Ioannis V Sideris

List of Publications by Year
in descending order

		759233	839539
19 papers	331 citations	12 h-index	18 g-index
19 all docs	19 docs citations	19 times ranked	178 citing authors

#	Article	IF	Citations
1	Weather Radar in Complex Orography. Remote Sensing, 2022, 14, 503.	4.0	17
2	Using a 10-Year Radar Archive for Nowcasting Precipitation Growth and Decay: A Probabilistic Machine Learning Approach. Weather and Forecasting, 2019, 34, 1547-1569.	1.4	39
3	Measure of orbital stickiness and chaos strength. Physical Review E, 2006, 73, 066217.	2.1	18
4	Chaotic Collisionless Evolution in Galaxies and Charged-Particle Beams. Annals of the New York Academy of Sciences, 2005, 1045, 12-33.	3.8	8
5	Characterization of Chaos: A New, Fast, and Effective Measure. Annals of the New York Academy of Sciences, 2005, 1045, 79-92.	3.8	4
6	Chaos and the continuum limit in charged particle beams. Physical Review Special Topics: Accelerators and Beams, 2004, 7, .	1.8	11
7	Production of enhanced beam halos via collective modes and colored noise. Physical Review Special Topics: Accelerators and Beams, 2004, 7, .	1.8	12
8	The validity of the continuum limit in the gravitational N-body problem. Celestial Mechanics and Dynamical Astronomy, 2004, 90, 147-162.	1.4	2
9	Noiseâ€enhanced Parametric Resonance in Perturbed Galaxies. Astrophysical Journal, 2004, 602, 678-684.	4.5	6
10	Transient chaos and resonant phase mixing in violent relaxation. Monthly Notices of the Royal Astronomical Society, 2003, 341, 927-936.	4.4	36
11	Chaotic orbits in thermal-equilibrium beams: Existence and dynamical implications. Physical Review Special Topics: Accelerators and Beams, 2003, 6, .	1.8	19
12	Fluctuations Do Matter: Large Noise-Enhanced Halos in Charged-Particle Beams. Physical Review Letters, 2003, 91, 264801.	7.8	23
13	Supermassive Black Hole Binaries as Galactic Blenders. Astrophysical Journal, 2003, 597, 111-130.	4.5	20
14	Smooth Potential Chaos andNâ€Body Simulations. Astrophysical Journal, 2003, 585, 244-249.	4.5	24
15	Chaos and the continuum limit in the gravitationalN-body problem. II. Nonintegrable potentials. Physical Review E, 2002, 65, 066203.	2.1	15
16	Chaos in cuspy triaxial galaxies with a supermassive black hole: a simple toy model. Celestial Mechanics and Dynamical Astronomy, 2002, 82, 61-81.	1.4	20
17	Chaos and the continuum limit in the gravitationalN-body problem: Integrable potentials. Physical Review E, 2001, 64, 056209.	2.1	21
18	Chaos, ergodicity, and the thermodynamics of lower-dimensional time-independent Hamiltonian systems. Physical Review E, 2001, 65, 016214.	2.1	12

#	Article	IF	Citations
19	Chaotic mixing in noisy Hamiltonian systems. Monthly Notices of the Royal Astronomical Society, 2000, 311, 719-732.	4.4	24