

LIST OF PUBLICATIONS

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- [60] M. COTI ZELATI, M. SORELLA & D. VILLRINGER, *Fast dynamo action on the 3-torus for pulsed-diffusions*, submitted (2025). arXiv: [2603.09861](#)
- [59] M. COTI ZELATI, L. ERTZBISCHOFF & D. GÉRARD-VARET, *Stability analysis for active Brownian particle models*, submitted (2025). arXiv: [2512.17649](#)
- [58] M. COTI ZELATI, M. HAIRER & D. VILLRINGER, *A Stochastic RAGE Theorem and Enhanced Dissipation for Transport Noise*, submitted (2025). arXiv: [2507.11422](#)
- [57] M. COTI ZELATI, M. SORELLA & D. VILLRINGER, *Alpha-unstable flows and the fast dynamo problem*, submitted (2025). arXiv: [2504.00855](#)
- [56] M. COTI ZELATI, A. DEL ZOTTO & K. WIDMAYER, *On the stability of viscous three-dimensional rotating Couette flow*, submitted (2025). arXiv: [2501.17735](#)
- [55] M. COTI ZELATI & V. NAVARRO-FERNÁNDEZ, *Three-dimensional exponential mixing and ideal kinematic dynamo with randomized ABC flows*, submitted (2024). arXiv: [2407.18028](#)
- [54] M. COTI ZELATI & M.G. DELGADINO, *Entropy maximization in the two-dimensional Euler equations*, *Analysis & PDE* **19** (2026), 505–538. DOI: [10.2140/apde.2026.19.505](#), arXiv: [2405.14738](#)
- [53] M. COTI ZELATI, H. DIETERT & D. GÉRARD-VARET, *Nonlinear stability for active suspensions*, submitted (2024). arXiv: [2404.01906](#)
- [52] R. BIANCHINI, M. COTI ZELATI & L. ERTZBISCHOFF, *Ill-posedness of the hydrostatic Euler-Boussinesq equations and failure of hydrostatic limit*, *Communications in Mathematical Physics* **406** (2025), Art. 254. DOI: [10.1007/s00220-024-05224-y](#), arXiv: [2403.17857](#)
- [51] M. COTI ZELATI, A. DEL ZOTTO & K. WIDMAYER, *Stability of viscous three-dimensional stratified Couette flow via dispersion and mixing*, submitted (2024). arXiv: [2402.15312](#)
- [50] G.-Q. CHEN, M. COTI ZELATI & C.C. YEUNG, *Vanishing Mach number limit of stochastic compressible flows*, submitted (2023). arXiv: [2311.14660](#)
- [49] M. COTI ZELATI, T.D. DRIVAS, & R.S. GVALANI, *Statistically self-similar mixing by Gaussian random fields*, *Journal of Statistical Physics* **191** (2024), Art. 61. DOI: [10.1007/s10955-024-03277-w](#), arXiv: [2309.15744](#)
- [48] R. BIANCHINI, M. COTI ZELATI & M. DOLCE, *Symmetrization and asymptotic stability in non-homogeneous fluids around stratified shear flows*, *Séminaire Laurent Schwartz – EDP et applications* **5** (2022-2023), Art. 20, 17pp. DOI: [10.5802/slsedp.160](#), arXiv: [2309.12738](#)
- [47] M. COTI ZELATI & M. NUALART, *Limiting absorption principles and linear inviscid damping in the Euler-Boussinesq system in the periodic channel*, *Communications in Mathematical Physics* **406** (2025), Art. 57. DOI: [10.1007/s00220-024-05224-y](#), arXiv: [2309.08445](#)

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