

# Maura Brunetti

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

742  
citations

567281

15  
h-index

526287

27  
g-index

36  
all docs

36  
docs citations

36  
times ranked

655  
citing authors

#	ARTICLE	IF	CITATIONS
1	A drift-kinetic Semi-Lagrangian 4D code for ion turbulence simulation. <i>Journal of Computational Physics</i> , 2006, 217, 395-423.	3.8	145
2	Stellar diffusion in barred spiral galaxies. <i>Astronomy and Astrophysics</i> , 2011, 534, A75.	5.1	77
3	Asymptotic evolution of nonlinear Landau damping. <i>Physical Review E</i> , 2000, 62, 4109-4114.	2.1	67
4	Full radius linear and nonlinear gyrokinetic simulations for tokamaks and stellarators: zonal flows, applied E $\times$ B flows, trapped electrons and finite beta. <i>Nuclear Fusion</i> , 2004, 44, 172-180.	3.5	60
5	Nonlinear fast growth of water waves under wind forcing. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 1025-1030.	2.1	51
6	Gravitational wave radiation from compact binary systems in the Jordan-Brans-Dicke theory. <i>Physical Review D</i> , 1999, 59, .	4.7	43
7	Cross section of a resonant-mass detector for scalar gravitational waves. <i>Physical Review D</i> , 1998, 57, 4525-4534.	4.7	32
8	Modulational instability in wind-forced waves. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 3626-3630.	2.1	28
9	Co-existing climate attractors in a coupled aquaplanet. <i>Climate Dynamics</i> , 2019, 53, 6293-6308.	3.8	27
10	Spectral up- and downshifting of Akhmediev breathers under wind forcing. <i>Physics of Fluids</i> , 2017, 29, .	4.0	26
11	Modeling the Middle Jurassic ocean circulation. <i>Journal of Palaeogeography</i> , 2015, 4, 371-383.	1.9	23
12	Non-homogeneous analysis of rogue wave probability evolution over a shoal. <i>Journal of Fluid Mechanics</i> , 2022, 939, .	3.4	18
13	A semi-Lagrangian code for nonlinear global simulations of electrostatic drift-kinetic ITC modes. <i>Computer Physics Communications</i> , 2004, 163, 1-21.	7.5	17
14	Beyond scale separation in gyrokinetic turbulence. <i>Nuclear Fusion</i> , 2007, 47, 1206-1212.	3.5	16
15	Nonlinear stage of Benjamin-Feir instability in forced/damped deep-water waves. <i>Physics of Fluids</i> , 2018, 30, .	4.0	16
16	Recurrence in the high-order nonlinear Schrödinger equation: A low-dimensional analysis. <i>Physical Review E</i> , 2017, 96, 012222.	2.1	14
17	Motion of extended vortices in an inhomogeneous pure electron plasma. <i>Physics of Plasmas</i> , 2000, 7, 2856-2865.	1.9	12
18	Stabilization of Unsteady Nonlinear Waves by Phase-Space Manipulation. <i>Physical Review Letters</i> , 2021, 126, 174501.	7.8	11

#	ARTICLE	IF	CITATIONS
19	Triggering filamentation using turbulence. <i>Physical Review A</i> , 2016, 94, .	2.5	8
20	How to reduce long-term drift in present-day and deep-time simulations?. <i>Climate Dynamics</i> , 2018, 50, 4425-4436.	3.8	8
21	Robustness of Competing Climatic States. <i>Journal of Climate</i> , 2022, 35, 2769-2784.	3.2	8
22	Single-spectrum prediction of kurtosis of water waves in a nonconservative model. <i>Physical Review E</i> , 2019, 100, 013102.	2.1	7
23	Stabilization of uni-directional water wave trains over an uneven bottom. <i>Nonlinear Dynamics</i> , 2020, 101, 1131-1145.	5.2	6
24	Separatrix crossing and symmetry breaking in NLSE-like systems due to forcing and damping. <i>Nonlinear Dynamics</i> , 2020, 102, 2385-2398.	5.2	6
25	Viscous damping of gravity-capillary waves: Dispersion relations and nonlinear corrections. <i>Physical Review Fluids</i> , 2018, 3, .	2.5	6
26	Modeling proper motions beyond the Galactic bulge. <i>Astronomy and Astrophysics</i> , 2010, 510, A34.	5.1	3
27	Reconciling different formulations of viscous water waves and their mass conservation. <i>Wave Motion</i> , 2020, 97, 102610.	2.0	3
28	Fine-scale Structures and Negative-density Regions: Comparison of Numerical Methods for Solving the Advection Equation. <i>Transport Theory and Statistical Physics</i> , 2005, 34, 261-274.	0.4	2
29	Vlasov-Poisson Numerical Simulations of Wave-Particle Interactions in the Relativistic Regime. <i>Physica Scripta</i> , 2000, T84, 168.	2.5	1
30	Quantitative analysis of self-organized patterns in ombrotrophic peatlands. <i>Scientific Reports</i> , 2019, 9, 1499.	3.3	1