Michele Coti Zelati

List of Publications by Year
in descending order

32	563	567281 15	642732 23
papers	citations	h-index	g-index

32	32	32	224
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced Dissipation, Hypoellipticity, and Anomalous Small Noise Inviscid Limits in Shear Flows. Archive for Rational Mechanics and Analysis, 2017, 224, 1161-1204.	2.4	67
2	On the Relation between Enhanced Dissipation Timescales and Mixing Rates. Communications on Pure and Applied Mathematics, 2020, 73, 1205-1244.	3.1	42
3	On the global regularity for the supercritical SQG equation. Indiana University Mathematics Journal, 2016, 65, 535-552.	0.9	34
4	Vortex Axisymmetrization, Inviscid Damping, and Vorticity Depletion in the Linearized 2D Euler Equations. Annals of PDE, 2019, 5, 1.	1.8	32
5	The primitive equations of the atmosphere in presence of vapour saturation. Nonlinearity, 2015, 28, 625-668.	1.4	30
6	Global and exponential attractors for the singularly perturbed extensible beam. Discrete and Continuous Dynamical Systems, 2009, 25, 1041-1060.	0.9	30
7	Minimality Properties of Set-Valued Processes and their Pullback Attractors. SIAM Journal on Mathematical Analysis, 2015, 47, 1530-1561.	1.9	27
8	Enhanced Dissipation in the Navierâ€“Stokes Equations Near the Poiseuille Flow. Communications in Mathematical Physics, 2020, 378, 987-1010.	2.2	27
9	Singular Limits of Voigt Models in Fluid Dynamics. Journal of Mathematical Fluid Mechanics, 2015, 17, 233-259.	1.0	26
10	The equations of the atmosphere with humidity and saturation: Uniqueness and physical bounds. Physica D: Nonlinear Phenomena, 2013, 264, 49-65.	2.8	25
11	STEADY STATES OF THE HINGED EXTENSIBLE BEAM WITH EXTERNAL LOAD. Mathematical Models and Methods in Applied Sciences, 2010, 20, 43-58.	3.3	22
12	Energy decay of type III linear thermoelastic plates with memory. Journal of Mathematical Analysis and Applications, 2013, 401, 357-366.	1.0	19
13	On the Theory of Global Attractors and Lyapunov Functionals. Set-Valued and Variational Analysis, 2013, 21, 127-149.	1.1	18
14	Invariant Measures for Passive Scalars in the Small Noise Inviscid Limit. Communications in Mathematical Physics, 2016, 348, 101-127.	2.2	18
15	Uniformly attracting limit sets for the critically dissipative SQG equation. Nonlinearity, 2016, 29, 298-318.	1.4	17
16	On degenerate circular and shear flows: the point vortex and power law circular flows. Communications in Partial Differential Equations, 2019, 44, 110-155.	2.2	17
17	Multivalued attractors and their approximation: applications to the Navierâ€“Stokes equations. Numerische Mathematik, 2012, 122, 421-441.	1.9	15
18	Phase Transition Models in Atmospheric Dynamics. Milan Journal of Mathematics, 2014, 82, 99-128.	1.1	15

#	Article	IF	Citations
19	Attractors for the Cahnâ€“Hilliard equation with memory in 2D. Nonlinear Analysis: Theory, Methods & Applications, 2010, 72, 1668-1682.	1.1	13
20	A Sufficient Condition for the Kolmogorov 4/5 Law for Stationary Martingale Solutions to the 3D Navierâ€“Stokes Equations. Communications in Mathematical Physics, 2019, 367, 1045-1075.	2.2	12
21	Separation of time-scales in drift-diffusion equations on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msup><mml:mrow><mml:mi mathvariant="double-struck">R</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msup></mml:math. Journal Des Mathematiques Pures Et Appliquees, 2020, 142, 58-75.	1.6	11
22	Stable mixing estimates in the infinite PÃ©clet number limit. Journal of Functional Analysis, 2020, 279, 108562.	1.4	10
23	Long-Time Behavior and Critical Limit of Subcritical SQG Equations in Scale-Invariant Sobolev Spaces. Journal of Nonlinear Science, 2018, 28, 305-335.	2.1	7
24	A Noise-Induced Transition in the Lorenz System. Communications in Mathematical Physics, 2021, 383, 2243-2274.	2.2	7
25	Smooth attractors for weak solutions of the SQG equation with critical dissipation. Discrete and Continuous Dynamical Systems - Series B, 2017, 22, 1857-1873.	0.9	7
26	Regular global attractors of type III thermoelastic extensible beams. Chinese Annals of Mathematics Series B, 2010, 31, 619-630.	0.4	6
27	Homogenization and hypocoercivity for Fokkerâ€“Planck equations driven by weakly compressible shear flows. IMA Journal of Applied Mathematics, 2020, 85, 951-979.	1.6	3
28	Global existence for the two-dimensional Kuramotoâ€“Sivashinsky equation with a shear flow. Journal of Evolution Equations, 2021, 21, 5079-5099.	1.1	3
29	Sufficient Conditions for Dual Cascade Flux Laws in the Stochastic 2d Navierâ€“Stokes Equations. Archive for Rational Mechanics and Analysis, 2020, 237, 103-145.	2.4	2
30	Remarks on the approximation of the Navier-Stokes equations via the implicit Euler scheme. Communications on Pure and Applied Analysis, 2013, 12, 2829-2838.	0.8	1
31	Invariant Measures for the Stochastic One-Dimensional Compressible Navierâ€“Stokes Equations. Applied Mathematics and Optimization, 2021, 83, 1487-1522.	1.6	0
32	A stochastic approach to enhanced diffusion. Annali Della Scuola Normale Superiore Di Pisa Classe Di Scienze, 0, , 811-834.	0.2	0