Raj Bali

List of Publications by Year
in descending order

74 papers	746 citations	567281 15 h-index	610901 24 g-index
74 all docs	74 docs citations	74 times ranked	107 citing authors

#	ARTICLE	IF	CITATIONS
1	Bianchi Type I Magnetized String Cosmological Model in General Relativity. Astrophysics and Space Science, 2006, 302, 201-205.	1.4	53
2	Bianchi Type-III String Cosmological Model with Bulk Viscous Fluid in General Relativity. Astrophysics and Space Science, 2002, 282, 461-466.	1.4	49
3	Bianchi type IX string cosmological model in general relativity. Pramana - Journal of Physics, 2001, 56, 513-518.	1.8	44
4	L.R.S. Bianchi Type I string dust magnetized cosmological models. Astrophysics and Space Science, 2003, 283, 97-108.	1.4	44
5	Bianchi Type-V Bulk Viscous Fluid String Dust Cosmological Model In General Relativity. Astrophysics and Space Science, 2005, 300, 387-394.	1.4	37
6	Bulk Viscous Bianchi Type I Cosmological Models withÂTime-Dependent Cosmological Term Î›. International Journal of Theoretical Physics, 2008, 47, 3288-3297.	1.2	33
7	Bianchi Type-IX viscous fluid cosmological model in general relativity. Pramana - Journal of Physics, 2005, 64, 187-196.	1.8	31
8	Bianchi type-I cosmological model for perfect fluid distribution in Lyra geometry. Journal of Mathematical Physics, 2008, 49, 032502.	1.1	31
9	Bianchi type I inflationary universe in general relativity. Pramana - Journal of Physics, 2002, 59, 1-7.	1.8	27
10	Bianchi Type VI 0 Magnetized Barotropic Bulk Viscous Fluid Massive String Universe in General Relativity. International Journal of Theoretical Physics, 2008, 47, 2594-2604.	1.2	21
11	Bianchi type VI0 magnetized bulk viscous massive string cosmological model in General Relativity. Astrophysics and Space Science, 2008, 317, 21-26.	1.4	21
12	Tilted Cosmological Models Filled with Disordered Radiation in General Relativity. Astrophysics and Space Science, 2002, 281, 565-575.	1.4	19
13	Bianchi type â€“ IX string cosmological models with bulk viscous fluid in general relativity. Astrophysics and Space Science, 2003, 288, 503-509.	1.4	18
14	Conformally flat tilted Bianchi Type-V cosmological models in general relativity. Pramana - Journal of Physics, 2004, 62, 1007-1014.	1.8	18
15	A cylindrically symmetric inhomogeneous cosmological model with electromagnetic field. General Relativity and Gravitation, 1989, 21, 797-806.	2.0	17
16	A gravitationally non-degenerate cosmological model with expanding and shearing viscous fluid in general relativity. Astrophysics and Space Science, 1987, 139, 175-181.	1.4	13
17	THE BIANCHI TYPE V MAGNETIZED STRING DUST COSMOLOGICAL MODEL IN GENERAL RELATIVITY. International Journal of Modern Physics D, 2007, 16, 1769-1781.	2.1	13
18	Bianchi Type V Barotropic Perfect Fluid Cosmological Model in Lyra Geometry. International Journal of Theoretical Physics, 2009, 48, 1523-1533.	1.2	12

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19	C-field Cosmological Models with Variable G in FRW Space–Time. International Journal of Theoretical Physics, 2009, 48, 3410-3415.	1.2	12
20	Inflationary Scenario in Bianchi Type I Space-Time. International Journal of Theoretical Physics, 2011, 50, 3043-3048.	1.2	12
21	Magnetized cylindrically symmetric universe in general relativity. Pramana - Journal of Physics, 1996, 47, 25-31.	1.8	11
22	Tilted Bianchi Type I stiff fluid magnetized cosmological model in general relativity. Astrophysics and Space Science, 2003, 283, 11-22.	1.4	11
23	Stiff magnetofluid cosmological model. International Journal of Theoretical Physics, 1988, 27, 627-633.	1.2	10
24	Tilted Bianchi type I dust fluid cosmological model in general relativity. Pramana - Journal of Physics, 2002, 58, 457-463.	1.8	10
25	Bianchi type-III bulk viscous dust filled universe in Lyra geometry. Astrophysics and Space Science, 2008, 318, 225-230.	1.4	10
26	Inhomogeneous cosmological models with electromagnetic field in general relativity. Astrophysics and Space Science, 1987, 134, 47-54.	1.4	9
27	Bianchi Type V Magnetized String Dust Bulk Viscous Fluid Cosmological Model with Variable Magnetic Permeability. International Journal of Theoretical Physics, 2009, 48, 476-486.	1.2	9
28	Bianchi type-III non-static magnetized cosmological model for perfect fluid distribution in general relativity. Astrophysics and Space Science, 2007, 311, 401-406.	1.4	8
29	Bianchi type V viscous fluid cosmological models in presence of decaying vacuum energy. Astrophysics and Space Science, 2012, 341, 701-706.	1.4	8
30	Inhomogeneous viscous fluid cosmological model with electromagnetic field in general relativity. Astrophysics and Space Science, 1987, 138, 71-77.	1.4	7
31	Some Viscous Fluid Cosmological Models in General Relativity. Astrophysics and Space Science, 1997, 254, 13-23.	1.4	7
32	Bianchi Type III Cosmological Models for Barotropic Perfect Fluid Distribution with Variable G and Λ. International Journal of Theoretical Physics, 2010, 49, 1431-1438.	1.2	7
33	Bianchi type-I bulk viscous fluid string dust magnetized cosmological model in general relativity. Pramana - Journal of Physics, 2004, 63, 481-490.	1.8	6
34	BIANCHI TYPE I MAGNETIZED DUST FILLED UNIVERSE IN LYRA GEOMETRY. International Journal of Modern Physics A, 2010, 25, 4839-4848.	1.5	6
35	Cosmological Models with Variable G in C-Field Cosmology. International Journal of Theoretical Physics, 2011, 50, 27-34.	1.2	6
36	Bulk Viscous Bianchi Type I Barotropic Fluid Cosmological Model with Varying Λ and Functional Relation on Hubble Parameter. International Journal of Theoretical Physics, 2012, 51, 772-777.	1.2	6

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37	Magneto-viscous fluid cosmological model of plane symmetry in general relativity. Astrophysics and Space Science, 1984, 107, 155-165.	1.4	5
38	LRS Bianchi Type V bulk viscous fluid string dust cosmological model in general relativity. Astrophysics and Space Science, 2003, 288, 517-521.	1.4	5
39	Magnetized Stiff Fluid Cylindrically Symmetric Universe with Two Degrees of Freedom in General Relativity. International Journal of Theoretical Physics, 2008, 47, 2218-2229.	1.2	5
40	Bianchi Type-III Cosmological Models with Time Dependent Displacement Vector for Barotropic Fluid Distribution in Lyra Geometry. International Journal of Theoretical Physics, 2009, 48, 3101-3109.	1.2	5
41	Bianchi Type I String Dust Magnetized Cosmological Models in Lyra Geometry. Communications in Theoretical Physics, 2010, 54, 197-202.	2.5	5
42	BIANCHI TYPE-I STRING DUST COSMOLOGICAL MODELS IN LYRA GEOMETRY. International Journal of Modern Physics A, 2010, 25, 3043-3054.	1.5	5
43	Bulk Viscosity and Decaying Vacuum Density in Friedmann Universe. International Journal of Theoretical Physics, 2012, 51, 3828-3838.	1.2	5
44	BIANCHI TYPE VI0 INFLATIONARY COSMOLOGICAL MODEL IN GENERAL RELATIVITY. International Journal of Modern Physics Conference Series, 2013, 22, 593-602.	0.7	5
45	Viscous fluid cosmological model of cylindrical symmetry in the presence of magnetic field. Astrophysics and Space Science, 1987, 138, 173-182.	1.4	4
46	Tilted Bianchi Type I Cosmological Models for Barotropic Perfect Fluid in General Relativity. Astrophysics and Space Science, 2004, 293, 367-380.	1.4	4
47	Bianchi Type III magnetized massive string cosmological model for perfect fluid distribution in general relativity. Astrophysics and Space Science, 2008, 318, 237-242.	1.4	4
48	Inflationary scenario in Bianchi Type V space-time for a barotropic fluid distribution with variable bulk viscosity and vacuum energy density. Gravitation and Cosmology, 2016, 22, 394-403.	1.1	4
49	Some magnetohydrostatic models of cylindrical symmetry in general relativity. Journal of Mathematical Physics, 1984, 25, 1456-1459.	1.1	3
50	Some inhomogeneous cosmological models of plane symmetry with electromagnetic field. Astrophysics and Space Science, 1987, 139, 365-372.	1.4	3
51	Linearly Varying Deceleration Parameter in Viscous Bianchi Type I Universe. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2013, 83, 129-136.	1.2	3
52	C-Field Cosmological Model for Barotropic Fluid Distribution with Varying $\hat{Î}$ in FRW Space Time. International Journal of Theoretical Physics, 2013, 52, 1645-1653.	1.2	3
53	LRS Bianchi Type II Massive String Cosmological Model for Stiff Fluid Distribution with Decaying Vacuum Energy ($\hat{Î}$). International Journal of Theoretical Physics, 2014, 53, 2082-2090.	1.2	3
54	Magnetized Stiff Fluid Tilted Universe for Perfect Fluid Distribution in General Relativity. Astrophysics and Space Science, 1998, 262, 89-96.	1.4	2

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55	Bianchi Type I string dust cosmological model with magnetic field in general relativity. Astrophysics and Space Science, 2007, 312, 305-310.	1.4	2
56	Bianchi Type V magnetized string dust cosmological models with Petrov-type degenerate. Pramana - Journal of Physics, 2009, 72, 787-796.	1.8	2
57	CHAOTIC INFLATIONARY SCENARIO IN BIANCHI TYPE I SPACETIME. Modern Physics Letters A, 2012, 27, 1250049.	1.2	2
58	<i>C</i>-field cosmological model for barotropic fluid distribution with bulk viscosity and decaying vacuum energy (Î›) in FRW spaceâ€"time. Canadian Journal of Physics, 2013, 91, 728-732.	1.1	2
59	LRS Bianchi type I stiff fluid inflationary universe with variable bulk viscosity. Canadian Journal of Physics, 2014, 92, 365-369.	1.1	2
60	Aspects of inflation in spatially homogeneous and anisotropic Bianchi Type I spacetime with exponential potential. Modern Physics Letters A, 2018, 33, 1850238.	1.2	2
61	LRS Bianchi Type II Inflationary Universe with Massless Scalar Field. ISRN Astronomy and Astrophysics, 2011, 2011, 1-3.	0.2	2
62	Viscous Bianchi Type I Universe with Stiff Matter and Decaying Vacuum Energy Density. ISRN Mathematical Analysis, 2012, 2012, 1-11.	0.4	1
63	Inflationary Scenario in Bianchi Type IX Spaceâ€"Time with Massless Scalar Field. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2013, 83, 115-117.	1.2	1
64	Locally rotationally symmetric (LRS) Bianchi type II string dust viscous fluid cosmological models in Lyra geometry. Canadian Journal of Physics, 2014, 92, 1714-1719.	1.1	1
65	Bianchi Type I Magnetized Barotropic Perfect Fluid Cosmological Model in General Relativity. International Journal of Theoretical Physics, 2009, 48, 1186-1193.	1.2	0
66	TILTED BIANCHI TYPE-V BAROTROPIC FLUID COSMOLOGICAL MODELS WITH VARIABLE BULK VISCOSITY IN GENERAL RELATIVITY. International Journal of Modern Physics A, 2011, 26, 4299-4310.	1.5	0
67	Bianchi Typeâ€"IX Barotropic Fluid Model with Time-Dependent Displacement Vector in Lyra Geometry. ISRN Mathematical Analysis, 2012, 2012, 1-9.	0.4	0
68	Spatially Homogeneous Bianchi Type IX Dust Filled Universe with Time Dependent Displacement Vector in Lyra Geometry. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2012, 82, 125-128.	1.2	0
69	Bianchi Type III Dust Filled Universe with Time Dependent Î› in C-Field Cosmology. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2013, 83, 29-32.	1.2	0
70	Bianchi Type I Magnetized Stiff Fluid Models with Bulk Viscosity in Lyra Geometry. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2013, 83, 317-326.	1.2	0
71	Bianchi Type-I String Dust Models with Bulk Viscosity in Lyra Geometry. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2014, 84, 391-395.	1.2	0
72	C-field cosmology for barotropic fluid distribution with variable bulk viscosity and vacuum energy (Î›) in Friedmannâ€"Robertsonâ€"Walker (FRW) spaceâ€"time. Canadian Journal of Physics, 2015, 93, 14-17.	1.1	0

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73	Locally rotationally symmetric Bianchi type I massive string cosmological model with vacuum energy density and magnetic field in general relativity. Canadian Journal of Physics, 2016, 94, 267-270.	1.1	0
74	The quasi-steady-state cosmology in a radiation-dominated phase. Modern Physics Letters A, 2019, 34, 1950262.	1.2	0