

Jerome Perez

List of Publications by Year in descending order

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18
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1307594

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113
citing authors

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