

Jose Socorro Garcia

List of Publications by Year in descending order

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81
papers

762
citations

516710

16
h-index

610901

24
g-index

81
all docs

81
docs citations

81
times ranked

401
citing authors

#	ARTICLE	IF	CITATIONS
1	Hamilton's approach in cosmological inflation with an exponential potential and its observational constraints. <i>Astrophysics and Space Science</i> , 2019, 364, 1.	1.4	75
2	Quintom phase-space: Beyond the exponential potential. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 732, 285-297.	4.1	43
3	Gauge theory of the de Sitter group and the Ashtekar formulation. <i>Physical Review D</i> , 1994, 50, R3583-R3586.	4.7	36
4	Gauge Theory of Supergravity Based Only on a Self-Dual Spin Connection. <i>Physical Review Letters</i> , 1996, 76, 3482-3485.	7.8	31
5	SUPERSYMMETRIC QUANTUM COSMOLOGY. <i>International Journal of Modern Physics A</i> , 1993, 08, 4291-4317.	1.5	30
6	Supersymmetric quantum cosmology proposals and the Bianchi type-II model. <i>Physical Review D</i> , 1993, 47, 4471-4475.	4.7	30
7	Supersymmetric microsuperspace quantization for the Taub model. <i>Physical Review D</i> , 1992, 45, 2026-2032.	4.7	27
8	Supersymmetry breaking and a normalizable wavefunction for the FRW ($k = 0$) cosmological model. <i>Classical and Quantum Gravity</i> , 1999, 16, 2861-2870.	4.0	27
9	Supersymmetric quantum mechanics for Bianchi class A models. <i>Physical Review D</i> , 2000, 61, .	4.7	23
10	Computer algebra in gravity: Reduce-Excalc programs for (non-) Riemannian space-times. I. <i>Computer Physics Communications</i> , 1998, 115, 264-283.	7.5	22
11	$\hat{T} = We \hat{A} \pm \hat{T}$ Quantum cosmological solutions for class A Bianchi models. <i>International Journal of Theoretical Physics</i> , 1996, 35, 1381-1388.	1.2	21
12	On noncommutative minisuperspace and the Friedmann equations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 697, 271-274.	4.1	20
13	Plebanski-Demianski-like solutions in metric-affine gravity. <i>Classical and Quantum Gravity</i> , 1998, 15, 1793-1799.	4.0	19
14	SCALAR POTENTIALS OUT OF CANONICAL QUANTUM COSMOLOGY. <i>International Journal of Modern Physics D</i> , 2007, 16, 641-653.	2.1	18
15	Noncommutativity and scalar field cosmology. <i>Physical Review D</i> , 2007, 76, .	4.7	16
16	Noncommutative Bianchi Type II Quantum Cosmology. <i>International Journal of Theoretical Physics</i> , 2007, 46, 2928-2934.	1.2	16
17	Colliding waves in metric-affine gravity. <i>Physical Review D</i> , 1998, 57, 3457-3462.	4.7	15
18	Solitonic monopole solution in metric-affine gauge theory carrying Weyl charges. <i>Classical and Quantum Gravity</i> , 1998, 15, 445-452.	4.0	14

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19	One-parameter family of closed, radiation-filled Friedmann-Robertson-Walker quantum universes. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 223, 28-30.	2.1	13
20	Supersymmetric quantum cosmology: The physical states. Physical Review D, 1998, 57, 1027-1033.	4.7	13
21	Scalar potentials with multi-scalar fields from quantum cosmology and supersymmetric quantum mechanics. European Physical Journal Plus, 2017, 132, 1.	2.6	13
22	Supersymmetric FRW model and the ground state of supergravity. Classical and Quantum Gravity, 1999, 16, 797-812.	4.0	12
23	Inflation from supersymmetric quantum cosmology. Physical Review D, 2010, 82, .	4.7	12
24	Quintom Potentials from Quantum Cosmology Using the FRW Cosmological Model. International Journal of Theoretical Physics, 2013, 52, 2722-2734.	1.2	12
25	Variable cosmological term $\hat{\nu}(\tau)$ $\lambda(t)$. Astrophysics and Space Science, 2015, 360, 1.	1.4	12
26	SPONTANEOUS BREAKING OF SUPERSYMMETRY IN COSMOLOGICAL MODELS AND SUPERGRAVITY THEORIES. Modern Physics Letters A, 1999, 14, 1209-1216.	1.2	11
27	Soliton Structures in a Molecular Chain Model with Saturation. International Journal of Theoretical Physics, 2009, 48, 670-683.	1.2	11
28	Classical and quantum exact solutions for a FRW in chiral like cosmology. Classical and Quantum Gravity, 2021, 38, 135027.	4.0	11
29	Classical Solutions from Quantum Regime for Barotropic FRW Model. International Journal of Theoretical Physics, 2003, 42, 2087-2096.	1.2	10
30	Factorization approach for barotropic FRW model with a cosmological constant. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 313, 338-342.	2.1	10
31	Classical Bianchi Type I Cosmology in K-Essence Theory. Advances in High Energy Physics, 2014, 2014, 1-11.	1.1	10
32	Bianchi VI0 models in N=2, D=5 supergravity. General Relativity and Gravitation, 1993, 25, 1159-1164.	2.0	8
33	Multipole-like solutions in metric-affine gravity. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 244, 317-323.	2.1	8
34	Electrovacuum sector of the MAG theories. Classical and Quantum Gravity, 1999, 16, 93-100.	4.0	8
35	Bianchi V models in N=2, D=5 supergravity. International Journal of Theoretical Physics, 1995, 34, 701-706.	1.2	7
36	Self-dual gravity and self-dual Yang-Mills theory in the context of the Macdowell-Mansouri formalism. Physical Review D, 1999, 59, .	4.7	7

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37	NON-COMMUTATIVE BIANCHI QUANTUM COSMOLOGY. International Journal of Modern Physics D, 2007, 16, 1625-1632.	2.1	6
38	Scalar Field in the Bianchi I: Noncommutative Classical and Quantum Cosmology. International Journal of Theoretical Physics, 2009, 48, 3567-3585.	1.2	6
39	CLASSICAL SOLUTIONS IN FIVE-DIMENSIONAL-INDUCED MATTER THEORY AND ITS RELATION TO AN IMPERFECT FLUID. International Journal of Modern Physics A, 1996, 11, 5495-5504.	1.5	5
40	Generalized Reissner-Nordström solution in metric-affine gravity. Classical and Quantum Gravity, 1999, 16, 2323-2333.	4.0	5
41	Quantum Bianchi Type IX Cosmology in K-Essence Theory. International Journal of Theoretical Physics, 2014, 53, 3066-3077.	1.2	5
42	Classical and Quantum Exact Solutions for a FRW Multiscalar Field Cosmology with an Exponential Potential Driven Inflation. Advances in Mathematical Physics, 2018, 2018, 1-9.	0.8	5
43	Anisotropic chiral cosmology: Exact solutions. International Journal of Modern Physics D, 2021, 30, 2150080.	2.1	5
44	Supersymmetric one-parameter strict isospectrality for the attractive potentials. Journal of Physics A, 1998, 31, 8835-8839.	1.6	4
45	Transform of Riccati equation of constant coefficients through fractional procedure. Journal of Physics A, 2003, 36, 1087-1093.	1.6	4
46	Wave functions in SUSY cosmological models with matter. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 340, 51-58.	2.1	4
47	(Non)commutative Isotropization in Bianchi I with Barotropic Perfect Fluid and $\hat{\rho}$ Cosmological. International Journal of Theoretical Physics, 2008, 47, 1240-1251.	1.2	4
48	FRW in Cosmological Self-creation Theory. International Journal of Theoretical Physics, 2013, 52, 2867-2878.	1.2	4
49	Classical and quantum exact solutions for the anisotropic Bianchi type I in multi-scalar field cosmology with an exponential potential driven inflation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 809, 135667.	4.1	4
50	Two-dimensional Fokker - Planck solutions and Grassmann variables. Journal of Physics A, 1996, 29, 1825-1829.	1.6	3
51	Dual symmetry and the vacuum energy. Physical Review D, 1999, 60, .	4.7	3
52	Inflation from supersymmetric quantum cosmology. Physical Review D, 2004, 69, .	4.7	3
53	Time-dependent toroidal compactification proposals and the Bianchi type II model: Classical and quantum solutions. European Physical Journal Plus, 2016, 131, 1.	2.6	3
54	Ermakov Approach for Minisuperspace Oscillators. International Journal of Theoretical Physics, 2002, 41, 39-43.	1.2	2

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55	Towards Noncommutative Supersymmetric Quantum Cosmology. , 2010, , .		2
56	Cosmological volume acceleration in dust epoch: using scaling solutions and variable cosmological term $\Lambda(t)$ within an anisotropic cosmological model. Astrophysics and Space Science, 2020, 365, 1.	1.4	2
57	Supersymmetric Taub model, the micro-superspace sector. Astrophysics and Space Science, 1992, 193, 61-68.	1.4	1
58	CLASSICAL AND QUANTUM TIME DEPENDENT SOLUTIONS IN STRING THEORY. International Journal of Modern Physics A, 2004, 19, 5651-5661.	1.5	1
59	Mass quantization in quantum and susy cosmological models with matter content. Journal of Physics: Conference Series, 2005, 24, 167-172.	0.4	1
60	Iso-Spectral Potentials and Inflationary Quantum Cosmology. International Journal of Theoretical Physics, 2006, 45, 2483-2496.	1.2	1
61	Quantom Potential from Quantum Anisotropic Cosmological Models. , 2012, , .		1
62	FRW in cosmological self-creation theory: Hamiltonian approach. , 2013, , .		1
63	Searching solutions by Lagrange-Charpit method in cosmology: Bianchi type I toy model in self creation cosmology. , 2014, , .		1
64	Time-varying cosmological term. Journal of Physics: Conference Series, 2015, 654, 012007.	0.4	1
65	Time-Dependent Toroidal Compactification Proposals and the Bianchi Type I Model: Classical and Quantum Solutions. Advances in High Energy Physics, 2016, 2016, 1-12.	1.1	1
66	Cosmologies with Scalar Fields from Higher Dimensions Applied to Bianchi Type VI _{h=-1} Model: Classical and Quantum Solutions. Advances in High Energy Physics, 2018, 2018, 1-13.	1.1	1
67	Noncommutative Friedmann equations in effective LQC. International Journal of Modern Physics D, 2020, 29, 2050039.	2.1	1
68	Noncommutative effective loop quantum cosmology: Inclusion of a potential term. Physical Review D, 2021, 104, .	4.7	1
69	Supergravity as gauge theory and the Ashtekar formulation. AIP Conference Proceedings, 1996, , .	0.4	0
70	Classical and quantum solutions from string theory. Journal of Physics: Conference Series, 2005, 24, 173-178.	0.4	0
71	Mass Parameter Quantization in the FRW Cosmological Model. International Journal of Theoretical Physics, 2007, 46, 553-561.	1.2	0
72	Parameter Region for Existence of Non-classical Solitons. International Journal of Theoretical Physics, 2010, 49, 1612-1621.	1.2	0

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73	Noncommutativity and the Friedmann Equations. , 2010, , .		0
74	Bianchi class A models in Sañez-Ballester's theory. , 2012, , .		0
75	Quintom potentials from quantum cosmology. , 2012, , .		0
76	Quintom potentials from a quantum anisotropic model. , 2013, , .		0
77	FRW in cosmological self-creation theory. , 2013, , .		0
78	Noncommutative Quantum Anisotropic cosmology in K-essence. Journal of Physics: Conference Series, 2014, 545, 012005.	0.4	0
79	Anisotropic cosmology in K-essence theory. Journal of Physics: Conference Series, 2014, 545, 012015.	0.4	0
80	An effective non-commutative loop quantum cosmology. Journal of Physics: Conference Series, 2015, 654, 012003.	0.4	0
81	Cosmologies with scalar fields from higher dimensions: K-essence like fields. Journal of Physics: Conference Series, 2018, 1030, 012010.	0.4	0