

Jerome Perez

List of Publications by Year in descending order

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18
papers

169
citations

1307594

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h-index

1125743

13
g-index

18
all docs

18
docs citations

18
times ranked

113
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissipationless collapse of a set of N massive particles. Monthly Notices of the Royal Astronomical Society, 2004, 348, 62-72.	4.4	35
2	Stability of spherical stellar systems -- I. Analytical results. Monthly Notices of the Royal Astronomical Society, 1996, 280, 689-699.	4.4	29
3	Thermodynamics of a two-dimensional unbounded self-gravitating system. Physical Review E, 1999, 60, 5185-5190.	2.1	28
4	The Jungle Universe: coupled cosmological models in a Lotka-Volterra framework. General Relativity and Gravitation, 2014, 46, 1.	2.0	18
5	Stability of spherical stellar systems -- II. Numerical results. Monthly Notices of the Royal Astronomical Society, 1996, 280, 700-710.	4.4	13
6	Statistical mechanics of self-gravitating systems: Mixing as a criterion for indistinguishability. Physical Review D, 2014, 90, .	4.7	9
7	Radial Orbit Instability: Review and Perspectives. Transport Theory and Statistical Physics, 2011, 40, 425-439.	0.4	8
8	Comparison of mean and osculating stability in the vicinity of the (2:1) tesseral resonant surface. Acta Astronautica, 2015, 111, 170-177.	3.2	7
9	Stability of rotating spherical stellar systems. Monthly Notices of the Royal Astronomical Society, 1999, 305, 859-865.	4.4	6
10	Isochrony in 3D Radial Potentials. Communications in Mathematical Physics, 2018, 363, 605-653.	2.2	5
11	The geometry of isochrone orbits: from Archimedes' parabolae to Kepler's third law. Celestial Mechanics and Dynamical Astronomy, 2020, 132, 1.	1.4	4
12	New methods of isochrone mechanics. Journal of Mathematical Physics, 2021, 62, 112704.	1.1	4
13	Gravity, dimension, equilibrium, and thermodynamics. Comptes Rendus Physique, 2006, 7, 406-413.	0.9	3
14	Vlasov and Poisson Equations in the Context of Self-Gravitating Systems. Transport Theory and Statistical Physics, 2005, 34, 391-406.	0.4	0
15	Dynamics of Anisotropic Universes. AIP Conference Proceedings, 2006, , .	0.4	0
16	Integrability of anisotropic and homogeneous Universes in scalar-tensor theory of gravitation. Classical and Quantum Gravity, 2007, 24, 2901-2915.	4.0	0
17	Equilibrium of stellar dynamical systems in the context of the Vlasov-Poisson model. Communications in Nonlinear Science and Numerical Simulation, 2008, 13, 153-157.	3.3	0
18	The status of isochrony in the formation and evolution of self-gravitating systems. Monthly Notices of the Royal Astronomical Society, 2019, , .	4.4	0