

# Anil Kumar Yadav

## List of Publications by Year in descending order

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76  
papers

1,583  
citations

304368

22  
h-index

344852

36  
g-index

76  
all docs

76  
docs citations

76  
times ranked

268  
citing authors

#	ARTICLE	IF	CITATIONS
1	Singularity-free dark energy star. <i>General Relativity and Gravitation</i> , 2012, 44, 107-124.	0.7	135
2	Bianchi Type III Anisotropic Dark Energy Models with $\Lambda$ Constant Deceleration Parameter. <i>International Journal of Theoretical Physics</i> , 2011, 50, 218-227.	0.5	96
3	Dark Energy Models with Variable Equation of State Parameter. <i>International Journal of Theoretical Physics</i> , 2011, 50, 871-881.	0.5	92
4	SOME BIANCHI TYPE-V MODELS OF ACCELERATING UNIVERSE WITH DARK ENERGY. <i>Modern Physics Letters A</i> , 2011, 26, 647-659.	0.5	91
5	Some anisotropic dark energy models in Bianchi type-V space-time. <i>Astrophysics and Space Science</i> , 2011, 335, 565-575.	0.5	86
6	LRS Bianchi-I anisotropic cosmological model with dominance of dark energy. <i>Astrophysics and Space Science</i> , 2012, 337, 759-765.	0.5	67
7	Noncommutative Wormholes in $f(R)$ Gravity with Lorentzian Distribution. <i>International Journal of Theoretical Physics</i> , 2014, 53, 1910-1919.	0.5	55
8	Dark energy model with variable $q$ and $\tilde{\omega}$ in LRS Bianchi-II space-time. <i>Astrophysics and Space Science</i> , 2012, 341, 651-656.	0.5	43
9	Bulk viscous Bianchi-I embedded cosmological model in $f(R,T) = f_1(R) + f_2(R)f_3(T)$ gravity. <i>Modern Physics Letters A</i> , 2019, 34, 1950145.	0.5	43
10	Bulk viscous LRS Bianchi-I Universe with variable $G$ and decaying $\hat{\lambda}$ . <i>Astrophysics and Space Science</i> , 2012, 337, 379-385.	0.5	36
11	Bianchi-V string cosmology with power law expansion in $f(R, T)$ gravity. <i>European Physical Journal Plus</i> , 2014, 129, 1.	1.2	31
12	Non-minimal matter-geometry coupling in Bianchi I space-time. <i>Results in Physics</i> , 2018, 10, 738-742.	2.0	29
13	Magnetized dark energy and the late time acceleration. <i>European Physical Journal Plus</i> , 2012, 127, 1.	1.2	26
14	A transitioning universe with anisotropic dark energy. <i>Astrophysics and Space Science</i> , 2016, 361, 1.	0.5	26
15	Existence of bulk viscous universe in $f(R, T)$ gravity and confrontation with observational data. <i>New Astronomy</i> , 2020, 78, 101382.	0.8	26
16	Hybrid Expansion Law for Dark Energy Dominated Universe in $f(R,T)$ Gravity. <i>International Journal of Theoretical Physics</i> , 2015, 54, 1671-1679.	0.5	25
17	Two-fluid scenario in Bianchi type-I universe. <i>Modern Physics Letters A</i> , 2020, 35, 2050086.	0.5	25
18	Isotropic Homogeneous Universe with a Bulk Viscous Fluid in Lyra Geometry. <i>Astrophysics and Space Science</i> , 2005, 299, 31-42.	0.5	24

#	ARTICLE	IF	CITATIONS
19	Cosmological Constant Dominated Transit Universe from the Early Deceleration Phase to the Current Acceleration Phase in Bianchi-V Spacetime. Chinese Physics Letters, 2012, 29, 079801.	1.3	24
20	Anisotropic string cosmological models in Heckmann-Schucking space-time. Astrophysics and Space Science, 2016, 361, 1.	0.5	24
21	Anisotropic universe with magnetized dark energy. Astrophysics and Space Science, 2016, 361, 1.	0.5	24
22	Generation of Bianchi type V cosmological models with varying $\hat{\lambda}$ -term. European Physical Journal D, 2005, 55, 503-518.	0.4	23
23	Invariant Bianchi type I models in $f(R,T)$ gravity. International Journal of Geometric Methods in Modern Physics, 2018, 15, 1850026.	0.8	23
24	Transitioning universe with hybrid scalar field in Bianchi I space-time. Physics of the Dark Universe, 2021, 31, 100738.	1.8	23
25	Viscous Fluid Cosmological Models in LRS Bianchi Type V Universe with Varying $\hat{\Lambda}$ . European Physical Journal D, 2004, 54, 487-498.	0.4	22
26	Bianchi-V string cosmological model and late time acceleration. Research in Astronomy and Astrophysics, 2012, 12, 1467-1474.	0.7	22
27	Constraining an exact Brans-Dicke gravity theory with recent observations. Physics of the Dark Universe, 2020, 30, 100711.	1.8	22
28	Viability of Bianchi type V universe in $f(R,T) = f_1(R) + f_2(R)f_3(T)$ gravity. International Journal of Geometric Methods in Modern Physics, 2020, 17, 2050111.	0.8	20
29	A new class of Inhomogeneous string cosmological models in general relativity. Astrophysics and Space Science, 2007, 312, 145-150.	0.5	19
30	Cylindrically Symmetric Inhomogeneous Universes with Cloud of Strings. International Journal of Theoretical Physics, 2009, 48, 568-578.	0.5	19
31	Plane symmetric bulk viscous domain wall in Lyra geometry. Brazilian Journal of Physics, 2007, 37, .	0.7	19
32	A transitioning universe with time varying $G$ and decaying $\hat{\lambda}$ . Research in Astronomy and Astrophysics, 2013, 13, 501-508.	0.7	18
33	Note on Tsallis holographic dark energy in Brans-Dicke cosmology. European Physical Journal C, 2021, 81, 1.	1.4	18
34	Modeling of Accelerating Universe with Bulk Viscous Fluid in Bianchi V Space-Time. Fortschritte Der Physik, 2021, 69, 2100007.	1.5	18
35	Constraining Bianchi type V universe with recent $H(z)$ and BAO observations in Brans-Dicke theory of gravitation. European Physical Journal Plus, 2020, 135, 1.	1.2	17
36	$\hat{\lambda}$ CDM-type cosmological model and observational constraints. International Journal of Theoretical Physics, 2015, 54, 315-325.	0.5	16

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37	Bulk viscous Bianchi-V cosmological model within the formalism of $f(R,T)=f_{1}(R)+f_{2}(R)f_{3}(T)$ gravity. <i>Astrophysics and Space Science</i> , 2019, 364, 1.	0.5	15
38	Lyra's cosmology of hybrid universe in Bianchi-V space-time. <i>Research in Astronomy and Astrophysics</i> , 2018, 18, 064.	0.7	14
39	Some plane symmetric inhomogeneous cosmological models in the scalar-tensor theory of gravitation. <i>Astrophysics and Space Science</i> , 2014, 349, 539-547.	0.5	13
40	Dissipative Future Universe Without Big Rip. <i>International Journal of Theoretical Physics</i> , 2011, 50, 1664-1670.	0.5	12
41	Transitioning Scenario of Bianchi-I Universe Within $f(R,T)$ Formalism. <i>Brazilian Journal of Physics</i> , 2019, 49, 262-270.	0.7	12
42	Magnetised Strings in $\hat{\nu}$ -Dominated Anisotropic Universe. <i>International Journal of Theoretical Physics</i> , 2016, 55, 4651-4664.	0.5	11
43	Bulk viscous accelerating Universe in $f(R,\hat{\nu})$ theory of gravity. <i>Pramana - Journal of Physics</i> , 2020, 94, 1.	0.9	11
44	Thermodynamical Behavior of Inhomogeneous Universe with Varying $\hat{\nu}$ in Presence of Electromagnetic Field. <i>International Journal of Theoretical Physics</i> , 2010, 49, 1140-1154.	0.5	10
45	Lyra's Cosmology of Massive Strings in Anisotropic Bianchi-II Space-Time. <i>International Journal of Theoretical Physics</i> , 2011, 50, 2850-2863.	0.5	10
46	Singularity-free non-exotic compact star in $f(R, T)$ gravity. <i>Pramana - Journal of Physics</i> , 2020, 94, 1.	0.9	10
47	Anisotropic massive strings in the scalar-tensor theory of gravitation. <i>Research in Astronomy and Astrophysics</i> , 2013, 13, 772-782.	0.7	9
48	Accelerating Model of a Flat Universe in $f(R,T)$ Gravity. <i>Gravitation and Cosmology</i> , 2020, 26, 144-152.	0.3	9
49	Bianchi type-V string cosmological models in general relativity. <i>Pramana - Journal of Physics</i> , 2011, 76, 681-690.	0.9	8
50	$\hat{\nu}$ CDM type Heckmann-Schucking model and Union 2.1 compilation. <i>Gravitation and Cosmology</i> , 2016, 22, 388-393.	0.3	8
51	Comment on "Brans-Dicke scalar field cosmological model in Lyra's geometry". <i>Physical Review D</i> , 2020, 102, .	1.6	8
52	Power-law solution for homogeneous and isotropic universe in $f(R, T)$ gravity. <i>New Astronomy</i> , 2020, 79, 101396.	0.8	8
53	Dark energy-dominated Universe in Lyra geometry. <i>Indian Journal of Physics</i> , 2022, 96, 1569-1575.	0.9	8
54	Constraining a bulk viscous Bianchi type I dark energy dominated universe with recent observational data. <i>Physical Review D</i> , 2021, 104, .	1.6	8

#	ARTICLE	IF	CITATIONS
55	Some Bianchi type-V accelerating cosmological models in $f(R,T) = f_1(R) + f_2(T)$ formalism. International Journal of Geometric Methods in Modern Physics, 2020, 17, 2050159.	0.8	8
56	Probing kinematics and fate of Bianchi type I universe in Brans-Dicke theory. Modern Physics Letters A, 2020, 35, 2050174.	0.5	7
57	Null geodesics and QNMs in the field of regular black holes. International Journal of Modern Physics D, 2021, 30, .	0.9	6
58	Symmetry Group Analysis for Perfect Fluid Inhomogeneous Cosmological Models in General Relativity. International Journal of Theoretical Physics, 2014, 53, 2505-2519.	0.5	5
59	An optimal system and invariant solutions of dark energy models in cylindrically symmetric space-time. European Physical Journal Plus, 2014, 129, 1.	1.2	5
60	Bianchi type I Universe: An extension of $\Lambda$ -CDM model. International Journal of Geometric Methods in Modern Physics, 2021, 18, 2150069.	0.8	5
61	Interacting dark sectors in anisotropic universe: Observational constraints and $H$ tension. Physics of the Dark Universe, 2022, 36, 101043.	1.8	5
62	Inhomogeneous perfect fluid universe with electromagnetic field. Astrophysics and Space Science, 2007, 312, 267-273.	0.5	4
63	Some invariant string cosmological models in cylindrically symmetric space-time. Physica Scripta, 2014, 89, 115206.	1.2	4
64	Similarity dark energy models in Bianchi type-I space-time. European Physical Journal Plus, 2016, 131, 1.	1.2	4
65	Probing kinematics and fate of Bianchi type V Universe. Modern Physics Letters A, 2020, 35, 2050224.	0.5	4
66	An exact solution of the observable universe in Bianchi V space-time. International Journal of Modern Physics A, 2021, 36, 2150044.	0.5	4
67	Lyra's cosmology of homogeneous and isotropic universe in Brans-Dicke theory. International Journal of Geometric Methods in Modern Physics, 2021, 18, 2150029.	0.8	3
68	Accelerating Universe with Binary Mixture of Dark Energy and Perfect Fluid in LRS Bianchi - V Space-Time. International Journal of Theoretical Physics, 2015, 54, 2175-2184.	0.5	2
69	$C$ -field cosmological models: revisited. Research in Astronomy and Astrophysics, 2016, 16, 188.	0.7	2
70	A Plane-Symmetric Inhomogeneous Cosmological Model of Perfect Fluid Distribution with Electromagnetic Field I. Communications in Theoretical Physics, 2010, 54, 191-196.	1.1	1
71	Accelerating universe with binary mixture of bulk viscous fluid and dark energy. International Journal of Modern Physics A, 2021, 36, 2150148.	0.5	1
72	Nonsingular solution with anisotropic fluid in mini bang cosmology. International Journal of Modern Physics D, 2020, 29, 2050118.	0.9	1

#	ARTICLE	IF	CITATIONS
73	Modeling of Bianchi type I accelerating Universe in Lyra's manifold. International Journal of Geometric Methods in Modern Physics, 2022, 19, .	0.8	1
74	About Influence of Gravity on Heat Conductivity Process of the Planets. International Journal of Theoretical Physics, 2016, 55, 1536-1542.	0.5	0
75	Gravitational Baryogenesis of Cosmological Constant Dominated Universe. Gravitation and Cosmology, 2021, 27, 331-337.	0.3	0
76	Reexamining RHDE models in FRW Universe with two IR cutoff with redshift parametrization. Indian Journal of Physics, 0, , 1.	0.9	0