

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	Singularity avoidance in a quantum model of the Mixmaster universe. <i>Physical Review D</i> , 2015, 92, .	4.7	29
2	Smooth quantum dynamics of the mixmaster universe. <i>Physical Review D</i> , 2015, 92, .	4.7	26
3	Dynamics of a self-gravitating lightlike matter shell: A gauge-invariant Lagrangian and Hamiltonian description. <i>Physical Review D</i> , 2002, 65, .	4.7	19
4	Geometry of null-like surfaces in general relativity and its application to dynamics of gravitating matter. <i>Reports on Mathematical Physics</i> , 2000, 46, 399-418.	0.8	17
5	Quantum Mixmaster as a Model of the Primordial Universe. <i>Universe</i> , 2020, 6, 7.	2.5	16
6	Vibronic framework for quantum mixmaster universe. <i>Physical Review D</i> , 2016, 93, .	4.7	12
7	Spectral properties of the quantum Mixmaster universe. <i>Physical Review D</i> , 2017, 96, .	4.7	12
8	Bianchi IX model: Reducing phase space. <i>Physical Review D</i> , 2013, 87, .	4.7	10
9	Dynamics of a gravitational field within a wave front and thermodynamics of black holes. <i>Physical Review D</i> , 2004, 70, .	4.7	9
10	Do spikes persist in a quantum treatment of spacetime singularities?. <i>Physical Review D</i> , 2017, 95, .	4.7	9
11	Nonadiabatic bounce and an inflationary phase in the quantum mixmaster universe. <i>Physical Review D</i> , 2016, 93, .	4.7	8
12	Dynamics of a self-gravitating shell of matter. <i>Physical Review D</i> , 2005, 72, .	4.7	7
13	Integrable Toda system as a quantum approximation to the anisotropy of the mixmaster universe. <i>Physical Review D</i> , 2018, 98, .	4.7	7
14	Dynamics of a self gravitating light-like shell with spherical symmetry. <i>Classical and Quantum Gravity</i> , 2010, 27, 235007.	4.0	2
15	Inflationary predictions at small $\hat{\rho}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 678, 9-14.	4.1	1
16	Comparing the dynamics of diagonal and general Bianchi IX spacetime. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	1
17	Multipole moments in Kaluza-Klein theories. <i>Classical and Quantum Gravity</i> , 1998, 15, 509-518.	4.0	0
18	Dynamics of the Bianchi IX model near the cosmological singularity. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
19	Quantum Toda-like regularisation of the Mixmaster anisotropy. Journal of Physics: Conference Series, 2019, 1194, 012022.	0.4	0
20	Coherent States Quantization and Affine Symmetry in Quantum Models of Gravitational Singularities. Springer Proceedings in Physics, 2018, , 281-309.	0.2	0