

1. Article in Journal

Title	Authors	Title of the Journal/Proc./Book	Number, date or freq. of the Journal/Proc./Book	DOI	Repository Link
A genome-wide comprehensive analysis of nucleosome positioning in yeast	Leo Zeitler, Kévin André, Adriana Alberti, Cyril Denby Wilkes, Julie Soutourina, Arach Goldar	PLOS Computational Biology	20	10.1371/journal.pcbi.1011799	https://doaj.org/article/f7ec2bc0d5904c12a5f3d351f9288754
A quantitative modelling approach for DNA repair on a population scale	Julie SOUTOURINA; Arach Goldar; Leo Zeitler; Cyril DENBY WILKES	PLoS Comput Biol	18(9):e1010488	10.1371/journal.pcbi.1010488	https://doi.org/10.1101/2022.03.29.486283
Ab initio description of monopole resonances in light- and medium-mass nuclei	A. Porro, T. Duguet, J.-P. Ebran, M. Frosini, R. Roth, V. Somà	The European Physical Journal A	60	10.1140/epja/s10050-024-01377-5	https://hal.science/hal-04584548
Ab initio description of monopole resonances in light- and medium-mass nuclei. I. Technical aspects and uncertainties of ab initio PGCM calculations	Porro, A., Duguet, T., Ebran, J.P. et al	Eur. Phys. J. A	Volume 60, article number 133		https://hal.science/hal-04470724v1
Ab initio description of monopole resonances in light- and medium-mass nuclei: II. Ab initio PGCM calculations in ⁴⁶ Ti, ²⁸ Si and ²⁴ Mg	Porro, A., Duguet, T., Ebran, JP. et al.	Eur. Phys. J. A	Volume 60, article number 134		https://hal.science/hal-04494383v1
Ab initio description of monopole resonances in light- and medium-mass nuclei: IV. Angular momentum projection and rotation-vibration coupling	Porro, A., Duguet, T., Ebran, JP. et al.	Eur.Phys.J.A	Volume 60, article number 233		https://hal.science/hal-04650463v1
Antiproton at rest and in-flight within Intra-Nuclear Cascade Liege model (INCL)	Demid Zharenov, Jean-Christophe David, Joseph Cugnon, Jason Hirtz	EPJ Web of Conferences	292	10.1051/epjconf/202429209003	https://hal.science/hal-04562275
Capillary Interfacial Tension in Active Phase Separation	G. Fausti; Elsen Tjhung; Michael E. Cates; Cesare Nardini; Cesare Nardini	Phys. Rev. Lett	128	10.1103/physrevlett.127.068001	https://doi.org/10.1103/physrevlett.127.068001
Characterizing endogenous delta oscillations in human MEG	Harish Gunasekaran, Leila Azizi, Virginie van Wassenhove, Sophie K. Herbst	Scientific Reports	13, Article number: 11031 (2023)	10.1101/2022.12.15.520554	https://hal.science/hal-04232815v1/document
Combining DFT and CALPHAD for the development of on-lattice interaction models: The case of Fe-Ni system	Yimi Wang, Kangming Li, Frédéric Soisson, Charlotte S. Becquart	Physical Review Materials	4/11	10.1103/physrevmaterials.4.113801	https://hal.science/hal-03007250v1
Coupling a phase field model with an electro-thermal solver to simulate PCM intermediate resistance	O. Cueto, A. Trabelsi, C. Cagli, M.C. Cyrille	Solid-State Electronics	200	10.1016/j.sse.2022.108542	https://cp.copernicus.org/articles/21/27/2025/

states for neuromorphic computing					
Decoding ECoG signal into 3D hand translation using deep learning	Maciej Śliwowski, Matthieu Martin, Antoine Souloumiac, Pierre Blanchart and Tetiana Aksenova	Journal of Neural Engineering	19	10.1088/1741-2552/ac5d69	https://arxiv.org/abs/2110.03528
Deep learning reconstruction with uncertainty estimation for γ photon interaction in fast scintillator detectors	G. Daniel, M.-B. Yahiaoui, C. Comtat, S. Jan, O. Kochebina, J.-M. Martinez, V. Sergeyeva, V. Sharyy, C.-H. Sung, D. Yvon	Engineering Applications of Artificial Intelligence	131	10.1016/j.engappai.2024.107876	https://hal.science/cea-04458433v1
Deep learning techniques for energy clustering in the CMS electromagnetic calorimeter	Polina Simkina	Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	1049	10.1016/j.nima.2023.168082	https://hal.science/hal-03954251
Deformed natural orbitals for ab initio calculations	A. Scalesi, T. Duguet, M. Frosini, V. Somà	The European Physical Journal A	61	10.1140/epja/s10050-024-01466-5	https://doi.org/10.48550/arxiv.2407.18308
Detailed simulation for the ClearMind prototype detection module and event reconstruction using artificial intelligence	C.-H. Sung, L. Cappellugola, M. Follin, S. Curtoni, M. Dupont, C. Morel, A. Galindo-Tellez, R. Chyzh, D. Breton, J. Maalmi, D. Yvon, V. Sharyy	Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	1053	10.1016/j.nima.2023.168357	https://doi.org/10.1016/j.nima.2023.168357
Development of a cooling and power generation prototype integrating an axial micro-turbine in an absorption chiller	Simone Braccio, Nolwenn Le Pierrès, Nicolas Tauveron, Bertrand Chandez, Hai Trieu Phan	Applied Thermal Engineering	232	10.1016/j.applthermaleng.2023.121026	https://www.sciencedirect.com/science/article/am/pii/S1359431123010554
Dewetting acceleration by evaporation	Xiaolong Zhang, Vadim S. Nikolayev	Journal of Fluid Mechanics	948	10.1017/jfm.2022.725	https://hal.science/hal-03784626/document
Domain Wall Migration-Mediated Ferroelectric Switching and Rashba Effect Tuning in GeTe Thin Films	Libor Voják, Mairbek Chshiev, Jing Li	ACS Applied Electronic Materials	6	10.1021/acsaelm.4c00392	https://hal.science/cea-04618102v1
Dynamic Modeling of Carbon Dioxide Transport through the Skin Using a Capnometry Wristband	Pierre Grangeat, Maria-Paula Duval Comsa, Anne Koenig, Ronald Phlypo	Sensors	23	10.3390/s23136096	https://hal.univ-grenoble-alpes.fr/hal-04148541v1/document
Early Development and Co-Evolution of Microstructural and Functional Brain Connectomes: A Multi-Modal	Andrea Gondová, Sara Neumane, Tomoki Arichi, Jessica Dubois	Human Brain Mapping	46	10.1002/hbm.70186	https://www.biorxiv.org/content/10.1101/202

<scp>MRI</scp> Study in Preterm and Full-Term Infants					4.09.09.612067 v2.full
Early structural connectivity within the sensorimotor network: Deviations related to prematurity and association to neurodevelopmental outcome	Sara Neumane, Andrea Gondova, Yann Leprince, Lucie Hertz-Pannier, Tomoki Arichi, Jessica Dubois	Frontiers in Neuroscience	16	10.3389/fnins.2022.932386	https://hal.science/inserm-04275780v1
Edge plasma turbulence simulations in detached regimes with the SOLEDGE3X code	V. Quadri, P. Tamain, Y. Marandet, H. Bufferand, N. Rivals, G. Ciraolo, G.L. Falchetto, R. Düll, S. Sureshkumar, N. Varadarajan, H. Yang, H. Reimerdes, D.S. Oliveira, D. Mancini	Nuclear Materials and Energy	41	10.1016/j.nme.2024.101756	https://doi.org/10.1016/j.nme.2024.101756
Effectiveness of BESS in Improving Frequency Stability of an Island Grid	Hung Cuong Nguyen, Quoc Tuan Tran, Yvon Besanger	IEEE Transactions on Industry Applications	60	10.1109/tia.2024.3443241	https://hal.science/hal-04834964v1
Effects of magnetic excitations and transitions on vacancy formation: Cases of fcc Fe and Ni compared to bcc Fe	Kangming Li; Chu-Chun Fu; Anton Schneider	Phys. Rev. B	Vol 104 (5)	10.48550/arxiv.2108.02440	https://hal-cea.archives-ouvertes.fr/cea-03562009/file/PhysRevB.104.104406.pdf
Electron acceleration by laser plasma wedge interaction	S. Marini, M. Grech, P. S. Kleij, M. Raynaud, C. Riconda	Physical Review Research	5	10.1103/physrevresearch.5.013115	https://hal.science/hal-03594354v1
Energy and exergy analysis of a pilot plant for the co-production of cold and electricity	Simone Braccio, Hai Trieu Phan, Nicolas Tauveron, Nolwenn Le Pierres	MATEC Web of Conferences	379	10.1051/mateconf/202337901005	https://doaj.org/article/4238d1c9e2584495ae8fae617f107dae
Energy, exergy and exergoeconomic analysis and optimisation of the scale-up of a combined ammonia-water absorption pilot plant producing electricity and refrigeration	Simone Braccio, Hai Trieu Phan, Nicolas Tauveron, Nolwenn Le Pierrès, Alessia Arteconi	Energy Conversion and Management	278	10.1016/j.enconman.2023.116686	https://hal.science/hal-03983508
Epitaxial van der Waals heterostructures of Cr ₂ Te ₃ on two-dimensional materials	Quentin Guillet, Libor Vojáček, Djordje Dosenovic, Fatima Ibrahim, Hervé Boukari, Jing Li, Fadi Choueikani, Philippe Ohresser, Abdelkarim Ouerghi, Florie Mesple, Vincent Renard, Jean-François Jacquot, Denis Jalabert, Hanako Okuno, Mairbek Chshiev, Céline Vergnaud, Frédéric Bonell, Alain Marty, Matthieu Jamet	Physical Review Materials	7	10.1103/physrevmaterials.7.054005	https://hal.science/hal-04017966v1
Estimating methane emissions in the Arctic nations using surface	Sophie Wittig, Antoine Berchet, Isabelle Pison,	Atmospheric Chemistry and Physics	23	10.5194/acp-23-6457-2023	https://hal.science/hal-04134496v1

observations from 2008 to 2019	Marielle Saunois, Joël Thanwerdas, Adrien Martinez, Jean-Daniel Paris, Toshinobu Machida, Motoki Sasakawa, Douglas E. J. Worthy, Xin Lan, Rona L. Thompson, Espen Sollum, Mikhail Arshinov				
Expansion of One-, Two- and Three-Body Matrix Elements on a Generic Spherical Basis for Nuclear Ab Initio Calculations	Alberto Scalesi, Carlo Barbieri, Enrico Vigezzi	Annals of Physics		10.2139/ssrn.4712198	https://arxiv.org/pdf/2310.19547
Field-Free Spin–Orbit Torque Switching in Janus Chromium Dichalcogenides	Libor Vojáček, Joaquín Medina Dueñas, Jing Li, Fatima Ibrahim, Aurélien Manchon, Stephan Roche, Mairbek Chshiev, José H. García	Nano Letters	24	10.1021/acs.nanolett.4c03029	https://doi.org/10.1021/acs.nanolett.4c03029
Functional interplay between Mediator and RSC chromatin remodeling complex controls nucleosome-depleted region maintenance at promoters	Kévin M. André, Nathalie Giordanengo Aiach, Veronica Martinez-Fernandez, Leo Zeitler, Adriana Alberti, Arach Goldar, Michel Werner, Cyril Denby Wilkes, Julie Soutourina	Cell Reports	42	10.1016/j.celrep.2023.12465	https://www.cell.com/cell-reports/pdfExtended/S2211-1247(23)00476-X
Generative domain-adapted adversarial auto-encoder model for enhanced ultrasonic imaging applications	Gerardo Emanuel Granados, Filippo Gatti, Roberto Miorelli, Sébastien Robert, Didier Clouteau	NDT & E International	148	10.1016/j.ndteint.2024.103234	https://hal.science/hal-04703457
Ground-state properties and lattice-vibration effects of disordered Fe-Ni systems for phase stability predictions	Kangming Li, Chu-Chun Fu	Physical Review Materials	4/2	10.1103/physrevmaterials.4.023606	https://hal.science/cea-02495972/
Impact of B ₀ field imperfections correction on BOLD sensitivity in 3D-SPARKLING fMRI data	Zaineb Amor, Caroline Le Ster, Chaithya GR, Guillaume Daval-Frérôt, Nicolas Boulant, Franck Mauconduit, Bertrand Thirion, Philippe Ciuciu, Alexandre Vignaud	Magnetic Resonance in Medicine	91	10.1002/mrm.29943	https://hal.science/hal-04363381v1
Impact of correlations on nuclear binding energies	A. Scalesi, T. Duguet, P. Demol, M. Frosini, V. Somà, A. Tichai	The European Physical Journal A	60	10.1140/epja/s10050-024-01424-1	https://arxiv.org/abs/2406.03545
Impact of dataset size and long-term ECoG-based BCI usage on deep learning decoders performance	Maciej Śliwowski, Matthieu Martin, Antoine Souloumiac, Pierre Blanchart, Tetiana Aksenova	Frontiers in Human Neuroscience	17	10.3389/fnhum.2023.111645	https://doi.org/10.3389/fnhum.2023.111645

Importance truncation in non-perturbative many-body techniques	A. Porro, V. Somà, A. Tichai , T. Duguet	Eur.Phys.J.A	Volume 57, Numero 10	10.1140/epja/s10050-021-00606-5	https://hal.archives-ouvertes.fr/hal-03423977/
Interface Roughening in Nonequilibrium Phase-Separated Systems	M. Besse, G. Fausti, M. E. Cates, B. Delamotte, C. Nardini	Physical Review Letters	130	10.1103/physrevlett.130.187102	https://hal.science/cea-04483414v1
Jointly Learning Non-Cartesian k-Space Trajectories and Reconstruction Networks for 2D and 3D MR Imaging through Projection	Chaithya Giliyar Radhakrishna, Philippe Ciuciu	Bioengineering	10	10.3390/bioengineering10020158	https://inria.hal.science/hal-04370490v1/document
Key parameters for surface plasma wave excitation in the ultra-high intensity regime	S Marini, P S Kleij, F Amiranoff, M Grech, C Riconda et al	Physics of Plasmas	28 (7)	10.1063/5.0052599	https://hal.archives-ouvertes.fr/hal-03515453/document
Liquid film dynamics with immobile contact line during meniscus oscillation	Xiaolong Zhang, Vadim S Nikolayev.	Journal of Fluid Mechanics	923	10.1017/jfm.2021.540	https://hal.science/hal-03303803v1
Machine Learning Techniques for Calorimetry	Polina Simkina	Instruments	6	10.3390/instruments6040047	https://arxiv.org/pdf/2203.04688.pdf
Magnetochemical effects on phase stability and vacancy formation in fcc Fe-Ni alloys	Kangming Li, Chu-Chun Fu, Maylise Nastar, Frédéric Soisson, and Mikhail Yu. Lavrentiev	PHYSICAL REVIEW B	106	10.1103/physrevb.106.024106	https://arxiv.org/pdf/2203.04688.pdf
Mass-flowrate-maximization thermodynamic model and simulation of supersonic real-gas ejectors used in refrigeration systems	Simone Braccio, Nathan Guillou, Nolwenn Le Pierrès, Nicolas Tauveron, Hai Trieu Phan	Thermal Science and Engineering Progress	37	10.1016/j.tsep.2022.101615	https://hal.science/hal-03983505
Measuring interdiffusion coefficient from XRD spectra of thermally annealed superlattices: A combined modeling and experimental study in Fe–Cr nanometric multilayers	Thomas Schuler, Pamela Camilos, Gladice Magnifouet, Frédéric Soisson, Estelle Meslin, Maxime Vallet, Véronique Pierron-Bohnes, Maylise Nastar	Acta Materialia	287	10.1016/j.actamat.2025.120765	
Microlayer in nucleate boiling seen as Landau–Levich film with dewetting and evaporation	Cassiano Tecchio, Xiaolong Zhang (张晓龙), Benjamin Cariteau, Gilbert Zalczer, Pere Roca i Cabarrocas, Pavel Bulkin, Jérôme Charliac, Simon Vassant, Vadim S. Nikolayev	Journal of Fluid Mechanics	989	10.1017/jfm.2024.488	http://arxiv.org/abs/2306.09838
Multiscale characterization of the mechanical behavior of a printed circuit board (PCB)	A. Atintoh, W. Kpobie, N. Bonfoh, M. Fendler, F. Addiego, P. Lipinski	Materials Today Communications	34	10.1016/j.mtcomm.2022.104968	https://www.sciencedirect.com/science/article/abs/pii/S2352492822018098
Non-Cartesian 3D-SPARKLING vs Cartesian 3D-EPI encoding schemes for functional	Zaineb Amor, Philippe Ciuciu, Chaithya G. R., Guillaume Daval-Frérôt, Franck	PLOS ONE	19	10.1371/journal.pone.0299925	https://hal.science/hal-04350075/file/PONE_Non_Cart

Magnetic Resonance Imaging at 7 Tesla	Mauconduit, Bertrand Thirion, Alexandre Vignaud				esian 3D SPARKLING vs Cartesian 3D EPI encoding schemes for functional Magnetic Resonance Imaging at 7 Tesla.pdf
Non-uniform splines for semi-Lagrangian kinetic simulations of the plasma sheath	Emily Bourne, Yann Munschy, Virginie Grandgirard, Michel Mehrenberger, Philippe Ghendrih	Journal of Computational Physics	488	10.1016/j.jcp.2023.112229	https://hal.science/cea-03748016v1
On the off-diagonal Wick's theorem and Onishi formula: Alternative and consistent approach to off-diagonal operator and norm kernels	Andrea Porro, Thomas Duguet	Eur.Phys.J.A	58	10.1140/epja/s10050-022-00843-2	https://hal.science/hal-03703710v1
Optimizing Full 3D SPARKLING Trajectories for High-Resolution Magnetic Resonance Imaging	G. R. Chaithya; Pierre Weiss; Guillaume Daval-Frerot; Aurelien Massire; Alexandre Vignaud; Philippe Ciuciu	IEEE Transactions on Medical Imaging	vol. 41, no. 8	10.48550/arxiv.2108.02991	https://hal.inria.fr/hal-03090471v2/document
Performance evaluation of a micro partial admission impulse axial turbine in a combined ammonia-water cooling and electricity absorption cycle	Simone Braccio, Antonio Di Nardo, Giorgio Calchetti, Hai Trieu Phan, Nolwenn Le Pierrès, Nicolas Tauveron	Energy	278	10.1016/j.energy.2023.127838	https://doi.org/10.1016/j.energy.2023.127838
Photon emission and radiation reaction effects in surface plasma waves in ultra-high intensities	P. S. Kleij, S. Marini, M. Caetano de Sousa, M. Grech, C. Riconda, M. Raynaud	Physics of Plasmas	31	10.1063/5.0209316	https://doi.org/10.1063/5.0209316
Physics and modeling of liquid films in pulsating heat pipes	Xiaolong Zhang, Vadim S. Nikolayev	Physical Review Fluids	8	10.1103/physrevfluids.8.084002	https://cea.hal.science/cea-04180359
Predicting atomic diffusion in concentrated magnetic alloys: The case of paramagnetic Fe-Ni	Kangming Li, Chu-Chun Fu, Maylise Nastar, Frédéric Soisson	Physical Review B	107	10.1103/physrevb.107.094103	https://doi.org/10.1103/physrevb.107.094103
Predicting magnetization of ferromagnetic binary Fe alloys from chemical short range order	Van-Truong Tran, Chu-Chun Fu, Kangming Li	Computational Materials Science	172	10.1016/j.commatsci.2019.109344	https://hal.science/cea-02473844v1
Predicting neurodevelopmental outcomes from neonatal cortical microstructure: A conceptual replication study	Andrea Gondová, Sara Neumane, Yann Leprince, Jean-François Mangin, Tomoki Arichi, Jessica Dubois	Neuroimage: Reports	3	10.1016/j.nirp.2023.100170	https://hal.science/inserm-04275764v1
Pyccel: a Python-to-X transpiler for scientific high-performance computing	Emily Bourne, Yaman Güçlü, Said Hadjout, Ahmed Ratnani	Journal of Open Source Software	8	10.21105/joss.04991	
Reconstruction of electromagnetic showers in calorimeters using Deep Learning	Polina Simkina, Fabrice Couderc, Julie Malclès, Mehmet Özgür Sahin	The European Physical Journal C	84	10.1140/epjc/s10052-024-12978-1	https://doaj.org/article/bc72d3ee75c046a1b42571c8c6bb60a6
Refined Topology of the $N=20$ Island of Inversion with High Precision Mass	E. M. Lykiardopoulou, C. Walls, J. Bergmann, M. Brodeur, C. Brown, J. Cardona, A.	Physical Review Letters	134	10.1103/physrevlett.134.052503	https://doi.org/10.1103/physrevlett.134.052503

Measurements of $^{31-33}\text{Na}$ and $^{31-35}\text{Mg}$	Czihaly, T. Dickel, T. Duguet, J.-P. Ebran, M. Frosini, Z. Hockenbery, J. D. Holt, A. Jacobs, S. Kakkar, B. Kootte, T. Miyagi, A. Mollaebrahimi, T. Murboeck, P. Navratil, T. Otsuka, W. R. Plaß, S. Paul, W. S. Porter, M. P. Reiter, A. Scalesi, C. Scheidenberger, V. Somà, N. Shimizu, Y. Wang, D. Lunney, J. Dilling, A. A. Kwiatkowski				
Self-organization of plasma edge turbulence in interaction with recycling neutrals	V. Quadri, P. Tamain, Y. Marandet, H. Bufferand, N. Rivals, G. Ciraolo, G. Falchetto, R. Düll, H. Yang	Contributions to Plasma Physics	64	10.1002/ctpp.202300146	https://doi.org/10.1002/ctpp.202300146
Self-Organized Critical Coexistence Phase in Repulsive Active Particles	Xia-qing Shi, Giordano Fausti, Hugues Chaté, Cesare Nardini, Alexandre Solon	Physical Review Letters	125/16	10.1103/PhysRevLett.125.168001	https://hal.science/cea-04344872v1
Self-similar solutions for Fuzzy Dark Matter	Raquel Galazo-García; Philippe Brax; Patrick Valageas	Phys.Rev.D	105 (12)	10.48550/arxiv.2203.05995	http://arxiv.org/abs/2203.05995
Simulation of an ammonia-water absorption cycle using exchanger effectiveness	Simone Braccio, Hai Trieu Phan, Mathilde Wirtz, Nicolas Tauveron, Nolwenn Le Pierrès	Applied Thermal Engineering	213	10.1016/j.applthermaleng.2022.118712	https://hal.science/hal-03983478v1
Solitons and halos for self-interacting scalar dark matter	Raquel Galazo García, Philippe Brax, Patrick Valageas	Physical Review D	109	10.1103/PhysRevD.109.043516	https://doi.org/10.48550/arxiv.2304.10221
Solver comparison for Poisson-like equations on tokamak geometries	Emily Bourne, Philippe Leleux, Katharina Kormann, Carola Kruse, Virginie Grandgirard, Yaman Güçlü, Martin J. Kühn, Ulrich Rüde, Eric Sonnendrücker, Edoardo Zoni	Journal of Computational Physics	488	10.1016/j.jcp.2023.112249	https://doi.org/10.1016/j.jcp.2023.112249
Spherical Harmonics and Discontinuous Galerkin Finite Element Methods for the Three-Dimensional Neutron Transport Equation: Application to Core and Lattice Calculation	Kenneth Assogba, Lahbib Bourhrara, Igor Zmijarevic, Grégoire Allaire, Antonio Galia	Nuclear Science and Engineering	197	10.1080/00295639.2022.2154546	https://hal.science/hal-04196458/file/pndg3d.pdf
Statistical properties of microphase and bubbly phase-separated active fluids	Giordano Fausti, Michael E. Cates, Cesare Nardini	Physical Review E	110	10.1103/PhysRevE.110.042103	https://arxiv.org/html/2410.18770v1
Stress factor identification and Risk Probabilistic Number (RPN) analysis of Li-ion batteries based on worldwide electric vehicle usage	Marc Haber, Philippe Azaïs, Sylvie Genies, Olivier Raccurt	Applied Energy	343	10.1016/j.apenergy.2023.121250	https://cea.hal.science/cea-04160964v1

Symmetry-restored Skyrme-random-phase-approximation calculations of the monopole strength in deformed nuclei	A. Porro, G. Colò, T. Duguet, D. Gambacurta, V. Somà	Physical Review C	109	10.1103/physrevc.109.044315	https://doi.org/10.48550/arxiv.2312.10410
The DAQ and clock distribution system of CMS MIP Timing Detector	Polina Simkina	Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	1047	10.1016/j.nima.2022.167802	https://hal.science/hal-03878122v1
The next-generation sequencing—chess problem	Leo Zeitler, Arach Goldar, Cyril Denby Wilkes, Julie Soutourina	NAR Genomics and Bioinformatics	6	10.1093/nargab/lqae144	https://academic.oup.com/nargab/article-pdf/6/4/lqae144/60777602/lqae144.pdf
Time-averaged approach to the dewetting problem at evaporation	Xiaolong Zhang, Vadim S. Nikolayev	Europhysics Letters	142	10.1209/0295-5075/accec6	http://arxiv.org/abs/2305.07659
Total Energy beyond GW: Exact Results and Guidelines for Approximations	Abdallah El-Sahili, Francesco Sottile, Lucia Reining	Journal of Chemical Theory and Computation	20	10.1021/acs.jctc.3c01200	https://doi.org/10.48550/arxiv.2312.04154
Towards a multi-fidelity deep learning framework for a fast and realistic generation of ultrasonic multi-modal Total Focusing Method images in complex geometries	G.E. Granados, R. Miorelli, F. Gatti, S. Robert, D. Clouteau	NDT & E International	139	10.1016/j.ndteint.2023.102906	https://cea.hal.science/cea-04189385v2/document
Ultrashort high energy electron bunches from tunable surface plasma waves driven with laser wavefront rotation.	S. Marini, P. S. Kleij, F. Pisani, F. Amiranoff, M. Grech, A. Macchi, M. Raynaud, and C. Riconda	Phys. Rev. E	Vol.103	10.1103/physreve.103.021201	https://hal-cnrs.archives-ouvertes.fr/X-LULI/hal-03515445
Using a multi-layer snow model for transient paleo-studies: surface mass balance evolution during the Last Interglacial	Thi-Khanh-Dieu Hoang, Aurélien Quiquet, Christophe Dumas, Andreas Born, Didier M. Roche	Climate of the Past	21	10.5194/cp-21-27-2025	https://hal.science/hal-04869886v1