

Alexandra Zampetaki

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

117
citations

1307366
7
h-index

1281743
11
g-index

16
all docs

16
docs citations

16
times ranked

72
citing authors

#	ARTICLE	IF	CITATIONS
1	Classical scattering of charged particles confined on an inhomogeneous helix. <i>Physical Review E</i> , 2013, 88, 043202.	0.8	20
2	Degeneracy and inversion of band structure for Wigner crystals on a closed helix. <i>Physical Review A</i> , 2015, 91, .	1.0	14
3	Dynamics of nonlinear excitations of helically confined charges. <i>Physical Review E</i> , 2015, 92, 042905.	0.8	13
4	Buckling of two-dimensional plasma crystals with nonreciprocal interactions. <i>Physical Review E</i> , 2020, 102, 043204.	0.8	9
5	Collective self-optimization of communicating active particles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	9
6	Exploring rigidly rotating vortex configurations and their bifurcations in atomic Bose-Einstein condensates. <i>Physical Review E</i> , 2013, 88, 042914.	0.8	8
7	Electrostatic bending response of a charged helix. <i>Physical Review E</i> , 2018, 97, 042503.	0.8	8
8	Pinned-to-sliding transition and structural crossovers for helically confined charges. <i>Physical Review E</i> , 2017, 95, 022205.	0.8	7
9	Local equilibria and state transfer of charged classical particles on a helix in an electric field. <i>Physical Review E</i> , 2017, 95, 012213.	0.8	6
10	Analysis and observation of moving domain fronts in a ring of coupled electronic self-oscillators. <i>Chaos</i> , 2017, 27, 103125.	1.0	5
11	Taming polar active matter with moving substrates: directed transport and counterpropagating macrobands. <i>New Journal of Physics</i> , 2019, 21, 013023.	1.2	5
12	Dispersion relation of square lattice waves in a two-dimensional binary complex plasma. <i>Physics of Plasmas</i> , 2021, 28, 014502.	0.7	4
13	Disentanglement versus Decoherence of Two Qubits in Thermal Noise. <i>Physical Review Letters</i> , 2012, 109, 090402.	2.9	3
14	Energy transfer mechanisms in a dipole chain: From energy equipartition to the formation of breathers. <i>Physical Review E</i> , 2018, 98, 022202.	0.8	3
15	Dynamical ion transfer between coupled Coulomb crystals in a double-well potential. <i>Physical Review E</i> , 2017, 96, 032227.	0.8	2
16	Finite-temperature crossover from a crystalline to a cluster phase for a confined finite chain of ions. <i>Physical Review E</i> , 2013, 87, 042116.	0.8	1