and their ensembles for the prediction of drought indices over India during summer monsoon. <i>Natural Hazards</i> , 2013 , 66, 851-871	3	11
131	Symmetrical components and current Concordia based assessment of single phasing of an induction motor by feature pattern extraction method and radar analysis. <i>International Journal of Electrical Power and Energy Systems</i> , 2012 , 37, 43-49	5.1	11
130	Predicting daily total ozone over Kolkata, India: skill assessment of different neural network models. <i>Meteorological Applications</i> , 2009 , 16, 179-190	2.1	11

129	An interacting new holographic dark energy in the framework of fractal cosmology. <i>Astrophysics and Space Science</i> , 2018 , 363, 1	1.6	11
128	Cosmological analysis of $(F(\tilde{R}))$ models via pilgrim dark energy. <i>Astrophysics and Space Science</i> , 2015 , 357, 1	1.6	10
127	Elucidating the role of topological pattern discovery and support vector machine in generating predictive models for Indian summer monsoon rainfall. <i>Theoretical and Applied Climatology</i> , 2016 , 126, 93-104	3	10
126	Various aspects of interacting modified holographic Ricci dark energy. <i>Indian Journal of Physics</i> , 2013 , 87, 1053-1057	1.4	10
125	Measurement of harmonic distortion and Skewness of stator current of induction motor at crawling in Clarke plane. <i>IET Science, Measurement and Technology</i> , 2014 , 8, 528-536	1.5	10
124	Prediction of mean monthly total ozone time series Application of radial basis function network. <i>International Journal of Remote Sensing</i> , 2007 , 28, 4037-4046	3.1	10
123	Exploring the pre- and summer-monsoon surface air temperature over eastern India using Shannon entropy and temporal Hurst exponents through rescaled range analysis. <i>Atmospheric Research</i> , 2019 , 217, 57-62	5.4	10
122	Modified Holographic Ricci Dark Energy in Chameleon Brans-Dicke Cosmology and Its Thermodynamic Consequence. <i>Communications in Theoretical Physics</i> , 2015 , 63, 453-458	2.4	9
121	A Study on the Interacting Ricci Dark Energy in $f(R, T)$ Gravity. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2014 , 84, 87-93	0.9	9
120	Generalized second law of thermodynamics in QCD ghost $f(G)$ gravity. <i>Astrophysics and Space Science</i> , 2014 , 352, 937-942	1.6	9
119	Analysis of stator current of induction motor used in transport system at single phasing by measuring phase angle, symmetrical components, Skewness, Kurtosis and harmonic distortion in Park plane. <i>IET Electrical Systems in Transportation</i> , 2014 , 4, 1-8	2.1	9
118	Validity of the Generalized Second Law of Thermodynamics in the Logamediate and Intermediate Scenarios of the Universe. <i>Foundations of Physics</i> , 2012 , 42, 266-283	1.2	9
117	New Agegraphic Dark Energy model in chameleon Brans-Dicke cosmology for different forms of the scale factor. <i>Astrophysics and Space Science</i> , 2013 , 348, 283-291	1.6	9
116	Logarithmic Entropy-Corrected Holographic Dark Energy in Hořava-Lifshitz cosmology with Granda-Oliveros cut-off. <i>Astrophysics and Space Science</i> , 2013 , 348, 541-551	1.6	9
115	Univariate approach to the monthly total ozone time series over Kolkata, India: autoregressive integrated moving average (ARIMA) and autoregressive neural network (AR-NN) models. <i>International Journal of Remote Sensing</i> , 2010 , 31, 575-583	3.1	9
114	Dealing with the complexity of earthquake using neurocomputing techniques and estimating its magnitudes with some low correlated predictors. <i>Arabian Journal of Geosciences</i> , 2009 , 2, 247-255	1.8	9
113	Interaction between phantom field and modified Chaplygin gas. <i>Astrophysics and Space Science</i> , 2010 , 326, 155-158	1.6	9
112	Forecasting daily total ozone concentration comparison between neurocomputing and statistical approaches. <i>International Journal of Remote Sensing</i> , 2008 , 29, 1903-1916	3.1	9

111	Modified holographic energy density-driven inflation and some cosmological outcomes. <i>International Journal of Geometric Methods in Modern Physics</i> , 2020 , 17, 2050066	1.5	8
110	Power-law entropy-corrected holographic dark energy in Hořava-Lifshitz cosmology with Granda-Oliveros cut-off. <i>European Physical Journal Plus</i> , 2016 , 131, 1	3.1	8
109	Harmonic power distortion measurement in Park Plane. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014 , 51, 197-205	4.6	8
108	Holographic Polytropic(T)Gravity Models. <i>Advances in High Energy Physics</i> , 2015 , 2015, 1-15	1	8
107	Monthly sunspot number time series analysis and its modeling through autoregressive artificial neural network. <i>European Physical Journal Plus</i> , 2012 , 127, 1	3.1	8
106	GENERALIZED SECOND LAW OF THERMODYNAMICS IN THE PRESENCE OF INTERACTING DBI-ESSENCE AND OTHER DARK ENERGIES. <i>International Journal of Modern Physics A</i> , 2010 , 25, 5557-5566	1.2	8
105	Interaction Between DBI-Essence and Other Dark Energies. <i>International Journal of Theoretical Physics</i> , 2010 , 49, 1465-1480	1.1	8
104	Israel-Stewart Approach to Viscous Dissipative Extended Holographic Ricci Dark Energy Dominated Universe. <i>Advances in High Energy Physics</i> , 2016 , 2016, 1-14	1	8
103	Interacting Ricci Dark Energy Models with an Effective Λ term in Lyra Manifold. <i>International Journal of Theoretical Physics</i> , 2015 , 54, 749-760	1.1	7
102	Cosmology of a generalised version of holographic dark energy in presence of bulk viscosity and its inflationary dynamics through slow roll parameters. <i>International Journal of Modern Physics D</i> , 2020 , 29, 2050024	2.2	7
101	Shannon entropy maximization supplemented by neurocomputing to study the consequences of a severe weather phenomenon on some surface parameters. <i>Natural Hazards</i> , 2018 , 93, 237-247	3	7
100	A Dark Energy Model with Generalized Uncertainty Principle in the Emergent, Intermediate and Logamediate Scenarios of the Universe. <i>International Journal of Theoretical Physics</i> , 2012 , 51, 589-603	1.1	7
99	Study on statistical aspects of monthly sunspot number time series and its long-range correlation through detrended fluctuation analysis. <i>Indian Journal of Physics</i> , 2014 , 88, 1135-1140	1.4	7
98	Prediction of Indian summer monsoon rainfall: a weighted multi-model ensemble to enhance probabilistic forecast skills. <i>Meteorological Applications</i> , 2014 , 21, 724-732	2.1	7
97	The possible association between summer monsoon rainfall in India and sunspot numbers. <i>International Journal of Remote Sensing</i> , 2011 , 32, 891-907	3.1	7
96	Tachyonic field interacting with scalar (phantom) field. <i>Brazilian Journal of Physics</i> , 2009 , 39,	1.2	7
95	Artificial Neural Network versus autoregressive approach: Prediction of total ozone time series. <i>Model Assisted Statistics and Applications</i> , 2007 , 2, 107-120	0.3	7
94	Thermodynamics of Barrow Holographic Dark Energy with Specific Cut-Off. <i>Symmetry</i> , 2021 , 13, 562	2.7	7

93	Cosmology of viscous holographic $f(G)$ gravity and consequences in the framework of quintessence scalar field. <i>International Journal of Geometric Methods in Modern Physics</i> , 2019 , 16, 1950176	1.5	7
92	A holographic reconstruction scheme for $f(R)$ gravity and the study of stability and thermodynamic consequences. <i>New Astronomy</i> , 2020 , 76, 101321	1.8	7
91	Cosmological reconstruction and diagnostic analysis of Einstein-Aether theory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017 , 2017, 015-015	6.4	6
90	Interacting modified Chaplygin gas in $f(T)$ gravity framework and analysis of its stability against gravitational perturbation. <i>International Journal of Geometric Methods in Modern Physics</i> , 2017 , 14, 1750035	1.5	6
89	Energy-Momentum for a Charged Nonsingular Black Hole Solution with a Nonlinear Mass Function. <i>Advances in High Energy Physics</i> , 2017 , 2017, 1-10	1	6
88	Viscous extended holographic Ricci dark energy in the framework of standard Eckart theory. <i>Modern Physics Letters A</i> , 2016 , 31, 1650202	1.3	6
87	Dynamics of single-field inflation in the framework of holographic $f(T)$ gravity. <i>International Journal of Geometric Methods in Modern Physics</i> , 2018 , 15, 1850167	1.5	6
86	A study on modified holographic Ricci dark energy in modified $f(R)$ Horava-Lifshitz gravity. <i>Canadian Journal of Physics</i> , 2014 , 92, 200-205	1.1	6
85	Holographic DBI-Essence Dark Energy via Power-Law Solution of the Scale Factor. <i>International Journal of Theoretical Physics</i> , 2013 , 52, 3945-3952	1.1	6
84	Modified Chaplygin gas equation of state on viscous dissipative extended holographic Ricci dark energy and the cosmological consequences. <i>International Journal of Modern Physics D</i> , 2017 , 26, 1750042	2.2	6
83	Effect of Two Different Doses of Dexmedetomidine as Adjuvant in Bupivacaine Induced Subarachnoid Block for Elective Abdominal Hysterectomy Operations: A Prospective, Double-blind, Randomized Controlled Study. <i>Oman Medical Journal</i> , 2015 , 30, 257-63	1.4	6
82	Principal component analysis and neurocomputing-based models for total ozone concentration over different urban regions of India. <i>Theoretical and Applied Climatology</i> , 2012 , 109, 221-231	3	6
81	On the Stability and Thermodynamics of the Dark Energy Based on Generalized Uncertainty Principle. <i>International Journal of Theoretical Physics</i> , 2013 , 52, 2496-2507	1.1	6
80	Generalized second law of thermodynamics in the presence of interacting tachyonic field and scalar (phantom) field. <i>Canadian Journal of Physics</i> , 2010 , 88, 933-938	1.1	6
79	PREDICTION OF SEVERE THUNDERSTORMS WITH MINIMAL A PRIORI INFORMATION. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2005 , 08, 75-86	0.8	6
78	The barrow holographic dark energy-based reconstruction of $f(R)$ gravity and cosmology with Nojiri-Dintsov cutoff. <i>International Journal of Geometric Methods in Modern Physics</i> , 2021 , 18, 2150148	1.5	6
77	Spectral analysis approach to study the association between total ozone concentration and surface temperature. <i>International Journal of Environmental Science and Technology</i> , 2020 , 17, 4353-4358	3.3	5
76	A reconstruction scheme for $f(T)$ gravity and its consequences in the perturbation level. <i>International Journal of Geometric Methods in Modern Physics</i> , 2018 , 15, 1850025	1.5	5

75	A look into the cosmological consequences of a dark energy model with higher derivatives of H in the framework of Chameleon Brans-Dicke cosmology. <i>International Journal of Modern Physics D</i> , 2019 , 28, 1950149	2.2	5
74	Power-law solution of new agegraphic modified f(R) Horava-Lifshitz gravity. <i>European Physical Journal Plus</i> , 2014 , 129, 1	3.1	5
73	Stability of Non-asymptotically Flat Thin-Shell Wormholes in Generalized Dilaton-Axion Gravity. <i>International Journal of Theoretical Physics</i> , 2013 , 52, 3188-3198	1.1	5
72	A study on the bouncing behavior of modified Chaplygin gas in presence of bulk viscosity and its consequences in the modified gravity framework. <i>International Journal of Geometric Methods in Modern Physics</i> , 2017 , 14, 1750181	1.5	5
71	Analyzing surface air temperature and rainfall in univariate framework, quantifying uncertainty through Shannon entropy and prediction through artificial neural network. <i>Earth Science Informatics</i> , 2021 , 14, 485-503	2.5	5
70	Reconstruction of f(T) Gravity with Interacting Variable-Generalised Chaplygin Gas and the Thermodynamics with Corrected Entropies. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2017 , 72, 231-244	1.4	4
69	Cosmological properties and reconstruction of scalar field models of the Holographic Dark Energy model with Granda-Oliveros cut-off in Kaluza-Klein cosmology. <i>European Physical Journal Plus</i> , 2016 , 131, 1	3.1	4
68	Viscous pilgrim (f(T)) gravity models. <i>Astrophysics and Space Science</i> , 2016 , 361, 1	1.6	4
67	A study of modified holographic Ricci dark energy in the framework of f(T) modified gravity and its statefinder hierarchy. <i>Canadian Journal of Physics</i> , 2019 , 97, 477-486	1.1	4
66	On the Dynamics of Dark Energy with Higher Time Derivatives of Hubble Parameter in El-Nabulsi Fractional Action Cosmology. <i>International Journal of Theoretical Physics</i> , 2014 , 53, 435-448	1.1	4
65	A study on the dependence of the dimensionless Brans-Dicke parameter on the scalar field and their time dependence. <i>European Physical Journal Plus</i> , 2013 , 128, 1	3.1	4
64	Power Law and Logarithmic Ricci Dark Energy Models in Hořava-Lifshitz Cosmology. <i>International Journal of Theoretical Physics</i> , 2015 , 54, 972-995	1.1	4
63	A Dark Energy Model with Higher Order Derivatives of H in the f(R,T) Modified Gravity Model 2014 , 2014, 1-11		4
62	Markov chain model to study the occurrence of pre-monsoon thunderstorms over Bhubaneswar, India. <i>Comptes Rendus - Geoscience</i> , 2012 , 344, 473-482	1.4	4
61	Extended Holographic Ricci Dark Energy in Chameleon Brans-Dicke Cosmology 2013 , 2013, 1-7		4
60	A Study on Some Special Forms of Holographic Ricci Dark Energy in Fractal Universe 2013 , 2013, 1-6		4
59	Role of generalized Ricci dark energy on a Chameleon field in the emergent universe. <i>Canadian Journal of Physics</i> , 2011 , 89, 941-948	1.1	4
58	A factor analysis and neural network-based validation of the Varotsos-Cracknell theory on the 11-year solar cycle. <i>International Journal of Remote Sensing</i> , 2008 , 29, 2775-2786	3.1	4

57	Cosmology of Tsallis holographic scalar field models in ChernSimons modified gravity and optimization of model parameters through χ^2 minimization. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2021 , 76, 43-64	1.4	4
56	Exploring the Indian summer monsoon rainfall through multifractal detrended fluctuation analysis and the principle of entropy maximization. <i>Earth Science Informatics</i> , 2021 , 14, 1571	2.5	4
55	Information Theoretic Study of the Ground-Level Ozone and Its Precursors Over Kolkata, India, During the Summer Monsoon 2021 , 45, 201-207		4
54	Can holographic dark energy increase the mass of the wormhole?. <i>Astrophysics and Space Science</i> , 2015 , 356, 195-204	1.6	3
53	Viewing the Cosmological Consequences of Modified Holographic Dark Energy in Various Interaction Scenarios. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2018 , 73, 251-257	1.4	3
52	Consequences of three modified forms of holographic dark energy models in bulkBrane interaction. <i>Canadian Journal of Physics</i> , 2018 , 96, 112-125	1.1	3
51	Generalized Ricci dark energy in Horava-Lifshitz gravity. <i>European Physical Journal Plus</i> , 2012 , 127, 1	3.1	3
50	On the various aspects of interacting Ricci dark energy and tachyonic field. <i>Astrophysics and Space Science</i> , 2011 , 331, 651-655	1.6	3
49	Energy conditions for inhomogeneous EOS and its thermodynamics analysis with the resolution on finite time future singularity problems. <i>International Journal of Geometric Methods in Modern Physics</i> , 2021 , 18, 2150131	1.5	3
48	A Markov chain approach to the predictability of surface temperature over the northeastern part of India. <i>Theoretical and Applied Climatology</i> , 2021 , 143, 861-868	3	3
47	A reconstruction scheme for $f(T)$ gravity: Variable generalized Chaplygin dark energy gas form. <i>Astronomische Nachrichten</i> , 2021 , 342, 103-109	0.7	3
46	A time-domain approach to the total ozone time series and a test of its predictability within a univariate framework. <i>Remote Sensing Letters</i> , 2021 , 12, 20-29	2.3	3
45	Reconstruction of $f(T)$ gravity in the context of standard Chaplygin gas as tachyon scalar field and study of the stability against gravitational perturbation. <i>International Journal of Geometric Methods in Modern Physics</i> , 2019 , 16, 1950101	1.5	2
44	Cosmology of a generalized version of holographic dark energy and reconstruction of different scalar field models. <i>Physica Scripta</i> , 2020 , 95, 085005	2.6	2
43	Localization of Energy and Momentum in an Asymptotically Reissner-Nordström Non-Singular Black Hole Space-Time Geometry. <i>Universe</i> , 2020 , 6, 69	2.5	2
42	Exploring of the summer monsoon rainfall around the Himalayas in time domain through maximization of Shannon entropy. <i>Theoretical and Applied Climatology</i> , 2020 , 141, 133-141	3	2
41	Consequences of Holographic Scalar Field Dark Energy Models in Chameleon Brans-Dicke Cosmology. <i>Springer Proceedings in Physics</i> , 2016 , 487-492	0.2	2
40	New holographic dark energy in modified $f(R)$ Horava-Lifshitz gravity. <i>Astrophysics and Space Science</i> , 2014 , 353, 293-299	1.6	2

39	Behavior of Holographic Ricci Dark Energy in Scalar Gauss-Bonnet Gravity for Different Choices of the Scale Factor. <i>International Journal of Theoretical Physics</i> , 2014 , 53, 2988-3013	1.1	2
38	Parametric Models of Periodogram. <i>Journal of Astrophysics and Astronomy</i> , 2014 , 35, 397-400	1.4	2
37	Study of Thermodynamic Quantities in Generalized Gravity Theories. <i>International Journal of Theoretical Physics</i> , 2012 , 51, 3168-3185	1.1	2
36	Reconstructed $f(R)$ Gravity and Its Cosmological Consequences in the Chameleon Scalar Field with a Scale Factor Describing the Pre-Bounce Ekpyrotic Contraction. <i>Symmetry</i> , 2020 , 12, 1559	2.7	2
35	Fuzzy binary relation based elucidation of air quality over a highly polluted urban region of India. <i>Earth Science Informatics</i> , 2021 , 14, 1625	2.5	2
34	Induction Motor Fault Diagnosis: General Discussion and Research Scope. <i>Power Systems</i> , 2016 , 153-158	0.4	2
33	Bayesian Information Criterion-Based Markov Chain Analysis of Some Pollutants Resulted from Heavy Use of Fireworks over Kolkata, India. <i>International Journal of Environmental Research</i> , 2019 , 13, 887-897	2.9	1
32	Reconstruction of Extended Holographic Ricci Dark Energy in Presence of Bulk Viscosity and to View the Thermodynamic Consequences 2019 ,		1
31	Theoretical constraints on kinetic k-essence dark energy model in El-Nabulsi fractional action cosmology. <i>Canadian Journal of Physics</i> , 2013 , 91, 844-849	1.1	1
30	Investigation of power-law correlations within daily total ozone time series and search for a stable node through phase portrait. <i>Comptes Rendus - Geoscience</i> , 2013 , 345, 55-61	1.4	1
29	A study on the role of $f(G)$ gravity on the emergent universe. <i>Astrophysics and Space Science</i> , 2013 , 345, 11-15	1.6	1
28	Interaction Between Tachyon and Hesse (or Hantom) Dark Energies. <i>International Journal of Theoretical Physics</i> , 2011 , 50, 3166-3175	1.1	1
27	Thermodynamics and energy condition analysis for Van-Der-Waals EOS without viscous cosmology. <i>Physica Scripta</i> ,	2.6	1
26	Thermodynamic analysis for Non-linear system (Van-der-Waals EOS) with viscous cosmology. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
25	Cosmology of the generalized model of LQG. <i>Modern Physics Letters A</i> , 2020 , 35, 2050247	1.3	1
24	Investigating inflation driven by DBI-essence scalar field. <i>International Journal of Modern Physics D</i> , 2020 , 29, 2050087	2.2	1
23	A Statistical Analysis of Observational Hubble Parameter Data to Discuss the Cosmology of Holographic Chaplygin Gas. <i>Symmetry</i> , 2021 , 13, 701	2.7	1
22	A study of the bulk viscous pressure in scalar fields and holographic Ricci dark energy considered in the modified gravity framework. <i>Canadian Journal of Physics</i> , 2020 , 98, 664-674	1.1	1

21	Einstein and Mller Energy-Momentum Distributions for the Static Regular SimpsonVisser Space-Time. <i>Symmetry</i> , 2021 , 13, 1622	2.7	1
20	Einstein and Mller energies of a particular asymptotically ReissnerNordstrm non-singular black hole solution. <i>Astronomische Nachrichten</i> , 2021 , 342, 264-270	0.7	1
19	Accreting Scalar-Field Models of Dark Energy Onto Morris-Thorne Wormhole. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2016 , 71, 949-960	1.4	0
18	A Study on the New Agegraphic Dark Energy Model in the Framework of Generalized Uncertainty Principle for Different Scale Factors. <i>International Journal of Theoretical Physics</i> , 2014 , 53, 495-509	1.1	0
17	A probe into the behaviour of total ozone time series through multifractal detrended fluctuation analysis. <i>Theoretical and Applied Climatology</i> , 2022 , 148, 671	3	0
16	Analysis of different scenarios with new Tsallis holographic dark energies and bulk viscous fluid in the framework of ChernSimons modified gravity. <i>International Journal of Modern Physics A</i> , 2021 , 36, 2150151	1.2	0
15	Localization of Energy-Momentum for a Black Hole Spacetime Geometry with Constant Topological Euler Density. <i>Advances in High Energy Physics</i> , 2018 , 2018, 1-7	1	0
14	Viscous generalised Chaplygin gas under the purview of $f(T)$ gravity and the model assessment through probabilistic information theory. <i>Physica Scripta</i> , 2022 , 97, 045006	2.6	0
13	Viscous holographic $f(Q)$ cosmology with some versions of holographic dark energy with generalized cut-offs. <i>Research in Astronomy and Astrophysics</i> , 2021 , 21, 317	1.5	0
12	Single Phasing of an Induction Motor. <i>Power Systems</i> , 2016 , 137-146	0.4	
11	Interacting Ricci dark energy in scalar Gauss-Bonnet gravity. <i>European Physical Journal Plus</i> , 2014 , 129, 1	3.1	
10	A statistical probe into variability within total ozone time series over Arosa, Switzerland (9.68°E, 46.78°N). <i>Indian Journal of Physics</i> , 2013 , 87, 89-97	1.4	
9	Reciprocal NUT spacetimes. <i>International Journal of Geometric Methods in Modern Physics</i> , 2015 , 12, 1550083	0.3	
8	A Study on Ricci Dark Energy in Bulk-Brane Interaction 2013 , 2013, 1-6		
7	Generalized Second Law of Thermodynamics in Emergent Universe. <i>International Journal of Theoretical Physics</i> , 2011 , 50, 3415-3420	1.1	
6	Study of a tachyonic field and its statefinder diagnostics in various scenarios of the anisotropic universe. <i>Canadian Journal of Physics</i> , 2012 , 90, 97-105	1.1	
5	Study of Thermodynamic Quantities in Horava-Lifshitz and $f(R)$ gravity Theories. <i>Journal of Physics: Conference Series</i> , 2012 , 405, 012007	0.3	
4	Markovian approach to the frequency of tropical cyclones and subsequent development of univariate prediction model. <i>Theoretical and Applied Climatology</i> , 2022 , 147, 1297-1308	3	

- 3 Dependence of Brans-Dicke Parameter on Scalar Field. *Springer Proceedings in Mathematics and Statistics*, **2015**, 177-182 0.2
- 2 Inflationary Dynamics of Tsallis Holographic Scalar Field Models in Chern-Simons Modified Gravity. *Journal of Physics: Conference Series*, **2021**, 2156, 012186 0.3
- 1 Landau-Lifshitz and Weinberg Energy Distributions for the Static Regular Simpson-Visser Space-Time Geometry. *Symmetry*, **2022**, 14, 900 2.7