

Surajit Chattopadhyay

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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	0
181	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
180	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
179	Landau-Lifshitz and Weinberg Energy Distributions for the Static Regular Simpson-Visser Space-Time Geometry. <i>Symmetry</i> , 2022 , 14, 900	2.7	0
178	Cosmology of Tsallis holographic scalar field models in Chern-Simons 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
177	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
176	Thermodynamics of Barrow Holographic Dark Energy with Specific Cut-Off. <i>Symmetry</i> , 2021 , 13, 562	2.7	7
175	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
174	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
173	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
172	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
171	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
170	Analysis of different scenarios with new Tsallis holographic dark energies and bulk viscous fluid in the framework of Chern-Simons modified gravity. <i>International Journal of Modern Physics A</i> , 2021 , 36, 2150151	1.2	0
169	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
168	Information Theoretic Study of the Ground-Level Ozone and Its Precursors Over Kolkata, India, During the Summer Monsoon 2021 , 45, 201-207		4
167	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
166	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

165	Einstein and Mller Energy-Momentum Distributions for the Static Regular SimpsonVisser Space-Time. <i>Symmetry</i> , 2021 , 13, 1622	2.7	1
164	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
163	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
162	Inflationary Dynamics of Tsallis Holographic Scalar Field Models in Chern-Simons Modified Gravity. <i>Journal of Physics: Conference Series</i> , 2021 , 2156, 012186	0.3	
161	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
160	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
159	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
158	Localization of Energy and Momentum in an Asymptotically Reissner-Nordstrm Non-Singular Black Hole Space-Time Geometry. <i>Universe</i> , 2020 , 6, 69	2.5	2
157	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
156	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
155	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
154	Cosmology of the generalized model of LQG. <i>Modern Physics Letters A</i> , 2020 , 35, 2050247	1.3	1
153	Investigating inflation driven by DBI-essence scalar field. <i>International Journal of Modern Physics D</i> , 2020 , 29, 2050087	2.2	1
152	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
151	Reconstructed f(R) Gravity and Its Cosmological Consequences in theChameleon Scalar Field with a Scale Factor Describing the Pre-Bounce Ekpyrotic Contraction. <i>Symmetry</i> , 2020 , 12, 1559	2.7	2
150	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
149	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
148	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

147	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
146	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
145	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
144	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
143	Reconstruction of Extended Holographic Ricci Dark Energy in Presence of Bulk Viscosity and to View the Thermodynamic Consequences 2019 ,		1
142	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
141	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
140	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
139	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
138	Consequences of three modified forms of holographic dark energy models in bulk-brane interaction. <i>Canadian Journal of Physics</i> , 2018 , 96, 112-125	1.1	3
137	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
136	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
135	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
134	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
133	An interacting new holographic dark energy in the framework of fractal cosmology. <i>Astrophysics and Space Science</i> , 2018 , 363, 1	1.6	11
132	Cosmological reconstruction and diagnostic analysis of Einstein-Aether theory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017 , 2017, 015-015	6.4	6
131	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
130	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

129	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
128	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
127	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
126	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
125	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
124	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
123	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
122	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
121	Viscous pilgrim ($f(T)$) gravity models. <i>Astrophysics and Space Science</i> , 2016 , 361, 1	1.6	4
120	Single Phasing of an Induction Motor. <i>Power Systems</i> , 2016 , 137-146	0.4	
119	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
118	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
117	Induction Motor Fault Diagnosis: General Discussion and Research Scope. <i>Power Systems</i> , 2016 , 153-158	0.4	2
116	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
115	Holographic dark energy reconstruction in ($f(T, \mathcal{T})$) gravity. <i>Astrophysics and Space Science</i> , 2015 , 358, 1	1.6	28
114	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
113	Cosmological analysis of ($F(\tilde{R})$) models via pilgrim dark energy. <i>Astrophysics and Space Science</i> , 2015 , 357, 1	1.6	10
112	Modified QCD ghost ($f(T, T_{\{G\}})$) gravity. <i>Astrophysics and Space Science</i> , 2015 , 360, 1	1.6	15

111	Can holographic dark energy increase the mass of the wormhole?. <i>Astrophysics and Space Science</i> , 2015 , 356, 195-204	1.6	3
110	An effective quintessence field with a power-law potential. <i>Astrophysics and Space Science</i> , 2015 , 356, 383-391	1.6	13
109	Interacting Ricci Dark Energy Models with an Effective Term in Lyra Manifold. <i>International Journal of Theoretical Physics</i> , 2015 , 54, 749-760	1.1	7
108	Holographic Polytropic($f(T)$) Gravity Models. <i>Advances in High Energy Physics</i> , 2015 , 2015, 1-15	1	8
107	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
106	Reciprocal NUT spacetimes. <i>International Journal of Geometric Methods in Modern Physics</i> , 2015 , 12, 1550083	0.3	3
105	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
104	Dependence of Brans-Dicke Parameter on Scalar Field. <i>Springer Proceedings in Mathematics and Statistics</i> , 2015 , 177-182	0.2	1
103	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
102	Interacting Ricci dark energy in scalar Gauss-Bonnet gravity. <i>European Physical Journal Plus</i> , 2014 , 129, 1	3.1	1
101	QCD ghost reconstruction of $f(T)$ gravity in flat FRW universe. <i>European Physical Journal Plus</i> , 2014 , 129, 1	3.1	14
100	Harmonic power distortion measurement in Park Plane. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014 , 51, 197-205	4.6	8
99	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
98	A study on modified holographic Ricci dark energy in modified $f(R)$ Hořava-Lifshitz gravity. <i>Canadian Journal of Physics</i> , 2014 , 92, 200-205	1.1	6
97	New holographic dark energy in modified $f(R)$ Horava-Lifshitz gravity. <i>Astrophysics and Space Science</i> , 2014 , 353, 293-299	1.6	2
96	Generalized second law of thermodynamics in QCD ghost $f(G)$ gravity. <i>Astrophysics and Space Science</i> , 2014 , 352, 937-942	1.6	9
95	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
94	Power-law solution of new agegraphic modified $f(R)$ Horava-Lifshitz gravity. <i>European Physical Journal Plus</i> , 2014 , 129, 1	3.1	5

93	Pilgrim dark energy in $f(T, T, G)$ cosmology. <i>Astrophysics and Space Science</i> , 2014 , 353, 279-292	1.6	45
92	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
91	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
90	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
89	A Dark Energy Model with Higher Order Derivatives of H in the $f(R, T)$ Modified Gravity Model 2014 , 2014, 1-11		4
88	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
87	Parametric Models of Periodogram. <i>Journal of Astrophysics and Astronomy</i> , 2014 , 35, 397-400	1.4	2
86	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
85	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
84	On the bias correction of general circulation model output for Indian summer monsoon. <i>Meteorological Applications</i> , 2013 , 20, 349-356	2.1	46
83	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
82	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
81	Various aspects of interacting modified holographic Ricci dark energy. <i>Indian Journal of Physics</i> , 2013 , 87, 1053-1057	1.4	10
80	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	
79	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
78	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
77	Reconstruction of $f(G)$ gravity with the new agegraphic dark-energy model. <i>European Physical Journal Plus</i> , 2013 , 128, 1	3.1	52
76	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

75	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
74	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
73	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
72	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
71	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
70	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
69	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
68	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
67	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
66	Reconstruction of $f(T)$ gravity from the Holographic Dark Energy. <i>Astrophysics and Space Science</i> , 2013 , 344, 269-274	1.6	48
65	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
64	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
63	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
62	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
61	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
60	Extended Holographic Ricci Dark Energy in Chameleon Brans-Dicke Cosmology 2013 , 2013, 1-7		4
59	A Study on Some Special Forms of Holographic Ricci Dark Energy in Fractal Universe 2013 , 2013, 1-6		4
58	A Study on Ricci Dark Energy in Bulk-Brane Interaction 2013 , 2013, 1-6		

57	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
56	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
55	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
54	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
53	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
52	Study of Thermodynamic Quantities in Generalized Gravity Theories. <i>International Journal of Theoretical Physics</i> , 2012 , 51, 3168-3185	1.1	2
51	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
50	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
49	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
48	Mann-Kendall trend analysis of tropospheric ozone and its modeling using ARIMA. <i>Theoretical and Applied Climatology</i> , 2012 , 110, 321-328	3	35
47	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
46	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
45	Generalized Ricci dark energy in Horava-Lifshitz gravity. <i>European Physical Journal Plus</i> , 2012 , 127, 1	3.1	3
44	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
43	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
42	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	
41	Study of Thermodynamic Quantities in Horava-Lifshitz and f(R) gravity Theories. <i>Journal of Physics: Conference Series</i> , 2012 , 405, 012007	0.3	
40	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

39	Interacting Ricci dark energy and its statefinder description. <i>European Physical Journal Plus</i> , 2011 , 126, 1	3.1	14
38	Correspondence Between Ricci and Other Dark Energies. <i>International Journal of Theoretical Physics</i> , 2011 , 50, 315-324	1.1	13
37	Interaction Between Tachyon and Hesse (or Hantom) Dark Energies. <i>International Journal of Theoretical Physics</i> , 2011 , 50, 3166-3175	1.1	1
36	Generalized Second Law of Thermodynamics in Emergent Universe. <i>International Journal of Theoretical Physics</i> , 2011 , 50, 3415-3420	1.1	
35	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
34	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
33	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
32	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
31	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
30	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
29	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
28	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
27	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
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