

Marcelo Byrro Ribeiro

List of Publications by Year in descending order

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48
papers

915
citations

430754

18
h-index

454834

30
g-index

57
all docs

57
docs citations

57
times ranked

360
citing authors

#	ARTICLE	IF	CITATIONS
1	TESTING THE DISTANCE-QUALITY RELATION WITH GALAXY CLUSTERS AND TYPE Ia SUPERNOVAE. <i>Astrophysical Journal Letters</i> , 2010, 722, L233-L237.	3.0	116
2	Cosmic distance duality relation and the shape of galaxy clusters. <i>Astronomy and Astrophysics</i> , 2011, 528, L14.	2.1	78
3	Zipf law for Brazilian cities. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 367, 441-448.	1.2	61
4	Probing the cosmic distance-duality relation with the Sunyaev-Zeldovich effect, X-ray observations and supernovae Ia. <i>Astronomy and Astrophysics</i> , 2012, 538, A131.	2.1	52
5	On modeling a relativistic hierarchical (fractal) cosmology by Tolman's spacetime. I - Theory. <i>Astrophysical Journal</i> , 1992, 388, 1.	1.6	47
6	The Gompertz-Pareto income distribution. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 689-698.	1.2	42
7	Evidence for the Gompertz curve in the income distribution of Brazil 1978-2005. <i>European Physical Journal B</i> , 2009, 67, 101-120.	0.6	41
8	Fractal analysis of the galaxy distribution in the redshift range $0.45 < z < 5.0$. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 417, 332-344.	1.2	36
9	Fractals and the Distribution of Galaxies. <i>Brazilian Journal of Physics</i> , 1998, 28, 132.	0.7	34
10	Tsallis statistics in the income distribution of Brazil. <i>Chaos, Solitons and Fractals</i> , 2016, 88, 158-171.	2.5	30
11	Bianchi VI viscous fluid cosmology with magnetic field. <i>Journal of Mathematical Physics</i> , 1987, 28, 657-660.	0.5	27
12	On Modeling a Relativistic Hierarchical (Fractal) Cosmology by Tolman's Spacetime. III. Numerical Results. <i>Astrophysical Journal</i> , 1993, 415, 469.	1.6	27
13	Testing the Goodwin growth-cycle macroeconomic dynamics in Brazil. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 2088-2103.	1.2	26
14	On modeling a relativistic hierarchical (fractal) cosmology by Tolman's spacetime. II - Analysis of the Einstein-de Sitter model. <i>Astrophysical Journal</i> , 1992, 395, 29.	1.6	25
15	Relativistic Cosmology Number Counts and the Luminosity Function. <i>Astrophysical Journal</i> , 2003, 592, 1-16.	1.6	24
16	Differential Density Statistics of the Galaxy Distribution and the Luminosity Function. <i>Astrophysical Journal</i> , 2007, 657, 760-772.	1.6	19
17	Fluid dynamics in the warp drive spacetime geometry. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	18
18	Cosmological distances and fractal statistics of galaxy distribution. <i>Astronomy and Astrophysics</i> , 2005, 429, 65-74.	2.1	18

#	ARTICLE	IF	CITATIONS
19	Observations in the Einstein-De Sitter cosmology: Dust statistics and limits of apparent homogeneity. <i>Astrophysical Journal</i> , 1995, 441, 477.	1.6	18
20	Dust content solutions for the Alcubierre warp drive spacetime. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	17
21	Oscillations in the Tsallis income distribution. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 533, 121967.	1.2	16
22	The Apparent Fractal Conjecture: Scaling Features in Standard Cosmologies. <i>General Relativity and Gravitation</i> , 2001, 33, 1699-1730.	0.7	15
23	Charged dust solutions for the warp drive spacetime. <i>General Relativity and Gravitation</i> , 2021, 53, 1.	0.7	13
24	SCALE INVARIANCE IN A PERTURBED EINSTEIN-DE SITTER COSMOLOGY. <i>Fractals</i> , 2001, 09, 451-462.	1.8	11
25	Spatial and observational homogeneities of the galaxy distribution in standard cosmologies. <i>Astronomy and Astrophysics</i> , 2008, 488, 55-66.	2.1	10
26	Perfect fluid warp drive solutions with the cosmological constant. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	10
27	THE APPARENT FRACTAL CONJECTURE. <i>Fractals</i> , 2001, 09, 237-240.	1.8	9
28	Fractal analysis of the UltraVISTA galaxy survey. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 813, 136034.	1.5	9
29	Anisotropic viscous-fluid cosmological model. <i>Astrophysics and Space Science</i> , 1987, 136, 331-336.	0.5	8
30	Relativistic cosmology number densities and the luminosity function. <i>Astronomy and Astrophysics</i> , 2012, 539, A112.	2.1	8
31	Relativistic cosmology number densities in void-Lemaître-Tolman-Bondi models. <i>Astronomy and Astrophysics</i> , 2014, 563, A20.	2.1	8
32	Relativistic Fractal Cosmologies. <i>NATO ASI Series Series B: Physics</i> , 1994, , 269-296.	0.2	6
33	Cosmological model dependence of the galaxy luminosity function: far-infrared results in the Lemaître-Tolman-Bondi model. <i>Astronomy and Astrophysics</i> , 2013, 558, A15.	2.1	5
34	Galaxy cosmological mass function. <i>Astronomy and Astrophysics</i> , 2014, 572, A27.	2.1	5
35	Star Formation in Satellite Galaxies. <i>Astronomical Journal</i> , 2006, 132, 596-607.	1.9	4
36	Testing cosmological models with the brightness profile of distant galaxies. <i>Astrophysics and Space Science</i> , 2021, 366, 1.	0.5	3

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37	Cosmologia e pluralismo teórico. <i>Scientiae Studia</i> , 2004, 2, 519-535.	0.1	2
38	Effect of different cosmologies on the galaxy stellar mass function. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 3098-3111.	1.6	2
39	A Fortran code for null geodesic solutions in the Lemaître-Tolman-Bondi spacetime. <i>Computer Physics Communications</i> , 2002, 148, 236-241.	3.0	1
40	High-derivatives and massive electromagnetic models in the Lemaître-Tolman-Bondi spacetime. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	1
41	RADIAL DENSITY STATISTICS OF THE GALAXY DISTRIBUTION AND THE LUMINOSITY FUNCTION. , 2012, , .		1
42	Cosmological models and the brightness profile of distant galaxies. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 329-329.	0.0	0
43	Economics and Econophysics. , 2020, , 3-55.		0
44	Measuring the Income Distribution. , 2020, , 56-104.		0
45	Piketty's Capital in the Twenty-First Century. , 2020, , 105-144.		0
46	Stochastic Dynamics of Income and Wealth. , 2020, , 147-198.		0
47	Circular Flows in Economic Systems. , 2020, , 201-242.		0
48	Goodwin-Type Distributive Macrodynamics. , 2020, , 243-274.		0