

Année	Auteur(s)	Titre article	Revue	Archivage	Thème
2025	<b>ALEXANDER G.P., KOLE S.J., MAITRA A., RAMASWAMY S.</b>	Screw Symmetry, Chiral Hydrodynamics and Odd Instability in Active Cholesterics		(arXiv:2508.00684)	D
2025	<b>ALKHATEEB M., MATZKIN A.</b>	Microcausality and Tunneling Times in Relativistic Quantum Field Theory		(arXiv:2507.09066)	A
2025	<b>BAILLOU R., PEDROSA M., GUIGUE Q., MEINIER S., DARNIGE T., PERUANI F., CLEMENT E.</b>	Confinement controls bacterial spreading at all scales		(arXiv:2503.11364)	D
2025	<b>BALLESTEROS FERRAZ L., ELOUARD C.</b>	Weak continuous measurements require more work than strong ones		(arXiv:2502.09732)	A
2025	<b>BALLU M., YAO Z., MIRMAND B., PAPOULARD D., PERRIN H., PERRIN A.</b>	Microwave spectroscopy of ultracold sodium least-bound molecular states	A Paraitre, Phys Rev A (Editors' suggestion)	(arXiv:2503.20330)	A
2025	<b>BRIGATTI E., PERUANI F.</b>	Metamorphosis of collective patterns modulated by non-reciprocal interactions		(arXiv:2505.02672)	D
2025	<b>COSTA J., RIBEIRO P., DE LUCA A.</b>	Emergence of universality in transport of noisy free fermions		(arXiv:2504.00188)	B/C
2025	<b>DIEP H.T., NGO V.T.</b>	Is the hyperscaling relation violated below the upper critical dimension in some particular cases?		(arXiv:2507.02159)	A
2025	<b>DOWLING N., DE NARDIS J., HEINRICH M., TURKESHI X., PAPPALARDIS S.</b>	Free Independence and Unitary Design from Random Matrix Product Unitaries		(arXiv:2508.00051)	B/C
2025	<b>DUTTA S., SAHA A.</b>	Stochastic Heat Engine Using a Single Brownian Ellipsoid		(arXiv:2505.17313)	D
2025	<b>GOLDOBIN D.S., AGEEVA M.V., DI VOLO M., TIXIDRE F., TORCINI A.</b>	Synaptic shot-noise triggers fast and slow global oscillations in balanced neural networks		(arXiv:2505.22373)	D
2025	<b>HUBNER F., BIAGETTI L., DE NARDIS J., DOYON B.</b>	Diffusive hydrodynamics of hard rods from microscopics		(arXiv:2503.07794)	A
2025	<b>KETHEPALLI J., URILYON A., SADHU T., DE NARDIS J.</b>	Ballistic macroscopic fluctuation theory via mapping to point particles		(arXiv:2505.18093)	D
2025	<b>KHODAEVA U.E., KOVRIZHIN D., KNOLLE J.</b>	Quantum critical dynamical response of the twisted Kitaev spin chain		(arXiv:2506.18766)	A
2025	<b>LA MONTAGNA G.M., BUREKOVIC S., MAITRA A., NARDINI C.</b>	Eppur si muove: Shape of topological defects -- and consequent motion -- in active nematics		(arXiv:2504.19665)	D
2025	<b>LAMI G., DE LUCA A., TURKESHI X., DE NARDIS J.</b>	Quantum State Design and Emergent Confinement Mechanism in Measured Tensor Network States		(arXiv:2504.16995)	B/C
2025	<b>MAGNI B., CHRISTOPOULOS A., DE LUCA A., TURKESHI X.</b>	Anticoncentration in Clifford Circuits and Beyond: From Random Tensor Networks to Pseudo-Magic States		(arXiv:2502.20455)	B/C
2025	<b>MAITRA A., JENTSCH P., CHEN L., FAN LEE C., TONER J., RAMASWAMY S.</b>	The inconvenient truth about flocks		(arXiv:2503.17064)	D
2025	<b>MESPLE F., MALLET P., TRAMBLY DE LAISSARDIERE G., DUTREIX C., LAPERTOT G., VEUILLEN J-Y, RENARD V.T.</b>	Experimental evidence of the topological obstruction in twisted bilayer graphene		(arxiv:2506.08913)	A
2025	<b>PAVIGLIANTINI A., LUMIA L., TIRRITO E., LAMI G., SILVA A., TURKESHI X., GUGLIELMO L.</b>	Emergence of Generic Entanglement Structure in Doped Matchgate Circuits		(arXiv:2507.12526)	B/C
2025	<b>SAULIERE A., LAMI G., BOYER C., DE NARDIS J., DE LUCA A.</b>	Universality in the Anticoncentration of Noisy Quantum Circuits at Finite Depths		(arXiv:2508.14975)	B/C
2025	<b>SAULIERE A., MAGNI B., LAMI G., TURKESHI X., DE NARDIS J.</b>	Universality in the Anticoncentration of Chaotic Quantum Circuits		(arXiv:2503.00119)	B/C
2025	<b>SOKOLOVSKI D., MATZKIN A.</b>	Wave packets, "negative times" and the elephant in the room		(arXiv:1602.07921)	A
2025	<b>TIRRITO E., LUMIA L., PAVIGLIANTINI A., LAMI G., SILVA A., TURKESHI X., COLLURA M.</b>	Magic phase transitions in monitored gaussian fermions		(arXiv:2507.07179 )	B/C
2025	<b>TIXIDRE F., MONGILLO G., TORCINI A.</b>	Is the cortical dynamics ergodic? A numerical study in partially symmetric networks of spiking neurons		(arXiv:2508.04354)	D

2025	<a href="#">TRAMBLY DE LAISSARDIERE G., et al</a>	Electronic structure and transport in materials with flat bands: 2D materials and quasicrystals		(arXiv:2506.06721)	A
2025	<a href="#">TRUONG T.T.</a>	Inversion of the fixed radius Spherical Mean Radon Transform of F. John in R 2,3			B/C
2025	<a href="#">URILYON A., BIAGETTI L., KEIHEPALLI J., DE NARDIS J.</a>	Simulating generalised fluids via interacting wave packets evolution		(arXiv:2505.21000)	A
2024	<a href="#">BIAGETTI L., LEBEK M., PANFIL M., DE NARDIS J.</a>	Generalised BBGKY hierarchy for near-integrable dynamics		(arXiv:2408.00593)	B/C
2024	<a href="#">CANTINI L., ZAHRA A.</a>	Single impurity in the Totally Asymmetric Simple Exclusion Process		(arXiv:2411.08480)	B/C
2024	<a href="#">CHRISTOPOULOS A., CHAN A., DE LUCA A.</a>	Universal distributions of overlaps from unitary dynamics in generic quantum many-body systems		(arXiv:2404.10057)	B/C
2024	<a href="#">CHRISTOPOULOS A., SANTINI A., GIACHETTI G.</a>	Cahier de l'Institut Pascal: Noisy Quantum Dynamics and Measurement-Induced Phase Transitions	To appear on Cahier de l'institut Pascal	(arXiv:2409.06310)	B/C
2024	<a href="#">COLLURA M., DE NARDIS J., ALBA V., LAMI G.</a>	The quantum magic of fermionic Gaussian states		(arXiv:2412.05367)	A
2024	<a href="#">GUTIERREZ DE LA CAL X., ALKHATEEB M., PONS M., MATZKIN A., SOKOLOVSKI D.</a>	Quantum statistical effects in one-particle densities: scattering and pair production		(arXiv:2407.13905)	A
2024	<a href="#">HALIMEH J.C., KHODAEVA U.E., KOVRIZHIN D.L., MOESSNER R., KNOLLE J.</a>	Disorder-Free Localization for Benchmarking Quantum Computers		(arXiv:2410.08268)	A
2024	<a href="#">KOVRIZHIN D., et al</a>	Observation of disorder-free localization and efficient disorder averaging on a quantum processor		(arXiv:2410.06557)	A
2024	<a href="#">MATRA A., et al</a>	Aging and freezing of active nematic dynamics of cancer-associated fibroblasts by fibronectin matrix remodeling	(DOI: 10.1101/2023.11.22.568216 )	(bioRxiv (2023))	D
2024	<a href="#">MATO G., POLITI A., TORCINI A.</a>	Chaotic synchronization in adaptive networks of pulse-coupled oscillators		(arXiv:2407.08453)	D
2024	<a href="#">PAVIGLIANTINI A., LAMI G., COLLURA M., SILVA A.</a>	Estimating Non-Stabilizerness Dynamics Without Simulating It		(arXiv:2405.06054)	B/C
2024	<a href="#">SHARIPOV R., TIUTIAKINA A., GORSKY A., GRITSEV V., POLKOVNIKOV A.</a>	Hilbert space geometry and quantum chaos		(arXiv:2411.11968)	B/C
2024	<a href="#">WANG Z., MCCARTY P., DANKOVA D., HONECKER A., WIETEK A.</a>	Anomalous thermal broadening in the Shastry-Sutherland model and SrCu <sub>2</sub> (BO <sub>3</sub> ) <sub>2</sub>		(arXiv:2405.18475)	A
2024	<a href="#">WANG Z., MCCARTY P., DANKOVA D., HONECKER A., WIETEK A.</a>	Spectroscopy and complex-time correlations using minimally entangled typical thermal states		(arXiv:2405.18484)	A
2023	<a href="#">DE LUCA A., GIACHETTI G.</a>	Elusive phase transition in the replica limit of monitored systems		(arXiv:2306.12166)	A
2023	<a href="#">KOЛЕ S. J., ALEXANDER G.P., MATRA A., RAMASWAMY S.</a>	Dynamics of Ordered Active Columns: Flows, Twists, and Waves		(arXiv:2306.03695)	D
2022	<a href="#">DUPREY Q., MATZKIN A.</a>	Comment on "Does the weak trace show the past of a quantum particle?"		(arXiv:2202.11574)	A
2022	<a href="#">KOIBUCHI H., KATO F., EL HOG S., DIGUET G., DUCHARNE B., UCHIMOTO T., DIEP H.T.</a>	Effect of Geometric Confinement on the Stabilization of Skyrmions.		(arXiv:2208.03847)	A
2020	<a href="#">NARAYAN SAHOO S., HOME D., MATZKIN A., SINHA U.</a>	Comment on "Observing the "quantum Cheshire cat" effect with noninvasive weak measurement".		(arXiv:2006.00792)	A
2020	<a href="#">TARPAU C., CEBEIRO J., NGUYEN M.K., ROLLET G., DUMAS L.</a>	On the design of a CST system and its extension to a bi-imaging modality.		(arXiv:2007.02750)	B
2016	<a href="#">CANTINI L.</a>	Inhomogenous Multispecies TASEP on a ring with spectral parameters.		(arXiv:1602.07921)	B