

Ioannis V Sideris

List of Publications by Year in descending order

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19
papers

331
citations

759233

12
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

178
citing authors

#	ARTICLE	IF	CITATIONS
1	Using a 10-Year Radar Archive for Nowcasting Precipitation Growth and Decay: A Probabilistic Machine Learning Approach. <i>Weather and Forecasting</i> , 2019, 34, 1547-1569.	1.4	39
2	Transient chaos and resonant phase mixing in violent relaxation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 341, 927-936.	4.4	36
3	Chaotic mixing in noisy Hamiltonian systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 311, 719-732.	4.4	24
4	Smooth Potential Chaos and N-body Simulations. <i>Astrophysical Journal</i> , 2003, 585, 244-249.	4.5	24
5	Fluctuations Do Matter: Large Noise-Enhanced Halos in Charged-Particle Beams. <i>Physical Review Letters</i> , 2003, 91, 264801.	7.8	23
6	Chaos and the continuum limit in the gravitational N-body problem: Integrable potentials. <i>Physical Review E</i> , 2001, 64, 056209.	2.1	21
7	Chaos in cuspy triaxial galaxies with a supermassive black hole: a simple toy model. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2002, 82, 61-81.	1.4	20
8	Supermassive Black Hole Binaries as Galactic Blenders. <i>Astrophysical Journal</i> , 2003, 597, 111-130.	4.5	20
9	Chaotic orbits in thermal-equilibrium beams: Existence and dynamical implications. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2003, 6, .	1.8	19
10	Measure of orbital stickiness and chaos strength. <i>Physical Review E</i> , 2006, 73, 066217.	2.1	18
11	Weather Radar in Complex Orography. <i>Remote Sensing</i> , 2022, 14, 503.	4.0	17
12	Chaos and the continuum limit in the gravitational N-body problem. II. Nonintegrable potentials. <i>Physical Review E</i> , 2002, 65, 066203.	2.1	15
13	Chaos, ergodicity, and the thermodynamics of lower-dimensional time-independent Hamiltonian systems. <i>Physical Review E</i> , 2001, 65, 016214.	2.1	12
14	Production of enhanced beam halos via collective modes and colored noise. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2004, 7, .	1.8	12
15	Chaos and the continuum limit in charged particle beams. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2004, 7, .	1.8	11
16	Chaotic Collisionless Evolution in Galaxies and Charged-Particle Beams. <i>Annals of the New York Academy of Sciences</i> , 2005, 1045, 12-33.	3.8	8
17	Noise-enhanced Parametric Resonance in Perturbed Galaxies. <i>Astrophysical Journal</i> , 2004, 602, 678-684.	4.5	6
18	Characterization of Chaos: A New, Fast, and Effective Measure. <i>Annals of the New York Academy of Sciences</i> , 2005, 1045, 79-92.	3.8	4

#	ARTICLE	IF	CITATIONS
19	The validity of the continuum limit in the gravitational N-body problem. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2004, 90, 147-162.	1.4	2