Giacomo Rosati

List of Publications by Year
in descending order

33 papers	**582** citations	759233 **12** h-index	610901 **24** g-index
33 all docs	**33** docs citations	**33** times ranked	**208** citing authors

#	Article	IF	Citations
1	Taming Nonlocality in Theories with Planck-Scale Deformed Lorentz Symmetry. Physical Review Letters, 2011, 106, 071301.	7.8	71
2	In Âvacuo dispersion features for gamma-ray-burst neutrinos and photons. Nature Astronomy, 2017, 1, .	10.1	66
3	Relative-locality distant observers and the phenomenology of momentum-space geometry. Classical and Quantum Gravity, 2012, 29, 075007.	4.0	61
4	Speed of particles and a relativity of locality in κ-Minkowski quantum spacetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 150-156.	4.1	53
5	Planck-scale-modified dispersion relations in FRW spacetime. Physical Review D, 2015, 92, .	4.7	48
6	IceCube and GRB neutrinos propagating in quantum spacetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 318-325.	4.1	40
7	OPERA-REASSESSING DATA ON THE ENERGY DEPENDENCE OF THE SPEED OF NEUTRINOS. International Journal of Modern Physics D, 2011, 20, 2623-2640.	2.1	33
8	Symmetries of quantum spacetime in three dimensions. Physical Review D, 2016, 94, .	4.7	33
9	Deformed Lorentz symmetry and relative locality in a curved/expanding spacetime. Physical Review D, 2012, 86, .	4.7	27
10	Relative locality in a quantum spacetime and the pregeometry of κ-Minkowski. European Physical Journal C, 2013, 73, 1.	3.9	21
11	Generally covariant formulation of relative locality in curved spacetime. Physical Review D, 2014, 89, .	4.7	18
12	κ -deformed complex fields and discrete symmetries. Physical Review D, 2021, 103, .	4.7	13
13	Quantum-gravity-induced dual lensing and IceCube neutrinos. International Journal of Modern Physics D, 2017, 26, 1750076.	2.1	11
14	Relative-locality phenomenology on Snyder spacetime. Classical and Quantum Gravity, 2018, 35, 145006.	4.0	10
15	Noncommutative Fourier transform for the Lorentz group via the Duflo map. Physical Review D, 2019, 99, .	4.7	10
16	Planck-scale-deformed relativistic symmetries and diffeomorphisms in momentum space. Physical Review D, 2020, 101, .	4.7	10
17	Phenomenology of curvature-induced quantum-gravity effects. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136595.	4.1	9
18	Multiparticle systems in κ-Poincaré inspired by (2+1)D gravity. Physical Review D, 2015, 91, .	4.7	8

#	Article	IF	Citations
19	<math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>κ</mml:mi></mml:math> display="inline"><mml:mi>κ</mml:mi></mml:math> â€"de Sitter and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>κ</mml:mi></mml:math> -PoincarÃ© symmetries emerging from Chern-Simons <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mo		