

Ewa Czuchry

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

185
citations

1040056

9
h-index

1058476

14
g-index

20
all docs

20
docs citations

20
times ranked

60
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Mixmaster as a Model of the Primordial Universe. Universe, 2020, 6, 7.	2.5	16
2	Quantum Toda-like regularisation of the Mixmaster anisotropy. Journal of Physics: Conference Series, 2019, 1194, 012022.	0.4	0
3	Comparing the dynamics of diagonal and general Bianchi IX spacetime. European Physical Journal C, 2019, 79, 1.	3.9	1
4	Integrable Toda system as a quantum approximation to the anisotropy of the mixmaster universe. Physical Review D, 2018, 98, .	4.7	7
5	Coherent States Quantization and Affine Symmetry in Quantum Models of Gravitational Singularities. Springer Proceedings in Physics, 2018, , 281-309.	0.2	0
6	Do spikes persist in a quantum treatment of spacetime singularities?. Physical Review D, 2017, 95, .	4.7	9
7	Spectral properties of the quantum Mixmaster universe. Physical Review D, 2017, 96, .	4.7	12
8	Vibronic framework for quantum mixmaster universe. Physical Review D, 2016, 93, .	4.7	12
9	Nonadiabatic bounce and an inflationary phase in the quantum mixmaster universe. Physical Review D, 2016, 93, .	4.7	8
10	Singularity avoidance in a quantum model of the Mixmaster universe. Physical Review D, 2015, 92, .	4.7	29
11	Smooth quantum dynamics of the mixmaster universe. Physical Review D, 2015, 92, .	4.7	26
12	Bianchi IX model: Reducing phase space. Physical Review D, 2013, 87, .	4.7	10
13	Dynamics of the Bianchi IX model near the cosmological singularity. , 2013, , .		0
14	Dynamics of a self gravitating light-like shell with spherical symmetry. Classical and Quantum Gravity, 2010, 27, 235007.	4.0	2
15	Inflationary predictions at small $\hat{\rho}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 678, 9-14.	4.1	1
16	Dynamics of a self-gravitating shell of matter. Physical Review D, 2005, 72, .	4.7	7
17	Dynamics of a gravitational field within a wave front and thermodynamics of black holes. Physical Review D, 2004, 70, .	4.7	9
18	Dynamics of a self-gravitating lightlike matter shell: A gauge-invariant Lagrangian and Hamiltonian description. Physical Review D, 2002, 65, .	4.7	19

#	ARTICLE	IF	CITATIONS
19	Geometry of null-like surfaces in general relativity and its application to dynamics of gravitating matter. Reports on Mathematical Physics, 2000, 46, 399-418.	0.8	17
20	Multipole moments in Kaluza-Klein theories. Classical and Quantum Gravity, 1998, 15, 509-518.	4.0	0