

Publication List of the Flanders AI Research Program

Publications 2025

Publications with acknowledgement from the Flanders AI Research Program - Published or accepted for publication

AI-driven Data Science



Situated AI



For more info on the program, the research challenges and the contact persons:
www.flandersairesearch.be

Publication	Link to publicly available copy of the publication	Grand Challenge Number
[Abels2025a] Abels, A., Trianni, V., Nowé, A., & Lenaerts, T. (2025). Collective Intelligence in Decision-Making with Non-Stationary Experts. <i>Journal of Artificial Intelligence Research</i> , 83, 1-27. Article 9.	https://doi.org/10.1613/jair.1.16228	2
[Abels2025b] Abels, A., & Lenaerts, T. (2025). Wisdom from Diversity: Bias Mitigation Through Hybrid Human-LLM Crowds. In J. Kwok (Ed.), <i>Proceedings of the Thirty-Fourth International Joint Conference on Artificial Intelligence, IJCAI-25</i> (pp. 321-329). (IJCAI International Joint Conference on Artificial Intelligence). International Joint Conferences on Artificial Intelligence Organization.	https://doi.org/10.24963/ijcai.2025/37	2
[Ablanque2025] Ablanque, Nicolas, Nasrulloh Ratu Bagus Satrio Loka, Santiago Torras, Sriram Gurumurthy, Joaquim Rigola, Carles Oliet, Ivo Couckuyt, Tom Dhaene, and Antonello Monti. 2025. "Vapor Compression System Data-Driven Surrogate Models for Aircraft Environmental Control Systems." <i>INTERNATIONAL JOURNAL OF REFRIGERATION</i> 178: 336–46.	https://doi.org/10.1016/j.ijrefrig.2025.06.035	1
[Achten2025] Sonny Achten, Zander Op de Beeck, Francesco Tonin, Volkan Cevher, Johan A. K. Suykens, HeNCler: Node Clustering in Heterophilous Graphs via Learned Asymmetric Similarity, ICANN 2025.		1

[Adriaensen2025] R. Adriaensen, J. Maene, "Extracting Moore Machines from Transformers Using Queries and Counterexamples", Advances in Intelligent Data Analysis XXIII; 2025; Vol. 15669; pp. 419 - 431, 2025		1
[Algaba2025] Algaba, A., Mazijn, C., Holst, V. T., Tori, F. J., Wenmackers, S., & Ginis, V. (2024). Large Language Models Reflect Human Citation Patterns with a Heightened Citation Bias. Annual Conference of the Nations of the Americas Chapter of the Association for		2
[Ally2025a] Ally, S., Daems, P.-J., Verstraeten, T., Nowe, A., & Helsen, J. (2025). Modular deep learning approach for wind farm power forecasting and wake loss prediction. Wind Energy Science, 10(4), 779-812.	https://doi.org/10.5194/wes-10-779-2025	2
[Ally2025b] Ally, S., Verstraeten, T., Nowé, A., & Helsen, J. (2025). Day-ahead trading and power control for hybrid wind-hydrogen plants with multi-agent reinforcement learning. Applied Energy, 401(part A), 1-20. Article 126588. https://doi.org/10.1016/j.apenergy.2025.126588		2
[Amini2025a] Amini, Sasan, Antonio Candelieri, and Inneke Van Nieuwenhuyse. "Decision Maker Preferences in Surrogate-Based Multi-Objective Optimization: A Survey." In Learning and Intelligent Optimization, edited by Yingqian Zhang, Milan Hladik, and Hossein Moosaei. Springer Nature Switzerland, 2026.	https://doi.org/10.1007/978-3-032-09156-7_12	
[Amini2025b] AMINI, Sasan, and Inneke VAN NIEUWENHUYSE. "A Tutorial on Kriging-Based Stochastic Simulation Optimization." In Simulation Workshop. Operational Research Society. 12th 2025.		
[Amini2025c] Amini, Sasan, Inneke Vannieuwenhuyse, and Alejandro Morales-Hernández. "Constrained Bayesian Optimization: A Review." IEEE Access 13 (2025): 1581–93.	https://doi.org/10.1109/ACCESS.2024.3522876	
[Ally2025c] Ally, S., Verstraeten, T., Nowé, A., & Helsen, J. (2025). Optimal day-ahead trading and power control for a hybrid wind-hydrogen plant with multi-agent reinforcement learning. Journal of Physics: Conference Series, 3025(1), Article 012022.	https://doi.org/10.1088/1742-6596/3025/1/012022	2
[AnL2025] An, Lixuan, Bernard De Baets, and Stijn Luca. 2025. "The Extreme Value Support Measure Machine for Group Anomaly Detection." MATHEMATICS 13 (11).	https://doi.org/10.3390/math13111813 .	1
[Avalos2025a] Avalos, R., Bargiacchi, E., Nowe, A., Roijers, D., & Oliehoek, F. A. (2025). Online Planning in POMDPs with State-Requests. Reinforcement Learning Journal, 1,		2

[Avila2025a] Jara Avila, F. J., Verstraeten, T., Daems, P.-J., Nowe, A., & Helsen, J. (2025). A Methodology for Turbine-Level Possible Power Prediction and Uncertainty Estimations Using Farm-Wide Autoregressive Information on High-Frequency Data. <i>Energies</i> , 18(14), 1-23. Article 3764. https://doi.org/10.3390/en18143764		2
[AvilaCampos2025] Avila-Campos, Pablo, Jetmir Haxhibeqiri, Xianjun Jiao, Ingrid Moerman, and Jeroen Hoebeke. 2025. "Traffic Pattern-Based Scheduling for Wireless Non-TSN End Nodes." In 2025 IEEE 21ST INTERNATIONAL CONFERENCE ON FACTORY COMMUNICATION SYSTEMS, WFCS, 1–2. IEEE. .	https://doi.org/10.1109/wfcs63373.2025.11077621	2
[Azmani2025] Azmani, H., Rosseau, A., Blondeel, M., & Nowe, A. (2025). A JAX-Accelerated Simulation Framework for Multi-Agent Energy Management in Energy Communities. <i>Proceedings of the International Joint Conference on Autonomous Agents and Multiagent Systems</i> , 3003-3005.	https://www.ifaamas.org/Proceedings/aamas2025/pdfs/p3003.pdf	2
[Baert2025a] Baert, Mattijs, Pietro Mazzaglia, Sam Leroux, and Pieter Simoens. 2025. "Maximum Causal Entropy Inverse Constrained Reinforcement Learning." <i>MACHINE LEARNING</i> 114 (4). .	https://doi.org/10.1007/s10994-024-06653-5	2
[Baert2025b] Baert, Mattijs, Sam Leroux, and Pieter Simoens. 2025. "Reward Machine Inference for Robotic Manipulation." In 8th Workshop on Generalization in Planning (GenPlan), Part of AAAI2025, Proceedings		2
[Baert2025c] Baert, Mattijs, Sam Leroux, and Pieter Simoens. 2025. "Learning Task Specifications from Demonstrations as Probabilistic Automata." In 2025 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION (ICRA), edited by C Ott, 8267–74. NEW		2
[Bagot2025a] Louis Bagot, Lynn D’eer, Steven Latré, Tom De Schepper & Kevin Mets. "GPI-tree search: algorithms for decision-time planning with the general policy improvement theorem". <i>Neural Computing and Applications</i> , July 2025.	https://doi.org/10.1007/s00521-025-11304-4	2
[Banari2025] Banari, N., Lotfi, E., & Daelemans, W. BEIR-NL: Zero-shot Information Retrieval Benchmark for the Dutch Language. Accepted for publication in <i>Proceedings of the 18th Workshop on Building and Using Comparable Corpora</i> , co-located with COLING 2025.	https://arxiv.org/abs/2412.08329	2

[Bagot2025b] Bagot, L., Alegre, L. N., Latré, S., Mets, K., & da Silva, B. C. (2025). Successor Clusters: A Behavior Basis for Unsupervised Zero-Shot Reinforcement Learning. Transactions on Machine Learning Research.	https://openreview.net/forum?id=UB22Tt3sfF	2
[Barfuss2025] Barfuss, W., Flack, J., Gokhale, C. S., Hammond, L., Hilbe, C., Hughes, E., Leibo, J. Z., Lenaerts, T., Leonard, N., Levin, S., Madhushani Sehwal, U., McAvoy, A., Meylahn, J. M., & Santos, F. P. (2025). Collective cooperative intelligence. Proceedings of the National Academy of Sciences of the United States of America, 122(25), 1-10. Article e2319948121.		2
[Berrevoets2025] Berrevoets, J., Raymaekers, J., Van der Schaar, M., Verdonck, T., & Yao, R. (2025, April). Differentiable Causal Structure Learning with Identifiability by NOTIME. In International Conference on Artificial Intelligence and Statistics (pp. 3115-3123). PMLR.	https://raw.githubusercontent.com/mlresearch/v258/main/assets/berrevoets25a/berrevoets25a.pdf	2
[Beigrezaei2025] A. Beigrezaei, A. Vroman. Transfer learning and uncertainty estimation for data-driven battery state of health estimation. Machine Learning and Principles and Practice of Knowledge Discovery in Databases – International Workshops of ECML PKDD 2025, Porto,		1
[Bhat25a] Bhattacharya, A., Stumpf, S., De Croon, R., & Verbert, K. (2025, April). Explanatory Debiasing: Involving Domain Experts in the Data Generation Process to Mitigate Representation Bias in AI Systems. In Proceedings of the 2025 CHI Conference on Human Factors in Computing Systems (pp. 1-20).		1
[Bhattacharya2025] Bhattacharya, A., Vanherwegen, T., Verbert, K. (2025). Show Me How: Benefits and Challenges of Agent-Augmented Counterfactual Explanations for Non-Expert Users. In 33rd ACM Conference on User Modeling, Adaptation and Personalization (UMAP 2025) (pp. 174 - 184).	https://doi.org/10.1145/3699682.3728321	1
[Blockeel2025] H. Blockeel, D. Van Wesenbeeck, A. Al Warrad, "Evidence Accumulation as a Combining Rule for Decision Forests", Challenges and Algorithms for Knowledge Discovery from Data; 2025; Vol. 16067; pp.		1

[Peleaz2025a] Borja Lopez Pelaez, M., Dhondt, J., Bertels, J., Van Hauwermeiren, D., & Verwaeren, J. (2025). A multitask modelling framework for tablet manufacturability and quality attributes in direct compression using knowledge-guided neural networks. INTERNATIONAL JOURNAL OF PHARMACEUTICS, 686.	https://doi.org/10.1016/j.ijpharm.2025.126313	1
[Peleaz2025b] Borja Lopez Pelaez, M., Dhondt, J., Bertels, J., Van Hauwermeiren, D., & Verwaeren, J. (2025). Modelling the effect of base component properties and processing conditions on mixture products using probabilistic, knowledge-guided neural networks. INTERNATIONAL JOURNAL OF PHARMACEUTICS, 669.	https://doi.org/10.1016/j.ijpharm.2024.125012	1
[Bocklandt2025] S. Bocklandt, W. Meert, L. De Raedt, V. Derkinderen, K. Vanderstraeten, W. Pijpops, K. Jaspers, "Queryable and Interpretable PU Learning through Probabilistic Circuits", ECML PKDD: Joint European Conference on Machine Learning and Knowledge Discovery in Databases; 2025; Vol. 16015; pp. 425 - 442,		1
[Bollen2025] Bollen, Jeroen; Van den Bussche, Jan; Vansummeren, Stijn; Virtema, Jonni. "Halting Recurrent GNNs and the Graded μ -Calculus". Proceedings of the 22nd International Conference on Principles of Knowledge Representation and Reasoning (KR) 2025.	https://doi.org/10.24963/krr.2025/18	1
[Booth2025] Booth, B., Leroux, S., Verhees, D., Vandecasteele, M., Blanc, C., Bey-Temsamani, A., & Philips, W. (2025). Hybrid data fusion for low-cost high-speed monitoring in powder bed fusion 3D printing. 2025 17TH INTERNATIONAL CONFERENCE ON COMPUTER AND AUTOMATION ENGINEERING, ICCAE. Presented at the The 17th International Conference on Computer and Automation Engineering (ICCAE 2025), Perth, Australia.	https://doi.org/10.1109/ICCAE64891.2025.10980583	2
[Botman2025] Botman, L., Lago Garcia, J., Becker, T., Vanthournout, K., De Moor, B. (2025). A global probabilistic approach for short-term forecasting of individual households electricity consumption. In Applied Energy (Vol. 382).	https://doi.org/10.1016/j.apenergy.2024.125168	1

[Botoko2025] Botoko Ekila, J., Verheyen, L., Beuls, K., & Van Eecke, P. (2025). Constructions All the Way Up: From Sensory Experiences to Construction Grammars. In C. Bonial, M. Torgbi, L. Weissweiler, A. Blodgett, K. Beuls, P. Van Eecke, & H. T. Madabushi (Eds.), Proceedings of the Second International Workshop on Construction Grammars and NLP (pp. 84-95). Association for Computational Linguistics (ACL).	https://aclanthology.org/volumes/2025.cxgslp-1/	2
[Bransen2025] L. Bransen, J. Davis, "Measuring player pace of play in elite female association football", International Journal Of Sports Science & Coaching; 2025; Vol. 20; iss. 4; pp. 1541 - 1548, 2025		1
[Bruninx2025] Bruninx, M., Verstraeten, T., Kazempour, J., & Helsen, J. (2025). Day-Ahead Bidding Strategies for Wind Farm Operators Under a One-Price Balancing Scheme. In E-Energy '25: Proceedings of the 16th ACM International Conference on Future and Sustainable Energy Systems (blz. 719-726). (E-ENERGY 2025 - Proceedings of the 2025 16th ACM International Conference on Future and Sustainable Energy Systems). ACM Digital Library.	https://doi.org/10.1145/3679240.3734639	2
[Buyl2025a] Buyl, Maarten, Alexander Rogiers, Sander Noels, Iris Dominguez-Catena, Edith Heiter, Raphaël Romero, Iman Johary, Alexandru-Cristian Mara, Jefrey Lijffijt, and Tijl De Bie. 2024. "Large Language Models Reflect the Ideology of Their Creators."	https://doi.org/10.48550/arXiv.2410.18417	1
[Buyl2025b] Buyl, Maarten, Hadi Khalaf, Claudio Mayrink Verdun, Lucas Monteiro Paes, Caio C. Vieira Machado, and Flavio du Pin Calmon. 2025. "AI Alignment at Your Discretion." In PROCEEDINGS OF THE 2025 ACM CONFERENCE ON FAIRNESS, ACCOUNTABILITY, AND TRANSPARENCY, ACM FACCT 2025, 3046–74. Association for Computing Machinery (ACM).	https://doi.org/10.1145/3715275.3732194	1
[Cannoodt2025] Cannoodt, Robrecht, Louise Deconinck, Artuur Couckuyt, Nikolay S. Markov*, Luke Zappia, Malte D. Luecken, Marta Interlandi, Yvan Saeys, and Wouter Saelens. 2025. "Funkyheatmap : Visualising Data Frames with Mixed Data Types." JOURNAL OF OPEN SOURCE SOFTWARE 10 (108).	https://doi.org/10.21105/joss.07698	1

[Cardinaels2025] Dries Cardinaels, Tom Veuskens, Raf Ramakers, and Kris Luyten. 2025. Challenges and Opportunities for Delay-Invariant Telerobotic Interactions. In Companion Proceedings of the 30th International Conference on Intelligent User Interfaces (IUI '25 Companion). Association for Computing Machinery, New York, NY, USA, 26–30.	https://doi.org/10.1145/3708557.3716332	2
[Cardoen2025] Cardoen, Thorsten, Patricia Soster de Carvalho, Gunther Antonissen, Frank A. M. Tuytens, Sam Leroux, and Pieter Simoens. 2025. “Multi-Camera Detection and Tracking for Individual Broiler Monitoring.” COMPUTERS AND ELECTRONICS IN AGRICULTURE 237 (Part A).	https://doi.org/10.1016/j.compag.2025.109202	2
[Carpentier2025] L. Carpentier, W. Meert, M. Verbeke, "InTimeAD: Interactive Time Series Anomaly Detection", The 40th Annual AAAI Conference on Artificial Intelligence		1
[Cascioli2025] Cascioli, L., Jain, C., Steinmetz, M., Davis, J., Hoffmann, J. (2025). Safety Debugging of Tree-Ensemble Action Policies in AI Planning: From Fault Detection to Fault Fixing. In Proceedings of the ICAPS'25 Workshop on Reliability In Planning and Learning (RIPL).		1
[Cassiman2025] Cassiman, S., Proesmans, M., Tuytelaars, T., & Van Gool, L. (2025). Model Weights Reflect a Continuous Space of Input Image Domains. Winter Conference on Applications of Computer Vision		1
[Chamiti2025] Chamiti, T., Di Bella, L., Munteanu, A., & Deligiannis, N. (2025). ReferGPT: Towards Zero-Shot Referring Multi-Object Tracking. In Proceedings of the Computer Vision and Pattern Recognition Conference (CVPR) Workshops WDFM-AD (pp. 3849-3858). IEEE.	https://openaccess.thecvf.com/content/CVPR2025W/WDFM-AD/papers/Chamiti_ReferGPT_Towards_Zero-Shot_Referring_Multi-Object_Tracking_CVPRW_2025_paper.pdf	2
[Chen2025a] Chen, C., D'hondt, R., Vens, C., van den Noortgate, W. (2025). Factor Retention in Exploratory Multidimensional Item Response Theory. In Educational And Psychological Measurement (Vol. 85, Number 4, pp. 672 - 695).	https://doi.org/10.1177/00131644241306680	1
[Claes2025] Claes, Evan, Tommy Heck, Roger Dalmau-Diaz, Mark Duerkop, Filip Donvil, Anais Schaschkow, Britt Van Ballaer, Jan Verwaeren, and Jan Schrooten. 2025. “Digital Model-Driven Cell & Gene Therapy Process Development.” BIOTECHNOLOGY AND BIOENGINEERING 122 (12): 3271–84	http://hdl.handle.net/1854/LU-01KCRNEEKS41FAN3CZE55BGSSZ	1

[Chen2025b] Chen, L., Kuuliala, L., Walgraeve, C., Demeestere, K., Devlieghere, F., & De Baets, B. (2025). Multi-target prediction in volatolomics with deep neural networks : modeling volatile organic compounds produced by <i>Brochothrix thermosphacta</i> under modified atmospheres. FOOD RESEARCH INTERNATIONAL, 222(part 1).	https://doi.org/10.1016/j.foodres.2025.117731	1
[ChenG2025b] Chen, Guangan ; Truong, Anh Minh ; Lin, Hanhe ; Vlamincx, Michiel ; Philips, Wilfried ; Luong, Hiep, Improving novel view synthesis of 360° scenes in extremely sparse views by jointly training hemisphere sampled synthetic images, 2025, 2025 IEEE International Conference on Image Processing (ICIP). 2025. IEEE. p.821-826	http://hdl.handle.net/1854/LU-01K6ABT31SZZSDBF3J0EW-M2YQS	2
[Coenen2025] Tanguy Coenen, Michiel Fierens, Beatriz Esteves, Esther De Loof, "A perspective on the use of personal data stores in data spaces to support multiparty data access as required by the data Act." Data in Brief, Vol 62, 2025, 111949.	https://www.sciencedirect.com/science/article/pii/S2352340925006730	2
[Colleman2025] Coleman, S., Nardi-Dei, A., Geilen, M. C., Stuijk, S., & Goedemé, T. (2025). A Flexible Multi-Core Hardware Architecture for Stereo-Based Depth Estimation CNNs. Electronics, 14(22), 4425.		2
[Coppens2025] Coppens, Ine, Toon De Pessemier, and Luc Martens. 2025. "Investigating Different Recommender Algorithms in the Domain of Physical Activity Recommendations : A Longitudinal between-Subjects User Study." USER MODELING AND USER-ADAPTED INTERACTION 35 (1). https://doi.org/10.1007/s11257-025-09427-3	https://doi.org/10.1007/s11257-025-09427-3	2
[Cornelissen2025] Cornelissen, Ciem, Sam Leroux, and Pieter Simoens. 2025. "Adaptive Clustering for Efficient Phenotype Segmentation of UAV Hyperspectral Data." In 2025 IEEE/CVF WINTER CONFERENCE ON APPLICATIONS OF COMPUTER VISION WORKSHOPS, WACVW, 422–31. IEEE.	https://doi.org/10.1109/WACVW65960.2025.00053	2
[Cornelissen2025b] Cornelissen, Ciem, De Coninck, S., Willekens, A., Leroux S., Simoens P. "In-Field Mapping of Grape Yield and Quality with Illumination invariant Deep Learning". IEEE Internet of Things Journal vol. 12(23), Dec. 2025	http://hdl.handle.net/1854/LU-01KBQHFNMQ324FRGADX-XSQ3KAS	2

[Cuyckens2025a] Cuyckens, S., Antonio, R., Fang, C., & Verhelst, M. (2025). iEEG Seizure Detection with a Sparse Hyperdimensional Computing Accelerator. In 2025 20th International Conference on PhD Research in Microelectronics and Electronics (PRIME).		2
[Cuyckens2025b] S. Cuyckens, X. Yi, N. S. Murthy, C. Fang and M. Verhelst, "Efficient Precision-Scalable Hardware for Microscaling (MX) Processing in Robotics Learning," 2025 IEEE/ACM International Symposium on Low Power Electronics and Design (ISLPED), Reykjavik, Iceland, 2025, pp. 1-7, doi: 10.1109/ISLPED65674.2025.11261796.		2
[D'hondt2025] R. D'hondt, L. Van Kleunen, P. Ilidio, C. Vens, "Challenging the Binary Classification Paradigm in Longitudinal Health Data Settings", PharML workshop at		1
[Daems2025] Daems, R., Oppen, M., Crevecoeur, G., & Birdal, T. (2025). Efficient training of neural SDEs using stochastic optimal control. ESANN 2025 : 33rd European Symposium on Artificial Neural Networks, Computational Intelligence and Machine Learning, Proceedings, 693–698.	https://doi.org/10.14428/esann/2025.es2025-182	1
[Daenens2025a] Daenens, S., Verstraeten, T., Daems, P.-J., Nowe, A., & Helsen, J. (2025). Power Prediction in Offshore Wind Farms using Transferable Multi-Task Graph Neural Networks. Journal of Physics: Conference Series, 3016, Article 012021.	https://doi.org/10.1088/1742-6596/3016/1/012021	2
[Daenens2025b] Daenens, S., Verstraeten, T., Daems, P.-J., Nowe, A., & Helsen, J. (2025). Spatio-temporal graph neural networks for power prediction in offshore wind farms using SCADA data. Wind Energy Science, 10(6), 1137-1152.	https://doi.org/10.5194/wes-10-1137-2025	2
[Daniels2025] T. Daniels, M. Bosteels, P. Robberechts, J. Davis, "RegCheck: A Real-Time Approach for Flagging Potentially Malicious Domain Name Registrations", Proceedings of the 31st ACM SIGKDD Conference on Knowledge Discovery and Data Mining V.2; 2025		1
[Davis2025] Davis, J., Robberechts, P. (2025). Expected Metrics as a Measure of Skill: Reflections on Finishing in Soccer. In Proceedings of the 10th Workshop on Machine Learning and Data Mining for Sports Analytics.	https://doi.org/10.1007/978-3-031-86692-0	1

[DeBaer2025] J. De Baer, A.S. Doğruöz, T. Demeester and C. Develder, "Single- vs. dual-prompt dialogue generation with LLMs for job interviews in human Resources", in Proc. 4th Generation Evaluation & Metrics (GEM) workshop at ACL 2025, Vienna, Austria, 31 Jul. 2025, pp. 947-957.	https://aclanthology.org/2025.gem-1.74/	2
[Deberdt 2025] Deberdt, G., Rabaey, P., Van Damme, S., Quenon, L., Decat, P., & Demeester, T. (2025) Using causal effect estimation to evaluate occupational stress factors during a weekend on-call shift among general practitioners in training. BMC Primary Care.	https://link.springer.com/content/pdf/10.1186/s12875-025-03140-1_reference.pdf	2
[Debot2025] Debot, David, Gabriele Venturato, Giuseppe Marra, and Luc De Raedt. "Neurosymbolic Reinforcement Learning: Playing MiniHack With Probabilistic Logic Shields." In AAAI 2025.		1
[DeConinck2025a] De Coninck, S., Leroux, S., & Simoens, P. (2025). Exploring correlated facial attributes in text-to-image models : unintended consequences in synthetic face generation. 2025 IEEE/CVF WINTER CONFERENCE ON APPLICATIONS OF COMPUTER VISION WORKSHOPS, WACVW, 1302–1311.	https://doi.org/10.1109/WACVW65960.2025.00153	2
[DeConinck2025b] De Coninck, Sander, Emilio Gamba, Bart Van Doninck, Abdellatif Bey-Temsamani, Sam Leroux, and Pieter Simoens. 2025. "Enabling Privacy-Aware AI-Based Ergonomic Analysis." In PROCEEDIA CIRP, 136:371–76. (35th CIRP Design 2025)	https://doi.org/10.1016/j.procir.2025.08.065	2
[Decorte2025] Decorte, Jens-Joris, Jeroen Van Haute, Chris Develder, and Thomas Demeester. 2025. "Efficient Text Encoders for Labor Market Analysis." IEEE ACCESS 13: 133596–608.	https://doi.org/10.1109/ACCESS.2025.3589147	2
[Defrance2025] Defrance, Marybeth, and Tijl De Bie. 2025. "Maximal Combinations of Fairness Definitions." JOURNAL OF ARTIFICIAL INTELLIGENCE RESEARCH		1
[Defrance2025b] Defrance, M., Buyl, M., & De Bie, T. (2025). ABCFair : an adaptable benchmark approach for comparing fairness methods. In H. Weerts, M. Pechenizkiy, D. Allhutter, A. M. Corrêa, T. Grote, & C. Liem (Eds.), PROCEEDINGS OF MACHINE LEARNING RESEARCH (Vol. 294, pp. 383–388). PMLR.		1
[Defre2025] Marianne Defresne , Jayanta Mandi and Tias Guns. "Preference Elicitation for Multi-objective Combinatorial Optimization with Active Learning and Maximum Likelihood Estimation." In IJCAI 2025.		1

[Dekker2025] Dekker, P., Klammer, M., & de Boer, B. (2025). Phonotactic mechanisms behind contact-induced morphological simplification in Alorese: An agent-based model of intergenerational transmission. <i>Language dynamics and change</i> , 15(1), 1-39. Article 1.	https://doi.org/10.1163/22105832-bja10036	2
[Delgrange2025a] Delgrange, F., Avni, G., Lukina, A., Schilling, C., Nowe, A., & Pérez, G. (2025). Composing Reinforcement Learning Policies, with Formal Guarantees. In <i>Composing Reinforcement Learning Policies, with Formal Guarantees</i> (Vol. Proceedings of the 24th International Conference on Autonomous Agents and Multiagent Systems, pp. 574-583). ACM.	https://dl.acm.org/doi/10.5555/3709347.3743573	2
[Delgrange2025b] Delgrange, F., Avni, G., Lukina, A., Schilling, C., Nowe, A., & Pérez, G. A. (2025). Controller Synthesis from Deep Reinforcement Learning Policies. Paper presented at PRL Workshop Series , Philadelphia, Pennsylvania, United States.	https://prl-theworkshop.github.io/prl2025-aaai/papers/23.pdf	2
[DeMeulemeester2025] De Meulemeester, H., De Smet, F., van Dorst, J., Derroitte, E., De Moor, B. (2025). Explainable unsupervised anomaly detection for healthcare insurance data. In <i>Bmc Medical Informatics And Decision Making</i> (Vol. 25, Number 1).	https://doi.org/10.1186/s12911-024-02823-6	1
[DePessemier2025] De Pessemier, T, Willems, B. & Martens, L, “Active learning algorithm for alleviating the user cold start problem of recommender systems”. <i>Sci Rep</i> 15, 24493, 2025.s41598-025-09708-2	https://doi.org/10.1038/	2
[Depoortere2025] Depoortere, J., Driesen, J., Suykens, J., Kazmi, H. (2025). SolNet: Open-source deep learning models for photovoltaic power forecasting across the globe. In <i>International Journal Of Forecasting</i> (Vol. 41, Number 3).	https://doi.org/10.1016/j.ijforecast.2024.12.003	1
[Deprez2025] Deprez, B., Wei, W., Verbeke, W., Baesens, B., Mets, K., & Verdonck, T. (2025). Advances in continual graph learning for anti-money laundering systems : a comprehensive review. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 17(3), 1–28. https://doi.org/10.1002/WICS.70040	https://doi.org/10.1002/WICS.70040	2
[deTinguy2025] de Tinguy, D., Verbelen, T., Gamba, E., & Dhoedt, B. (2025). Bio-inspired topological autonomous navigation with active inference in robotics. 2025 25th International Conference on Control, Automation and Systems (ICCAS), 1698–1705		2

[Deproost2025a] Deproost, S., Steckelmacher, D., & Nowe, A. (2025). Human-Readable Programs as Actors of Reinforcement Learning Agents Using Critic-Moderated Evolution. . In Communications in Computer and Information Science: BNAIC/BeNeLearn 2024 post-		2
[Desmedt2025] Desmedt, C., Budts, W., De Vos, M., Moons, P. (2025). Artificial intelligence-generated podcasts open new doors to make science accessible: a mixed-method evaluation of quality and the potential for science communication. In European Journal Of Cardiovascular Nursing (Vol. 24, Number 6, pp. 885 - 895).	https://doi.org/10.1093/eurjcn/zvaf074	1
[DeSmet2025] De Smet, Lennert, Gabriele Venturato, Luc De Raedt, and Giuseppe Marra. "Relational neurosymbolic Markov models." In AAAI 2025.		1
[Devogel2025] Devogel A., De Lathauwer L., "Blind identification of underdetermined mixtures via reduced tensor decomposition", Tech. Report 25-67, ESAT-STADIUS, KU Leuven (Leuven, Belgium), 2025. In Proceedings of the 33rd European Signal Processing Conference (EUSIPCO 2025), Palermo, Italy, 2025.		1
[DeVogelaere2025] De Vogelaere, R., Van Dessel, K., Vennekens, J. (2025). A practical approach to handling tabular data in logic. In: Lecture Notes in Computer Science. Presented at the Practical Aspects of Declarative Languages (PADL), Denver, Colorado, USA, 20 Jan 2025-		1
[Devos2025] L. Devos, T. Martens, D. C. Oruç, W. Meert, H. Blockeel, J. Davis, "Compressing Tree Ensembles Through Level-Wise Optimization and Pruning", Proceedings of the 42nd International Conference on		1
[Delaeter2025] Delaeter, Thomas, Xianlu Li, Nicolas Nadisic, and Aleksandra Pizurica. 2025. "Semi-Supervised Deep Subspace Clustering for Hyperspectral Images." In EUVIP 2025 : 13th European Workshop on Visual Information Processing.	https://doi.org/10.1109/EUVIP.66349.2025.11238439	1
[DeWaele2025] De Waele, Gaetan, Gerben Menschaert, Peter Vandamme, and Willem Waegeman. 2025. "Pre-Trained Maldi Transformers Improve MALDI-TOF MS-Based Prediction." COMPUTERS IN BIOLOGY AND MEDICINE 186.	https://doi.org/10.1016/j.compbiomed.2025.109695	1

[DeWinne2025] J. De Winne, S. Willems, S. Luthman, D. Babin, H. Luong, W. Ceelen. "Clinical validation of deep learning for real-time tissue oxygenation estimation using spectral imaging." 28th international conference on medical image computing and computer aided interventions (MICCAI 2025) 23-27 September, 2025. Proceedings, Part X, 15969, 119–126.	https://link.springer.com/chapter/10.1007/978-3-032-05127-1_12 ;	2
[Dewolf2025] Dewolf, Nicolas, Bernard De Baets, and Willem Waegeman. 2025. "Conditional Validity of Heteroskedastic Conformal Regression." INFORMATION AND INFERENCE-A JOURNAL OF THE IMA 14 (2).	doi:10.1093/imaiai/iaaf013.	1
[Dewulf2025] Dewulf, Pieter, Bernard De Baets, and Michiel Stock. 2025. "The Hyperdimensional Transform for Distributional Modeling, Regression and Classification." NEURAL COMPUTING & APPLICATIONS 37 (23): 19393–422.	https://doi.org/10.1007/s00521-025-11405-0 .	1
[Dewulf2025] Dewulf, Q., Manhaeve, R., Meert, W., De Raedt, L. (2025). Neurosymbolic OCR for Handwritten Tax Forms. In 28th European Conference on Artificial Intelligence (ECAI) (Vol. 413, pp. 5100 - 5103).	https://doi.org/10.3233/FAIA251429	1
[Dewulf2025b] Dewulf, P., Stock, M., & De Baets, B. (2025). The hyperdimensional transform : a holographic representation of functions. IEEE JOURNAL OF SELECTED TOPICS IN SIGNAL PROCESSING, 19(1), 3–18.	https://doi.org/10.1109/jstsp.2024.3405850	1
[Dhondt2025a] D'hondt, R., de Boer, J., Vens, C. (2025). Multi-Event Survival-Informed Clustering for Time-to-Worsening in Multiple Sclerosis. In: Lecture Notes in Computer Science, (77-87). Presented at the International Conference on Artificial Intelligence in Medicine, Pavia, Italy. doi: 10.1007/978-3-031-95838-0_8		1

[Dhondt2025b] D'hondt, R., Dedja, K., Aerts, S., Van Wijmeersch, B., Kalincik, T., Reddel, S., Havrdova, E.K., Lugaresi, A., Weinstock-Guttman, B., Mrabet, S., Lalive, P., Kermode, A.G., Ozakbas, S., Patti, F., Prat, A., Tomassini, V., Roos, I., Alroughani, R., Gerlach, O., Khoury, S.J., van Pesch, V., Sa, M.J., Prevost, J., Spitaleri, D., McCombe, P., Solaro, C., van der Walt, A., Al-Asmi, H.B A., Laureys, G., Sanchez-Menoyo, J.L., de Gans, K., Al-Asmi, A., Deri, N., Csepany, T., Al-Harbi, T., Carroll, W.M., Rozsa, C., Singhal, B., Hardy, T.A., Ramanathan, S., Peeters, L., Vens, C., MSBase Study Grp, M.S. with D'hondt, R. (corresp. author) (2025). Explainable time-to-progression predictions in multiple sclerosis. COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, 263, Art.No. ARTN		1
[Dhondt2025c] D'hondt, R., Vens, C. (2025). BellatrExplorer: An Interactive Random Forest Local Explainability Dashboard. In: Lecture Notes in Computer Science. Presented at the ECML/PKDD 2025, Porto,		1
[Dhont2025] , M. Dhont, Munteanu, A., & Tsiorkova, E. (2025) Forecasting Traffic Progression in Terms of Semantically Interpretable States by Exploring Multiple Data Representations. IEEE Transactions on Intelligent		1
[Diels2025] Laurens Diels, Michiel Vlaminck, Bas Boom, Wilfried Philips and Hiep Luong, "Towards High-Quality 3D Scans of Orchards for Automated Pruning," 2025 18th International Conference on Machine Vision (ICMV 2025), Oct.19-22, Paris, France.	http://hdl.handle.net/1854/LU-01K9VZK24BG15YRYHYZXCHRWIP	2
[DominguezCatena2025] Dominguez-Catena, Iris, Daniel Paternain, Mikel Galar, Marybeth Defrance, Maarten Buyl, and Tijl De Bie. 2025. "Biased Heritage : How Datasets Shape Models in Facial Expression Recognition."	arXiv 2503.03446	1
[Dominici2025a] Dominici, Gabriele, Pietro Barbiero, Mateo Espinosa Zarlenga, Alberto Termine, Martin Gjoreski, Giuseppe Marra, and Marc Langheinrich. "Causal Concept Graph Models: Beyond Causal Opacity in Deep		1
[Dominici2025b] Dominici, Gabriele, Pietro Barbiero, Francesco Giannini, Martin Gjoreski, Giuseppe Marra, and Marc Langheinrich. "Counterfactual Concept Bottleneck Models." In ICLR 2025.		1

[Dooms2025] Dooms, T., Gauderis, W., "Finding Manifolds with Bilinear Autoencoders", International Workshop on Mechanistic Interpretability held in conjunction with the International Conference on Neural Information Processing Systems (NeurIPS) 2025. (spotlight, Oral).	https://doi.org/10.48550/arXiv.2510.16820	2
[Dooms2025b] Dooms, T., Gauderis, W., Wiggins, G. A., & Oramas, J. (2025). Compositionality unlocks deep interpretable models. In AAAI'25 workshop on CoLoRAI - Connecting Low-Rank Representations in AI, March 4, 2025, Philadelphia, Pennsylvania, USA (pp. 1–10). OpenReview.	https://doi.org/10.48550/arXiv.2504.02667	2
[Doumen2025] Doumen, J., Schmalz, V. J., Beuls, K., & Van Eecke, P. (2025). The computational learning of construction grammars: State of the art and prospective roadmap. <i>Constructions and Frames</i> , 17(1), 141-174.	https://doi.org/10.1075/cf.23026.dou	2
[Dukic2025] Đukić, N., Lebailly, T., Tuytelaars, T. (2025). Object-Centric Pretraining via Target Encoder Bootstrapping. In: The Thirteenth International Conference on Learning Representations. Presented at the ICLR 2025, Singapore, 24 Apr 2025-28 Apr 2025. (Lirias id:		1
[DuQ2025a] Du, Q., De Langhe, L., Lefever, E., & Hoste, V. (2025). LDW : Label Divergence Weighting for multimodal sentiment analysis. <i>Proceedings of the 33rd ACM International Conference on Multimedia (MM '25)</i> , 12342–12351.	https://doi.org/10.1145/3746027.3758160	2
[DuQ2025b] Du, Q., Labat, S., Demeester, T., & Hoste, V. (2025). UniC : a dataset for emotion analysis of videos with multimodal and unimodal labels. <i>LANGUAGE RESOURCES AND EVALUATION</i> , 59(3), 2857–2892.	https://doi.org/10.1007/s10579-025-09837-0	2
[DuQ2025c] Du, Q., & Hoste, V. (2025). Another approach to agreement measurement and prediction with emotion annotations. In S. Peng & I. Rehbein (Eds.), <i>Proceedings of the 19th Linguistic Annotation Workshop (LAW-XIX-2025)</i> (pp. 78–102).	https://doi.org/10.18653/v1/2025.law-1.7	2
[DuQ2025d] Du, Q., De Langhe, L., Lefever, E., & Hoste, V. (2025). Sentiment analysis on video transcripts : comparing the value of textual and multimodal annotations. In J. Bak, R. van der Goot, H. Jang, W. Buaphet, A. Ramponi, W. Xu, & A. Ritter (Eds.), <i>Proceedings of the 10th Workshop on Noisy and User-generated Text (W-NUT 2025)</i> (pp. 10–15). Association		2

[DuQ2025e] Du, Q., De Langhe, L., Lefever, E., & Hoste, V. (2025). Decoding emotion in ancient poetry : leveraging generative models for classical Chinese sentiment analysis. Proceedings of the 15th International Conference on Recent Advances in Natural Language Processing, 306–315.	https://doi.org/10.26615/978-954-452-098-4-038	2
[Eerlings2025] G. Eerlings, S. Vanbrabant, J. Liesenborgs, G. Rovelo Ruiz, D. Vanacken, & K. Luyten, AI-spectra: A visual dashboard for model multiplicity to enhance informed and transparent decision-making, in L. Zaina et al. (eds.), Engineering Interactive Computer Systems. EICS 2024 International Workshops, 55-73 (Springer Nature Switzerland).	https://doi.org/10.1007/978-3-031-91760-8_5	2
[Eisinger2025] Eisinger, J. J., Gauderis, W., Huybrecht, L. D., & Wiggins, G. (2025). Classical Data in Quantum Machine Learning Algorithms: Amplitude Encoding and the Relation Between Entropy and Linguistic Ambiguity. Entropy, 27(4), Article 433.	https://doi.org/10.3390/e27040433	2
[Elbarbari2025a] Elbarbari, M. A. H. M., Delgrange, F., Vervlimmeren, I., Efthymiadis, K., Vanderborght, B., & Nowe, A. (2025). A Framework for Flexibly Guiding Learning Agents. Neural Computing & Applications, 37(19), 13101-13117. Article 1.	https://doi.org/10.1007/s00521-022-07396-x	2
[Fang2025] Fang, C., Shi, M., Geens, R., Symons, A., Wang, Z., & Verhelst, M. (2025). Anda: Unlocking Efficient LLM Inference with a Variable-Length Grouped Activation Data Format. In 2025 IEEE International Symposium on High Performance Computer Architecture (pp. 1467–1481). IEEE.	https://doi.org/10.1109/HPCA61900.2025.00110	2
[Ferraro2025] Ferraro, Stefano, Pietro Mazzaglia, Tim Verbelen, and Bart Dhoedt. 2025. "FOCUS: Object-Centric World Models for Robotic Manipulation." FRONTIERS IN NEUROBOTICS 19.	https://doi.org/10.3389/fnbot.2025.1585386	2
[Ferraro2025b] Ferraro, Stefano, Pietro Mazzaglia, Tim Verbelen, Bart Dhoedt, and Sai Rajeswar. 2025. "Representing Positional Information in Generative World Models for Object Manipulation." In Frontiers in Artificial Intelligence and Applications, 2714–21. IOS Press.	https://doi.org/10.3233/faia251125	2

[Fong2025] F. Kong, Y. Deng, X. Yi, R. Antonio and M. Verhelst, "XDMA: A Distributed, Extensible DMA Architecture for Layout-Flexible Data Movements in Heterogeneous Multi-Accelerator SoCs," in 2025 IEEE 43rd International Conference on Computer Design (ICCD), Richardson, TX, USA, 2025, pp. 690-693, doi:		2
[Goetschalckx2025] Lore Goetschalckx, Kaili Wang, Siri Willems, Tom De Schepper. "Generative artificial intelligence to tackle visual data accessibility challenges". ADR call on book chapter on Artificial Intelligence, Data and Robotics: Foundations, Transformations, and Future Directions.	/	2
[Fonteyn2025a] Fonteyn, K., Bontinck, L., Dhaene, T., & Deschrijver, D. (2025). Augmentation-free longitudinal modeling through structuring whitened embeddings. IEEE ACCESS, 13, 159950–159960.	https://doi.org/10.1109/ACCESS.2025.3608901	1
[Friesacher2025] Friesacher, H. R., Engkvist, O., Mervin, L., Moreau, Y., & Arany, A. (2025). Achieving well-informed decision-making in drug discovery: a comprehensive calibration study using neural network-based structure-activity models. Journal of Cheminformatics, 17(1), 29.		1
[Geens2025b] Geens, R., & Verhelst, M. (2025). Hardware-Centric Analysis of DeepSeek's Multi-Head Latent Attention. In Electronics Letters (Vol. 61, Issue 1). Wiley.	https://doi.org/10.1049/ell2.70504	2
[Habijan2025] Habijan, M., Nakić, P., Galić, I., Marinčić, D., and Pizurica, A. (2025). Efficient Self-Supervised Vision Transformers for Histopathology Image Retrieval. 33rd European Signal Processing Conference (EUSIPCO), 8-12, Sept 2025, Palermo, Italy, pp. 1557-1561.DOI: 10.23919/EUSIPCO63237.2025.11226462		1
[Geirnaert2025a] Geirnaert, S., Vanthornhout, J., Francart, T., Bertrand, A. (2025). Performance Modeling for Correlation-based Neural Decoding of Auditory Attention to Speech. In Proceedings of EUSIPCO 2025.		1
[Geirnaert2025b] Geirnaert, S., Yao, Y., Francart, T., Bertrand, A. (2025). Stimulus-Informed Generalized Canonical Correlation Analysis for Group Analysis of Neural Responses to Natural Stimuli. In IEEE Journal Of Biomedical And Health Informatics (Vol. 29, Number 2, pp. 970 - 983).	https://doi.org/10.1109/JBHI.2024.3462991	1

[Gerarts2025] Mark Gerarts, Juno Steegmans, Jan Van den Bussche: SQL4NN: Validation and Expressive Querying of Models as Data. Proceedings of the Workshop on Data Management for End-to-End Machine Learning, pages 10:1–10:5. ACM, 2025.	https://doi.org/10.1145/3735654.3735946	2
[Gevers2025] Gevers, I., De Marez, V., De Bruyne, L., & Daelemans, W. (2025). WinoWhat: A Parallel Corpus of Paraphrased WinoGrande Sentences with Common Sense Categorization. In Proceedings of the 29th Conference on Computational Natural Language Learning, 31 July - 1 August, 2025, Vienna, Austria (pp. 68–80). Association for Computational Linguistics.	https://doi.org/10.18653/v1/2025.conll-1.5	2
[Geysels2025] Geysels, A., Garofalo, G., Timmerman, S., Barrenada, L., De Moor, B., Timmerman, D., Froyman, W., Van Calster, B. (2025). Artificial intelligence applied to ultrasound diagnosis of pelvic gynecological tumors : a systematic review and meta-analysis. In Gynecologic And Obstetric Investigation.	https://doi.org/10.1159/000545850	1
[Gharahighehi2025a] Gharahighehi, A., Nakano, F.K., Yang, X., Cu, W., Vens, C. (2025). Pairwise and Attribute-Aware Decision Tree-Based Preference Elicitation for Cold-Start Recommendation. In: Artificial Intelligence and Machine Learning. Presented at the The 37th Benelux Conference on Artificial Intelligence and the 34th Belgian Dutch Conference on Machine Learning, Namur.		1
[Gharahighehi2025b] Gharahighehi, A., Van Schoors, R., Topali, P., Ooge, J. (2025). The 2nd Workshop on Adaptive Lifelong Learning (ALL25). In: LAK25 Companion Proceedings, (471-474). Presented at the International Conference on Learning Analytics & Knowledge, Dublin, Ireland. New York, New York 10019, USA. ISBN: 9798400707018.	https://kuleuven.limo.libis.be/permalink/32KUL_KUL/1f7c1q7/lirias4227397	1
[Grafe2025] Grafé, H. & Van hamme, H. Graph Connectionist Temporal Classification for Phoneme Recognition, In Proc. IEEE ASRU, Dec 2025.		1
[Grohe2025] Martin Grohe, Christoph Standke, Juno Steegmans, Jan Van den Bussche: Query Languages for Neural Networks. In: S. Roy and A. Kara, editors, 28th International Conference on Database Theory, pages 9:1–9:18, Leibniz International Proceedings in Informatics, volume 328, 2025.	https://doi.org/10.4230/LIPIcs.ICDT.2025.9	2

[Hamdi2025] Amine Hamdi, M., Daghero, F., Maria Sarda, G., Van Delm, J., Symons, A., Benini, L., Verhelst, M., Jahier Pagliari, D., & Burrello, A. (2025). MATCH: Model-Aware TVM-Based Compilation for Heterogeneous Edge Devices. In IEEE Transactions on Computer-Aided Design Of Integrated Circuits And Systems (Vol. 44, Issue 10, pp. 3844–3857). Institute of Electrical and Electronics		2
[Hannah2025] G. Hannah, R. Sousa, I. Dasoulas, C. D'Amato, "On the legal implications of Large Language Model answers: A prompt engineering approach and a view beyond by exploiting Knowledge Graphs", Journal Of Web Semantics; 2025; Vol. 84, 2025		1
[Harsha2025] C. Harsha, A. Murgia, E. Tsiporkova and P. Dagnely. Discovery and characterization of operating modes in a fleet of assets via hypergraph clustering. 2024 International Conference on Industry 4.0 and Smart		1
[Hassan2025] Hassan, A., Vantilborgh, V., Kayedpour, N., Lefebvre, T., Coene, A., & Crevecœur, G. (2025). Virtual sensing of wind turbine loads with multi-hidden markov models for above-rated wind speeds. <i>WIND ENERGY</i> , 28 (12).	https://doi.org/10.1002/we.70071	1
[Haxhibeqiri2025] J. Haxhibeqiri, P. Avila-Campos, T. Havinga, I. Moerman, J. Hoebeke. Distributed Multi-link Operation (MLO) for Frame Replication in Wireless Time-Sensitive Networking. in The 8th International Conference on Advanced Communication Technologies and Networking, Rabat, Morocco, December 3-5, 2025		2
[Hazra2025] R. Hazra, G. Venturato, P. Zuidberg Dos Martires, L. De Raedt, "Have Large Language Models Learned to Reason? A Characterization via 3-SAT", Second Conference on Language Modeling (COLM 2025); 2025		1

[Heidari2025] Heidari, J., Kayedpour, N., Vandeveld, L., & Crevecœur, G. (2025). Estimating tower vibrations with data-driven models : possibility of optimizing control actions to reduce loads on wind turbine. WESC 2025 : Wind Energy Science Conference, Proceedings. Presented at the Wind Energy Science Conference 2025 (WESC		1
[Heidari2025a] Heidari, A., Werthen-Brabants, L., Rojas Gonzalez, S., Couckuyt, I., Gülenç, O. C., Van Gils, P., & Jojic, I. (2025). Towards trustworthy surrogate models for augmenting certification : fuel tank flammability reduction system. JOURNAL OF AEROSPACE INFORMATION SYSTEMS	https://doi.org/10.2514/1.1011552	1
[Heidari2025b] Heidari, Arash, Jixiang Qing, Sebastian Rojas Gonzalez, Juergen Branke, Tom Dhaene, and Ivo Couckuyt. 2025. "Knee Detection in Bayesian Multiobjective Optimization Using Thompson Sampling." IEEE TRANSACTIONS ON EVOLUTIONARY COMPUTATION 29 (5): 1903–12. .	https://doi.org/10.1109/TEVC.2024.3455420	1
[Jain2025] Ishika Jain, Siri Willems, Tom De Schepper. On-the-Fly Data Augmentation for Brain Tumor Segmentation. 28th international conference on medical image computing and computer aided interventions (MICCAI 2025) 23-27 September, 2025	https://doi:10.48550/arXiv.2509.24973	2
[Hendrickx 2025] Hendrickx, L., Coleman, S., Goedemé, T., HW-aware Neural Architecture Search Using Genetic Optimisation: In-Memory Compute vs NPU, ICECET 2025.		2
[Karahani2025] Karahan, S. M., Vandenbruwaene, W., Alferes Castano, J., Van Bauwel, F., Van Loo, M., & Verwaeren, J. (2025). Towards smart water monitoring : IoT-driven LSTM modelling for multi-step-ahead forecasting of river salinity dynamics. JOURNAL OF ENVIRONMENTAL MANAGEMENT, 394.	http://hdl.handle.net/1854/LU-01K7E9HB8FN1KK13ZH6HZMX4EB	1
[Ibragimova2025] Ibragimova, Regina, et al. "Enhancing Drug-Target Interaction Prediction through Transfer Learning from Activity Cliff Prediction Tasks." JOURNAL OF CHEMICAL INFORMATION AND MODELING, vol. 65, no. 13, 2025, pp. 6558–67	http://hdl.handle.net/1854/LU-01JJ6KXH9180QNHSN2BVYMI4T	1
[Heremans2025] Heremans, E., van den Bulcke, L., Seedat, N., Devulder, A., Borzee, P., Buyse, B., Testelmans, D., van den Bossche, M., van Der Schaar, M., De Vos, M. (2025). Automated remote sleep monitoring needs uncertainty quantification. In Journal Of Sleep Research (Vol. 34, Number 1). https://doi.org/10.1111/jsr.14300		1

[Hou 2025] Hou, Yuanbo, Qiaoqiao Ren, Wenwu Wang, and Dick Botteldooren. "Sound-Based Recognition of Touch Gestures and Emotions for Enhanced Human-Robot Interaction." In <i>ICASSP 2025-2025 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)</i> , pp. 1-5. IEEE, 2025.	https://doi.org/10.1109/ICASSP49660.2025.10890031	2
[Risi2025a] Nicoletta Risi, Gabriel Guimarães Carvalho, Olivier Vasseur, Phil Reiter, Tom De Schepper. "Intelligent underwater perception: current trends and future directions". ADR call on book chapter on Artificial Intelligence, Data and Robotics: Foundations,	/	2
[Huysmans2025] L Huysmans, L Iterbeke, B De Wel, M Opsomer, KG Claeys, F Maes, Automated Classification of Neuromuscular Diseases Using Thigh Muscle MRI With Model Interpretations, <i>Journal of Cachexia, Sarcopenia and Muscle</i> 16 (5), e70102		1
[Ipek2025] Ipek, Nusret, Frank Tuytens, Bernard De Baets, and Jan Verwaeren. 2025. "AniDomNet: A Sequential Pairwise Model for Inferring Dynamic Animal Dominance Hierarchies." <i>METHODS IN ECOLOGY AND EVOLUTION</i> 16 (9): 2145–63. .	https://doi.org/10.1111/2041-210x.70118	1
[Jafari2025] Jafari, Sadegh, Els Lefever, and Veronique Hoste. 2025. "Embedding Analogies for Evaluating Emotion in LLM-Generated Utterances." In <i>Proceedings of the 2025 Workshop on "AI for Understanding Human Behavior in Professional Settings" (BEHAIV)</i> , 1–8.		2
[Jain2025] C. Jain, D. Sherbakov, M. Vinzent, M. Steinmetz, J. Davis, J. Hoffmann, "Policy Safety Testing in Non-Deterministic Planning: Fuzzing, Test Oracles, Fault Analysis," <i>Proceedings of the 28th European Conference on Artificial Intelligence (ECAI)</i> , 2025. Also In <i>Frontiers in Artificial Intelligence and Applications</i> (Vol. 413, pp. 4798 - 4806).	https://doi.org/10.3233/FAIA251388	1
[Janssens2025a] Janssens, R., De Bock, J., Labat, S., Verhelst, E., Hoste, V., & Belpaeme, T. (2025). Why robots are bad at detecting their mistakes : limitations of miscommunication detection in human-robot dialogue. 2025 34th IEEE International Conference on Robot and Human Interactive Communication (RO-MAN), 885–892.	https://doi.org/10.1109/ro-man63969.2025.11217636	2
[Janssens2025b] Janssens, Ruben, Pieter Wolfert, Thomas Demeester, and Tony Belpaeme. 2025. "Integrating Visual Context into Language Models for Situated Social Conversation Starters." <i>IEEE TRANSACTIONS ON AFFECTIVE COMPUTING</i> 16 (1): 223–36.	https://doi.org/10.1109/TAFFC.2024.3428704	1

[Janssens2025c] Janssens, R., Verhelst, E., Abbo, G. A., Ren, Q., Pinto Bernal, M. J., & Belpaeme, T. (2025). Child speech recognition in human-robot interaction : problem solved? In proceedings, SOCIAL ROBOTICS, ICSR + AI 2024, PT II (Vol. 15562, pp. 476–486).	https://doi.org/10.1007/978-981-96-3519-1_43	2
[Janssens2025d] Janssens, Ruben, André Pereira, Gabriel Skantze, Bahar Irfan, and Tony Belpaeme. 2025. "Online Prediction of User Enjoyment in Human-Robot Dialogue with LLMs." In 2025 20TH ACM/IEEE INTERNATIONAL CONFERENCE ON HUMAN-ROBOT INTERACTION, HRI, 1363–67. IEEE..	https://doi.org/10.1109/HRI61500.2025.10973944	2
[Jonkers2025] Jonkers, Jef, Luc Duchateau, Glenn Van Wallendaal, and Sofie Van Hoecke. 2025. "Landmarker : A Toolkit for Anatomical Landmark Localization in 2D/3D Images." SOFTWAREX 30.	https://doi.org/10.1016/j.softx.2025.102165	1
[Jürgens2025] Jürgens, Mira Kristin, Thomas Mortier, Eyke Hüllermeier, Viktor Bengs, and Willem Waegeman. 2025. "A Calibration Test for Evaluating Set-Based Epistemic Uncertainty Representations." MACHINE LEARNING 114 (9).	https://doi.org/10.1007/s10994-025-06844-8	1
[Karabulut2025] Karabulut, B., Manna, C., & Develder, C. (2025). Generalization of Graph Neural Network Models for Distribution Grid Fault Detection. 2025 IEEE International Conference on Communications, Control, and Computing Technologies for Smart Grids (SmartGridComm), 1–7.	https://doi.org/10.1109/smartgridcomm65349.2025.11204594	2
[KarimiMadahi2025a] S.S. Karimi Madahi, F. Pavirani, B. Claessens and C. Develder, "System-aware reinforcement learning for optimized implicit imbalance participation in Belgium", in Proc. 21st Int. Conf. European Energy Market (EEM 2025), Lisbon, Portugal, 27-29 May 2025, pp. 1-6.	https://doi.org/10.1109/EEM64765.2025.11050202	2
[KarimiMadahi2025b] S.S. Karami Madahi, G. Gabriele, B. Claessens and C. Develder, "Scalable attention-based reinforcement learning method for multi-asset control", in Proc. Workshop Comput. Optim. Buildings (CO-BUILD) at ICML 2025, Vancouver, Cananada, 18 Jul. 2025, pp. 1-8.	https://openreview.net/attachment?id=3h0vIHt73L&name=pdf	2
[Katare2025] Katare, Dewant, Sam Leroux, Marijn Janssen, and Aaron Yi Ding. 2025. "Approximating Vision Transformers for Edge : Variational Inference and Mixed-Precision for Multi-Modal Data." COMPUTING 107 (3).	https://doi.org/10.1007/s00607-025-01427-w	2

[Ke 2025] Ke Y, Pujol V, Staut J, Pollaris L, Seurinck R, Eekhout T, Grones C, Saura-Sanchez M, Van Bel M, Vuylsteke M, Ariani A, Liseron-Monfils C, Vandepoele K, Saeys Y*, De Rybel B*. (2025) A single-cell and spatial wheat root atlas with cross-species annotations delineates conserved tissue-specific marker genes and regulators. Cell Rep. 2025 Feb 25;44(2):115240	https://doi.org/10.1016/j.celrep.2025.115240	1
[Kempen2025] Kempen, B., Klein, S., De Sloovere, V., De Vos, M., Depreitere, B. (2025). Development of an Active Cerebrovascular Autoregulation Model Using Representation Learning: A Proof of Concept Study With Experimental Data.. In Neurosurgery (Vol. 97, Number 2).	https://doi.org/10.1227/neu.0000000000003321	1
[Keuninckx2025] Lars Keuninckx, Matthias Hartmann, Paul Detterer, Ali Safa, Wout Mommen, Ilja Ocket. "On Training Networks of Monostable Multivibrator Timer Neurons". Neural networks, Vol 194, 2025.	https://www.sciencedirect.com/science/article/abs/pii/S0893608025009724 ;	2
[Khan2025] Khan, H., Woodruff, H. C., Giraldo, D. L., Werthen-Brabants, L., Mali, S. A., Amirrajab, S., Brouwer, D., Popescu, V., Wijmeersch, V., Gerlach, O., Sijbers, J., Peeters, L. M., & Lambin, P. (2025). Leveraging hand-crafted radiomics on multicenter FLAIR MRI for predicting disability worsening in people with multiple sclerosis. Frontiers in Neuroscience, 19, 1–16.	https://doi.org/10.3389/FNINS.2025.1610401 ;	1
[Kikaj2025] A. Kikaj, G. Marra, F. Geerts, R. Manhaeve, L. De Raedt, "DeepGraphLog for Layered Neurosymbolic AI", 28th European Conference on Artificial Intelligence; 2025; Vol. 413; pp. 1551 - 1558, 2025		1
[Kok2025] Kok, Thomas, John Morales, Dirk Deschrijver, Dolores Blanco-Almazan, Willemijn Groenendaal, David Ruttens, Christophe Smeets, Vojkan Mihajlovic, Femke Ongenae, and Sofie Van Hoecke. 2025. "Interpretable Machine Learning Models for COPD Ease of Breathing Estimation." MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING 63 (5): 1481–95.	https://doi.org/10.1007/s11517-025-03285-2 .	1
[Kordjamshidi2025] Parisa Kordjamshidi, Marie-Francine Moens & James Pustejovsky, Spatial Language Understanding: Representation, Reasoning, and Grounding (Synthesis Lectures on Human Language Technologies		1
[Koulischer 2025a] Koulischer, F., Deleu, J., Raya, G., Demeester, T., Ambrogioni, L. (2025) Dynamic negative guidance of diffusion models. The Thirteenth International Conference on Learning Representations	https://openreview.net/forum?id=6p74UyAdLa	2

[Koulischer 2025b] Koulischer, F., Handke, F., Deleu, J., Demeester, T., Ambrogioni, L. (2025) Feedback guidance of diffusion models. Advances in Neural Information Processing (NeurIPS 2025).	https://openreview.net/forum?id=8ySOcf7UpM	2
[Li2025] Li, X., Nadisic, N., Huang, S., Deligiannis, N., & Pižurica, A. (2025). Scalable Context-Preserving Model-Aware Deep Clustering for Hyperspectral Images. Remote Sensing, 17(24), 4030.	https://doi.org/10.3390/rs17244030	2
[Li2025b] Li, M., Ning, M., Moens, M. (2025). Consistent Story Generation: Unlocking the Potential of Zigzag Sampling. In Proceedings of the 39th Conference on Neural Information Processing Systems (NeurIPS 2025).		1
[LiNan2025a] Li, N., Kang, B., & De Bie, T. (2025). Human-AI Moral Judgment Congruence on Real-World Scenarios: A Cross-Lingual Analysis. Proceedings of the 9th Widening NLP Workshop, 46–49.	https://doi.org/10.18653/v1/2025.winlp-main.10	
[LiNan2025b] Li, N., Kang, B., & De Bie, T. (2025). Content-Agnostic Moderation for Stance-Neutral Recommendations. Proceedings of the 34th ACM International Conference on Information and Knowledge Management, 1613–1623.	https://doi.org/10.1145/3746252.3761111	1
[LiNan2025c] Li, N., Kang, B., & De Bie, T. (2025). Building Data-Driven Occupation Taxonomies: A Bottom-Up Multi-Stage Approach via Semantic Clustering and Multi-Agent Collaboration. Proceedings of the 2025 Conference on Empirical Methods in Natural Language Processing: Industry Track, 1596–1614.	https://doi.org/10.18653/v1/2025.emnlp-industry.113	1
[LiNan2025d] Li, N., Kang, B., & De Bie, T. (2025). LLM4Jobs : unsupervised occupation extraction and standardization leveraging large language models. KNOWLEDGE-BASED SYSTEMS, 316.	https://doi.org/10.1016/j.knosys.2025.113302	1
[Lindemans2025] Lindemans, Yens, Thijs Ullrick, Ivo Couckuyt, Dirk Deschrijver, and Tom Dhaene. 2025. “Bayesian Optimization of Microwave Filters : A Physics-Informed Approach Using the Szegő Kernel.” In 2025 IEEE 29TH WORKSHOP ON SIGNAL AND POWER INTEGRITY, SPI, 1–4. IEEE.	https://doi.org/10.1109/spi64682.2025.11014366	1
[Lippeveld2025] Lippeveld, Maxim, Daniel Peralta, Assaf Vardi, Flora Vincent, and Yvan Saeys. 2025. “Morphological Profiling of Imaging Flow Cytometry Data Uncovers Heterogeneity in Infected Gephyrocapsa Huxleyi Cultures.” Cyto. Part A 107 (7): 438–49. .	https://doi.org/10.1002/cyto.a.24944	1

[Liu2025] Kui Liu, Bart Goossens, Tom De Schepper, Wilfried Philips. "Improving Post-Training Quantization via Probabilistic Programming". IEEE Transactions on Circuits and Systems for Video Technology, 2025.	https://ieeexplore.ieee.org/document/11080033	2
[Liu2025] Liu, E., J. Zhu, Z. Lin, X. Ning, S. Wang, M. B. Blaschko, S. Yekhanin, S. Yan, G. Dai, H. Yang, Y. Wang: Linear Combination of Saved Checkpoints Makes Consistency and Diffusion Models Better. International Conference on Learning Representations (ICLR), 2025.		1
[Liu2025a] Liu, G., Boom, B., Slob, N., Durodié, Y., Nowe, A., & Vanderborght, B. (2025). Automated Behavior Planning for Fruit Tree Pruning via Redundant Robot Manipulators: Addressing the Behavior Planning Challenge. IEEE Robotics & Automation Magazine, 2-12.	https://doi.org/10.1109/MRA.2025.3559797	2
[Liu2025b] Liu, Q., Wei, J., Penzel, T., De Vos, M., Zhang, Y., Huang, Z., Poluektov, M., Zhu, Y., Li, C. (2025). ActiveSleepLearner: Less Annotation Budget for Better Large-Scale Sleep Staging. In IEEE Transactions on Emerging Topics in Computational Intelligence (Vol. 9, Number 2, pp. 1756 - 1765).	https://doi.org/10.1109/TETCI.2024.3446389	1
[Mortier2025] Mortier, Thomas, Cas Decancq, Yusuf Sale, Alireza Javanmardi, Willem Waegeman, Eyke Hüllermeier, and Diego Miralles. 2025. "Valid Prediction Intervals for Weather Forecasting with Conformal Prediction." Copernicus GmbH.	http://hdl.handle.net/1854/LU-01K35MV83R1FQDHTR6JNW70DA5	1
[LiX2025] Li, X., Nadisic, N., Huang, S., & Pizurica, A. (2025). Generalized category discovery in hyperspectral images via prototype subspace modeling. EUVIP 2025 : 13th European Workshop on Visual Information Processing. Presented at the 13th European Workshop on Visual Information Processing, Valetta, Malta.		1
[LoorRomero2025] Loor Romero, Marcelo Eduardo, Ana Tapia-Rosero, and Guy De Tré. 2025. "Handling Generalization in Contextualized Support Vector Machine Knowledge Models." In 2025 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE). IEEE.		1
[Nathan2025] Nathan, Solal, Guillaume Bied, Elia Pérennès, Philippe Caillou, Bruno Crépon, Christophe Gaillac, and Michèle Sebag. 2025. "JoLA : Job Landscape Aware Job Recommendation." In RecSys-in-HR 2025 : Recommender Systems for Human Resources 2025 : Proceedings of the 5th Workshop on Recommender Systems for Human Resources (RecSys-in-HR 2025). Vol. 4046. CEUR.		1

[Lopez-Gordo2025] Lopez-Gordo, M., Geirnaert, S., Bertrand, A. (2025). Unsupervised Accuracy Estimation for Brain-Computer Interfaces based on Auditory Attention Decoding. In IEEE Transactions On Biomedical Engineering (Vol. 72, Number 8, pp. 2388 - 2399).	https://doi.org/10.1109/TBME.2025.3542253	1
[Lotfi2025] Lotfi, E., Banari, N., Yuzbashyan, N., & Daelemans, W. Bilingual BSARD: Extending Statutory Article Retrieval to Dutch. Proceedings of the Regulatory Natural Language Processing Workshop, co-located with COLING 2025.	https://arxiv.org/abs/2412.07462	2
[Maene2025a] Jaron Maene, Vincent Derkinderen, Pedro Zuidberg Dos Martires: KLAY: Accelerating Arithmetic Circuits for Neurosymbolic AI. ICLR 2025		1
[Maene2025b] Jaron Maene, Luc De Raedt: The Gradient of Algebraic Model Counting. AAAI 2025: 19367-19377		1
[Manginas2025] Nick Manginas, Georges Paliouras, Luc De Raedt. NeSyA: Neurosymbolic Automata. IJCAI 2025 in		1
[Marconato2025] Marconato, Luca, Giovanni Palla, Kevin A. Yamauchi, Isaac Virshup, Elyas Heidari, Tim Treis, Wouter-Michiel Vierdag, et al. 2024. "SpatialData : An Open and Universal Data Framework for Spatial Omics." NATURE METHODS.	https://doi.org/10.1038/s41592-024-02212-x	1
[Marra2025] Marra, Giuseppe, Michelangelo Diligenti, and Francesco Giannini. "Relational reasoning networks." Knowledge-Based Systems 310 (2025).	https://doi.org/10.1016/j.knosys.2024.112822	1
[Martens2025] Martens, D., Hinns, J., Dams, C., Vergouwen, M., & Evgeniou, T. (2025). Tell me a story! Narrative-driven XAI with Large Language Models. DECISION SUPPORT SYSTEMS, 191.	https://doi.org/10.1016/j.dss.2025.114402	2
[MaW2025] Ma, Wenwen, Shanxing Ma, Pieter Meiresone, Gianni Allebosch, Wilfried Philips, and Jan Aelterman. 2025. "Event-Based Video Reconstruction via Attention-Based Recurrent Network." NEUROCOMPUTING 632.	https://doi.org/10.1016/j.neucom.2025.129776	2
[Mehdizadeh2025] Mehdizadeh Gavvani, B., Van Hauwermeiren, T., Farnam, A., Ghorbani, M., De Koning, J., & Crevecoeur, G. (2025). Real-time trajectory adaptation for tossing robots using soft switching multiple model predictive control. JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS, 111(3).	https://doi.org/10.1007/s10846-025-02297-2	1

[Mehralian2025] Mehralian, P., & Van hamme, H. (2025). Leveraging Geographic Metadata for Dialect-Aware Speech Recognition. In Proceedings of the Annual Conference of the International Speech Communication Association, INTERSPEECH (pp. 1153-1157). doi:10.21437/Interspeech.2025-1839		1
[Meire2025] M. Meire, Q. Van Baelen, T. Ooijsaar, P. Karsmakers, "Constraint guided autoencoders for joint optimization of condition indicator estimation and anomaly detection in machine condition monitoring", Machine Learning; 2025; Vol. 114; iss. 7, 2025		1
[Mey2025] Mey, Friederike, Gaetan De Waele, Wouter Demeester, Chiara Guidi, Dries Duchi, Tomek Diederer, Hanne Kochuyt, Kirsten Van Huffel, Nicola Zamboni, Willem Waegeman, and Marjan De Mey. 2025. "Machine Learning Reveals Novel Compound for the Improved Production of Chitooligosaccharides in Escherichia Coli." NEW BIOTECHNOLOGY 86: 39–46.	doi:10.1016/j.nbt.2025.01.005	1
[Michailidis2025] Michailidis, K., Tsouros, D., Guns, T. (2025). CP-Bench: Evaluating Large Language Models for Constraint Modelling. In 28th European Conference on Artificial Intelligence (ECAI 2025).		1
[Mitchell2025] Mitchell, M., Al-Ali, H., Attanasio, G., Baldini, I., Clinciu, M., Clive, J., Delobelle, P., Dey, M., Dhole, K., Dill, T., Djanibekov, A., Djanibekov, T., Doughman, J., Dutt, R., Zosa Forde, J., Gala, J., Ghosh, A., Hamilton, S., Holtermann, C., Huang, J., Kaffee, L., Kasera, J., Laud, T., Lauscher, A., Luis López, R., Mansurov, J., Masoud, M., Mukherjee, S., Mukhituly, N., Nangia, N., Nie, S., Ovalle, A., Pistilli, G., Ploeger, E., Qin, J., Radev, D., Raheja, V., Savoldi, B., Sharma, S., Shen, X., Stanczak, K., Subramonian, A., Sun, K., Szczechla, E., Timponi Torrent, T., Tunuguntla, D., Villa-Cueva, E., Viridiano, M., van der Wal, O., Yakefu, A., Yin, K., Zhang, M., Zink, S., Névél, A., Talat, Z. (2025). SHADES: Towards a Multilingual Assessment of Stereotypes in Large Language Models. In proceedings of the 2025 Annual Conference of the		1
[Moens2025] Moens, P., Volckaert, B., & Van Hoecke, S. (2025). VisCARS : knowledge graph-based context-aware recommender system for time-series data visualization and monitoring dashboards. IEEE TRANSACTIONS ON VISUALIZATION AND COMPUTER GRAPHICS, 31(9), 4728–4745.	https://doi.org/10.1109/TVCG.2024.3414191	1

[Molinghen2025] Molinghen, Y., Avalos, R., Van Achter, M., Nowé, A., & Lenaerts, T. (2025). Laser Learning Environment: A New Environment for Coordination-Critical Multi-agent Tasks. In F. A. Oliehoek, M. Kok, & S. Verwer (Eds.), Artificial Intelligence and Machine Learning - 35th Benelux Conference, BNAIC/Benelearn 2023, Revised Selected Papers (pp. 135-154). (Communications in Computer and Information Science; Vol. 2187 CCIS). Springer Science and Business Media Deutschland GmbH.	https://doi.org/10.1007/978-3-031-74650-5_8	2
[Montero-Porras2025] Montero-Porras, E., Suchon, R., Lenaerts, T., & Fernández Domingos, E. (2025). From self-interest to collective action: The role of defaults in governing common resources. PLOS ONE, 20(9), Article e0331348.	https://doi.org/10.1371/journal.pone.0331348	2
[Murtas2025] G. Murtas, V. Boeva, E. Tsiporkova. An evidence-based neuro-symbolic framework for ambiguous image scene classification. 19th International Conference on Neurosymbolic Learning and Reasoning.		1
[Musluoglu2025a] Musluoglu, C., Bertrand, A. (2025). Distributed Adaptive Signal Fusion for Fractional Programs. In IEEE Transactions On Signal And Information Processing Over Networks (Vol. 11, pp. 258 - 273).	https://doi.org/10.1109/TSIPN.2025.3546462	1
[Musluoglu2025b] Musluoglu, C., Bertrand, A. (2025). Distributed blind source separation based on FastICA. In IEEE Signal Processing Letters (Vol. 32, pp. 881 - 885).	https://doi.org/10.1109/LSP.2025.3540370	1
[Nakano 2025] Felipe Kenji Nakano, Nathalie Van Aerde, Grégoire Coppens, Ilse Vanhorebeek, Celine Vens, Greet Van den Berghe, Fabian Güiza Grandas, "Development and validation of a machine learning model for early prediction of intensive care unit acquired weakness", Intensive Care Medicine Experimental, Vol 13, article number 98, 2025,	https://doi.org/10.1186/s40635-025-00810-3	1
[Nasfi2025] Nasfi, Rihem, Guy De Tré, and Antoon Bronselaer. 2025. "Improving Data Cleaning by Learning from Unstructured Textual Data." IEEE ACCESS 13: 36470–91.	https://doi.org/10.1109/ACCESS.2025.3543953	1
[Neve2025] Neve, T., Lefebvre, T., & Crevecoeur, G. (2025). Fast nonlinear model predictive control combining online trajectory optimization and value function regression. OPTIMAL CONTROL APPLICATIONS & METHODS, 46(2), 709–725.	https://doi.org/10.1002/oca.3225	1

[Neve2025b] Neve, T., Lefebvre, T., & Crevecoeur, G. (2025). Nonlinear model predictive control with value function regression : a tessellation-based sampling approach. <i>OPTIMAL CONTROL APPLICATIONS & METHODS</i> .	https://doi.org/10.1002/oca.70057	1
[Nguyen2025b] Nguyen, H., Zhou, H., Blaschko, M., Tiulpin, A. (2025). Bayesian Optimization over Bounded Domains with the Beta Product Kernel. In The 41st Conference on Uncertainty in Artificial Intelligence.		1
[Nuyts2025a] L. Nuyts, J. Davis, "The When and How of Target Variable Transformations", <i>Advances in Intelligent Data Analysis XXIII</i> ; 2025; Vol. 15669; pp. 113 - 126, 2025		1
[Nuyts2025b] L. Nuyts, L. Perini, J. Davis, "TSelect: Selecting Relevant and Non-redundant Channels for Multivariate Time Series Classification", <i>Data Mining and Knowledge Discovery</i> , vol. 39, no. 76 , 2025		1
[Olthof2025] S. Olthof, J. Davis, "Perspectives on Data Analytics for Gaining a Competitive Advantage in Football: Computational Approaches to Tactics", <i>Science and</i>		1
[Osei2025] Osei Tutu, D., Habibiabad, S., Van den Noortgate, W., Saldien, J., & Bombeke, K. (2025). When action speaks louder than words : exploring non-verbal and paraverbal features in dyadic collaborative VR. <i>SENSORS</i> , 25(17)	https://doi.org/10.3390/s25175498	2
[Parciak2025a] Parciak, Marcel; Vandevoort, Brecht; Neven, Frank; Peeters, Liesbet M. ; Vansummeren, Stijn. "LLM-Matcher: A Name-Based Schema Matching Tool using Large Language Models." <i>ACM SIGMOD</i> , 2025.	https://doi-org.bib-proxy.uhasselt.be/10.1145/3722212.3725112	2
[Parciak2025b] Parciak, Marcel; Weytjens, Sebastiaan; Hens, Niel; Neven, Frank; Peeters, Liesbet M; Vansummeren, Stijn. "Measuring approximate functional dependencies: a comparative study". <i>VLDB J.</i> 34(4): 56, 2025	https://doi.org/10.1007/s00778-025-00931-x	1
[Perez2025] Perez, M., Romero, R., Kang, B., De Bie, T., Lijffijt, J., & Laclau, C. (2025). SimHawNet : a modified Hawkes process for temporal network simulation. <i>DATA MINING AND KNOWLEDGE DISCOVERY</i> , 39(5).	https://doi.org/10.1007/s10618-025-01119-1	1

[Perneel2025a] Perneel, M., Adriaens, I., Aernouts, B., & Verwaeren, J. (2025). Consistent multi-animal pose estimation in cattle using dynamic Kalman filter based tracking. SMART AGRICULTURAL TECHNOLOGY, 11.	https://doi.org/10.1016/j.atech.2025.101014	1
[Perneel2025b] Perneel, Maarten, Ines Adriaens, Jan Verwaeren, and Ben Aernouts. 2025. "Dynamic Multi-Behaviour, Orientation-Invariant Re-Identification of Holstein-Friesian Cattle." SENSORS 25 (10)..	https://doi.org/10.3390/s25102971	1
[Pirmani2025] Pirmani A, De Brouwer E, Arany Á, Oldenhof M, Passemiers A, Faes A, Kalincik T, Ozakbas S, Gouider R, Willekens B, Horakova D, Havrdova EK, Patti F, Prat A, Lugaresi A, Tomassini V, Grammond P, Cartechini E, Roos I, Boz C, Alroughani R, Amato MP, Buzzard K, Lechner-Scott J, Guimarães J, Solaro C, Gerlach O, Soysal A, Kuhle J, Sanchez-Menoyo JL, Spitaleri D, Csepany T, Van Wijmeersch B, Ampapa R, Prevost J, Khoury SJ, Van Pesch V, John N, Maimone D, Weinstock-Guttman B, Laureys G, McCombe P, Blanco Y, Altintas A, Al-Asmi A, Garber J, Van der Walt A, Butzkueven H, de Gans K, Rozsa C, Taylor B, Al-Harbi T, Sas A, Rajda C, Gray O, Decoo D, Carroll WM, Kermode AG, Fabis-Pedrini M, Mason D, Perez-Sempere A, Simu M, Shuey N, Singhal B, Cauchi M, Hardy TA, Ramanathan S, Lalive P, Sirbu CA, Hughes S, Castillo Trivino T, Peeters LM, Moreau Y. Personalized federated learning for predicting disability progression in multiple sclerosis using real-world routine clinical data. NPJ Digit Med. 2025 Jul 24;8(1):478. doi: 10.1038/s41746-025-01788-8. PMID: 40707601; PMCID: PMC12289948.	https://doi.org/10.1038/s41746-025-01788-8	1
[Romero2025c] Romero, R., Daems, R., & De Bie, T. (2025). Temporal graph AutoEncoder : mapping dynamic graphs to dynamical systems with Neural ODEs. NPGML Workshop, Part of NeurIPS2025, the 39th Conference on Neural Information Processing Systems, Proceedings. Presented at the NPGML Workshop, San Diego, USA.		1
[Romero2025d] Romero, R., De Bie, T., Heard, N., & Modell, A. (2025). Multiresolution analysis and statistical thresholding on dynamic networks. Advances in Neural Information Processing Systems 38 (NeurIPS 2025), 38.		1
[Popelier2025] Popelier, Bram, Ide Van den Borre, Simon DeKeyser, Vicky De Ridder, and Aleksandra Pizurica. 2025. "Evaluating Denoising Diffusion Probabilistic Models for PET Denoising: A Critical Analysis in a Limited Data Regime." 13th European Workshop on Visual Information		1

[Rakhshaninejad2025] Rakhshaninejad, Morteza, Mira Kristin Jürgens, Nicolas Dewolf, and Willem Waegeman. 2025. "Conformal Prediction for Uncertainty Estimation in Drug-Target Interaction Prediction."	http://hdl.handle.net/1854/LU-01KJ7J9HFWYV78CK26ZBWVG88X	1
[Qi2025] Qi, J., Van hamme, H. (2025). A Study on Model Training Strategies for Speaker-Independent and Vocabulary-Mismatched Dysarthric Speech Recognition. In Applied Sciences-Basel (Vol. 15, Number 4).	https://doi.org/10.3390/app15042006	1
[Qu2025] Qu, T., Tuytelaars, T., Moens, M. (2025). Introducing Routing Functions to Vision-Language Parameter-Efficient Fine-Tuning with Low-Rank Bottlenecks. In Lecture Notes in Computer Science (Vol. 15146, pp. 291 - 308).	https://doi.org/10.1007/978-3-031-73223-2_17	1
[Quaghebeur2025] Quaghebeur, W., Torfs, E., Khalil, M., Nopens, I., & De Baets, B. (2025). Uncovering unknown dynamics in water resource recovery facilities with neural differential equations and Shapley value analysis. JOURNAL OF WATER PROCESS ENGINEERING, 70.	https://doi.org/10.1016/j.jwpe.2024.106856	1
[Quentin2025] Hervé, Quentin, et al. "A Deep Learning Approach to Perform Defect Classification of Freeze-Dried Product." INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol. 670, 2025,	doi:10.1016/j.ijpharm.2024.125127.	1
[Rabaey 2025] Rabaey, P., Heytens, S., & Demeester, T. (2025) SimSUM - simulated benchmark with structured and unstructured medical records. Journal of Biomedical Semantics. 16 (20).	https://link.springer.com/article/10.1186/s13326-025-00341-6	2
[Radevski2025] Radevski, G., Popordanoska, T., Blaschko, M., Tuytelaars, T. (2025). DAVE: Diagnostic benchmark for Audio Visual Evaluation. In The Thirty-ninth Annual Conference on Neural Information Processing Systems - Datasets and Benchmarks Track.	https://doi.org/10.48550/arXiv.2503.09321	1
[Ramachandra2025] Ramachandra, Sandeep, Vic Degraeve, Gilles Vandewiele, Bram Steenwinckel, Sofie Van Hoecke, and Femke Ongenaë. 2025. "RR-GCN : Exploring Untrained Random Embeddings for Relational Graphs." INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING AND KNOWLEDGE ENGINEERING.	https://doi.org/10.1142/S0218194025500184	1
[Ravaglia2025] Leonardo Ravaglia, Roberto Longo, Kaili Wang, David Van Hamme, Julie Moeyersoms, Ben Stoffelen, Tom De Schepper. "RGB to Infrared translation using Ensemble Learning applied to driving scenarios". Mdpj Journal of Imaging, 11(7), 206, 2025	https://doi.org/10.3390/jimaging11070206	2

[Rinaldi2025] Rinaldi, G., Theodorakos, K., Crema Garcia, F., Agudelo Manozca, M., De Moor, B. (2025). DSS4EX: A Decision Support System Framework to Explore Artificial Intelligence Pipelines with an Application in Time Series Forecasting. In Expert Systems With Applications (Vol. 269).	https://doi.org/10.1016/j.eswa.2025.126421	1
[Rombouts2025] W. Rombouts, Q. Van Baelen, P. Karsmakers, "Constraint-Guided PINNs: A Constrained Optimization Approach", CEUR Workshop Proceedings; 2025; Vol. 4125; pp. 124 - 130, 2025		1
[Romero2025a] Romero, R., Mitchell, L., Verbruggen, F., Lens, L., & Lijffijt, J. (2025). Characterizing bird movement using spectral clustering. Proceedings of AALTD2025 : 10th Workshop on Advanced Analytics and Learning on Temporal Data. Presented at the AALTD2025,		1
[Romero2025b] Romero, Raphaël, Yoosof Mashayekhi, F Lai, M Van Roy, Tijl De Bie, and J Davis. 2025. "Next-Event Prediction in Soccer: Assessing the Impact of Team and Player Information." In MLSA2025, the 12th Workshop on Machine Learning and Data Mining for Sports Analytics.		1
[Ropke2025a] Röpke, W., Avalos, R., Radulescu, R., Nowe, A., Roijers, D. M., & Delgrange, F. (2025). Integrating RL and Planning through Optimal Transport World Models. Paper presented at Adaptive and Learning Agents Workshop at AAMAS 2025, Detroit, Michigan, United States.	https://ala-workshop.github.io/papers/ALA2025_paper_39.pdf	2
[Ropke2025b] Röpke, W., Reymond, M., Mannion, P., Roijers, D. M., Nowe, A., & Radulescu, R. (2025). Divide and conquer: Provably unveiling the pareto front with multi-objective reinforcement learning. In Y. Vorobeychik, S. Das, & A. Nowe (Eds.), Proceedings of the 24th International Conference on Autonomous Agents and Multiagent Systems, AAMAS 2025 (pp. 1774-1783). (Proceedings of the International Joint Conference on Autonomous Agents and Multiagent Systems, AAMAS). International Foundation for Autonomous Agents and Multiagent Systems (IFAAMAS).	https://dl.acm.org/doi/10.5555/3709347.3743813	2
[Rosseel2025] Rosseel, H., van Waterschoot, T. (2025). A state-of-the-art review on acoustic preservation of historical worship auralization. In Signal Processing (Vol. 234).	https://doi.org/10.1016/j.sigpro.2025.109992	1

[Rousseau2025] Axel-Jan Rousseau, Thijs Becker, Simon Appeltans, Matthew Blaschko, and Dirk Valkenburg: Post hoc calibration of medical segmentation models. Discover Applied Sciences 7, 180, 2025.		1
[Rustom2025] E. Rustom, H. Cabral, S. Rajendran, and E. Tsiporkova. ShadowScout: Robust Unsupervised Shadow Detection for RGB Imagery. 20th International Conference on Computer Vision Theory and Applications (VISAPP 2025). 2025.		1
[Sammani2025] Sammani, F., & Deligiannis, N. (2025). Zero-Shot Natural Language Explanations. In The Thirteenth International Conference on Learning Representations (ICLR 2025) (pp. 1). (13th International Conference on Learning Representations, ICLR 2025). VUB. x	https://doi.org/10.1007/978-3-031-74643-7_16	2
[Sang-Aram 2025] Sang-Aram C, Browaeys R, Seurinck R, Saey Y. (2025) Unraveling cell-cell communication with NicheNet by inferring active ligands from transcriptomics data. Nat Protoc. 2025 Mar 4	https://doi.org/10.1038/s41596-024-01121-9	1
[Sansone2025] E. Sansone, R. Manhaeve, "Unifying Self-Supervised Clustering and Energy-Based Models", Transactions on Machine Learning Research; 2025		1
[SatyaMurthy2025] Satya Murthy, N., Catthoor, F., Verhelst, M., Vrancx, P. (2025). Quantized Dynamics Models for Hardware-Efficient Control and Planning in Model-Based RL. In Machine Learning and Principles and Practice of Knowledge Discovery in Databases (Vol. 2137, pp. 196 - 209).	https://doi.org/10.1007/978-3-031-74643-7_16	2
[Scabini2025] Scabini, L., Sacilotti, A., Zielinski, K. M., Ribas, L. C., De Baets, B., & Martinez Bruno, O. (2025). A comparative survey of vision transformers for feature extraction in texture analysis. JOURNAL OF IMAGING, 11(9).	https://doi.org/10.3390/jimaging11090304	1
[Schepers2025] Schepers, M., Robberechts, P., Van Haaren, J., Davis, J. (2025). What Makes a Dribble Successful? Insights From 3D Pose Tracking Data. In Proceedings of the 12th Workshop on Machine Learning		1
[Schmid2025] Schmid, N., Fernandes del Pozo, D., Waegeman, W., & Hasenauer, J. (2025). Assessment of uncertainty quantification in universal differential equations. PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES, 383(2293), 1–14.	https://doi.org/10.1098/rsta.2024.0444	1

[Shah2025] Shah, A., Abels, A., Nowé, A., & Lenaerts, T. (2025). Artificial Delegates Resolve Fairness Issues in Perpetual Voting with Partial Turnout. In Proceedings of the ACM Collective Intelligence Conference (pp. 71–82). (CI '25). Association for Computing Machinery.	https://doi.org/10.1145/3715928.3737482	2
[Shang2025] M. Shang, C. De Bleecker, J. Vanrenterghem, R. De Ridder, S. Verschueren, C. Varon, W. De Raedt and B. Vanrumste, "A Seq-to-Seq Temporal Convolutional Network for Volleyball Jump Monitoring Using a Waist-Mounted IMU," in IEEE Access, vol. 13, pp. 42986-42996, 2025, doi: 10.1109/ACCESS.2025.3545560		1
[Shi2025a] Man Shi, Chao Fang, Weijie Jiang, Vikram Jain, Antony Joseph, Wim Dehaene, Marian Verhelst, "A 16NM 550-1320 BTOPS/W NPU Exploiting Training-Free Structured Bit-Level Sparsity and Dynamic Dataflow Processing," 2025 Symposium on VLSI Technology and Circuits (VLSI Technology and Circuits), Kyoto, Japan, 2025, pp. 1-3, doi:		2
[Shi2025b] Shi, M., Jain, V., Jiang, W., Fang, C., Joseph, A., Dehaene, W., & Verhelst, M. (2025). SparseCol: A 1320 BTOPS/W Precision-Scalable NPU Exploiting Training-Free Structured Bit-Level Sparsity and Dynamic Dataflow. In IEEE Journal Of Solid-State Circuits. Institute of Electrical and Electronics Engineers.		2
[Smets2025a] Laura Smets, Dmitri Rachkovskij, Evgeny Osipov, Werner Van Leekwijck, Olexander Volkov, Steven Latre. "Margin-Based Training of HDC Classifiers". In Big Data and Cognitive Computing, vol 9 (3), 2025	https://www.diva-portal.org/smash/get/diva2:1950318/FULLTEXT01.pdf	2
[Smets2025b] L. Smets, D. Rachkovskij, E. Osipov, O. Volkov, W. Van Leekwijck & S. Latré . "Classification Performance of Confidence-Driven Centroids". In Cybernetics and Systems Analysis, vol 61, p289-304, 2025. https://doi.org/10.1007/S10559-025-00768-W	https://doi.org/10.1007/S10559-025-00768-W	2
[Smets2025c] Laura Smets, Werner Van Leekwijck, Steven Latre, Jose Oramas, "Explaining and interpreting hyperdimensional computing classifiers on tabular data", NeuroComputing, vol 657, 2025.	https://www.sciencedirect.com/science/article/pii/S092523122502315X	2
[Sofi2025] Sofi S. S., Vermeylen C., De Lathauwer L., "Tensor train quantum state tomography using compressed sensing", Tech. Report 25-75, ESAT-STADIUS, KU Leuven (Leuven, Belgium), 2025. Accepted for publication in 2025 33rd European Signal Processing Conference (EUSIPCO 2025), Palermo, Italy, 2025.		1

[Sorensen2025] Sorensen M., Hendriks S., De Lathauwer L., "Multilinear singular value decomposition based completion with fibers observed in a single mode", SIAM Journal on Matrix Analysis and Applications, vol. 46, no. 2,		1
[Steckelmacher2025] Steckelmacher, D., & Bogaerts, B. (2025). Definition of AI. In The European Artificial Intelligence Act: Promises and Perils? (pp. 81-103). (Law, Governance and Technology Series (LGTS); Vol. 78). Springer Nature.	https://doi.org/10.1007/978-3-031-98406-8	2
[Steenwinckel2025] Steenwinckel, Bram, Sofie Van Hoecke, and Femke Ongenaes. 2025. "Another Brick in the Wall : Leveraging Feature Extraction and Ensemble Learning for Building Data Classification." In COMPANION PROCEEDINGS OF THE ACM WEB CONFERENCE 2025, WWW COMPANION 2025, 3030–34. ACM (Association Computing Machinery).	https://doi.org/10.1145/3701716.3718480 .	1
[Stegmuller2025] Thomas Stegmüller, Tim Lebailly, Nikola Dukic, Behzad Bozorgtabar, Tinne Tuytelaars, Jean-Philippe Thiran, A Simple Framework for Open-Vocabulary Zero-Shot Segmentation, International Conference on Learning Representations (ICLR) 2025.		1
[SunP2025a] Sun, Pengfei, Jibin Wu, Malu Zhang, Paul Devos, and Dick Botteldooren. 2025. "Delayed Memory Unit: Modeling Temporal Dependency through Delay Gate." IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS 36 (6): 10808–18. .	https://doi.org/10.1109/TNNLS.2024.3490833	2
[SunP2025b] Sun, Pengfei, Jorg De Winne, Malu Zhang, Paul Devos, and Dick Botteldooren. 2025. "Electroencephalography Decoding with Conditional Identification Generator." INTERNATIONAL JOURNAL OF NEURAL SYSTEMS 35 (07).	https://doi.org/10.1142/S0129065725500248 .	2
[SunP2025c] Sun, Pengfei, Jibin Wu, Paul Devos, and Dick Botteldooren. 2025. "Towards Parameter-Free Attentional Spiking Neural Networks." NEURAL NETWORKS 185.	doi:10.1016/j.neunet.2025.107154.	2
[SunP2025d] Sun, Pengfei, Jorg De Winne, Malu Zhang, Paul Devos, and Dick Botteldooren. 2025. "Delayed Knowledge Transfer : Cross-Modal Knowledge Transfer from Delayed Stimulus to EEG for Continuous Attention Detection Based on Spike-Represented EEG Signals." NEURAL NETWORKS 183.	https://doi.org/10.1016/j.neunet.2024.107003	2

[Symons2025] Symons, A., Mei, L., Coleman, S., Houshmand, P., Karl, S., Verhelst, M. (2025). Stream: Design Space Exploration of Layer-fused DNNs on Heterogeneous Dataflow Accelerators. In IEEE Transactions On Computers (Vol. 74, Number 1, pp. 237 -		2
[Szy25] Szymanski, M., Stamper, J., Vanden Abeele, V., & Verbert, K. (2025). Granular Feedback: Leveraging Domain Expertise and Explainable AI to Effectively Steer Models. In Proceedings of the 33rd ACM Conference on User Modeling, Adaptation and Personalization (pp. 94-103).		1
[Taets2025b] Taets, J., Lefebvre, T., Ostyn, F., & Crevecoeur, G. (2025). Energy-based exploration for reinforcement learning of underactuated mechanical systems. <i>IEEE ACCESS</i> , 13, 98847–98859.	https://doi.org/10.1109/access.2025.3576394	1
[Tamantini2025] Tamantini, C., Patrice Langlois, K., De Winter, J., Ali Mohamadi, P. H., Beckwée, D., Swinnen, E., ... & Zollo, L. (2025). Promoting active participation in robot-aided rehabilitation via machine learning and impedance control. <i>Frontiers in digital health</i> , 7, 1559796.		2
[Tang2025] Tang, M., & De Baets, B. (2025). Active metric learning with hybrid information for ordinal classification. <i>NEUROCOMPUTING</i> , 653.	https://doi.org/10.1016/j.neucom.2025.131076	1
[Tang2025] Y. Tang, S. Loukas Vasileiou, V. Derkinderen, W. Yeoh, "Model Reconciliation via Cost-Optimal Explanations in Probabilistic Logic Programming", <i>Advances in Neural Information Processing Systems 39: Annual Conference on Neural Information Processing Systems</i>		1
[Tefera2025] Tefera, Y., Van Baelen, Q., Meire, M., Luca, S., Karsmakers, P. (2025). Constraint-Guided Learning of Data-Driven Health Indicator Models: An Application on Bearings. <i>International Journal of Prognostics and Health Management</i> , 16 (2), Art.No. ARTN 4268.		1
[Teisseyre2025] P. Teisseyre, T. Martens, J. Bekker, J. Davis, "Learning from biased positive-unlabeled data via threshold calibration", <i>Proceedings of the 28th International Conference on Artificial Intelligence and Statistics (AISTATS)</i> , PMLR, Vol 258, pp. 2314-2322, 2025		1
[Vercheval2025] Vercheval, N. and Pizurica, A. (2025). Towards Point Cloud Counterfactual Explanations. 33rd European Signal Processing Conference (EUSIPCO), 8-12, Sept 2025, Palermo, Italy, pp. 1922-1926.DOI: 10.23919/EUSIPCO63237.2025.11226754		

[Verbesselt2025] Verbesselt, Sebastiaan, Rembert Daems, Axel Willekens, and Jonathan Van Beek. 2025. "UAV Based Weed Pressure Detection through Relative Labelling." REMOTE SENSING 17 (20)	https://doi.org/10.3390/rs17203434 .	1
[Terrucha2025] Terrucha, I., Domingos, E. F., Suchon, R., Santos, F. C., Simoens, P., & Lenaerts, T. (2025). Humans program artificial delegates to accurately solve collective-risk dilemmas but lack precision. PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 122(25).	https://doi.org/10.1073/pnas.2319942121	2
[Theodorakos2025] Theodorakos, K., Agudelo Manozca, M., Becker, T., Vanthournout, K., D'hulst, R., De Moor, B. (2025). Explainable representative-days clustering on low-voltage grid meters and feeders, with noise-aware multi-objective Bayesian optimization, applied to grid-congestion events. In Sustainable Energy Grids & Networks (Vol. 41).	https://doi.org/10.1016/j.segan.2025.101622	1
[Theunissen2025] Theunissen, Lauren, Thomas Mortier, Yvan Saeys, and Willem Waegeman. 2025. "Evaluation of Out-of-Distribution Detection Methods for Data Shifts in Single-Cell Transcriptomics." BRIEFINGS IN BIOINFORMATICS 26 (3).	https://doi.org/10.1093/bib/bbaf239 .	1
[Tok2025] Tokcan N., Sofi S. S., Pham V. T., Prévost C., Kharbech S., Magnier B., Nguyen T. P., Zniyed Y., De Lathauwer L., "Tensor decompositions for signal processing: theory, advances, and applications", Signal		1
[Tonin2025] Francesco Tonin, Alex Lambert, Johan AK Suykens, Volkan Cevher, Accelerating Spectral Clustering under Fairness Constraints, ICML 2025.		1
[Tsiporkova2025] E. Tsiporkova, C. Harsha, M. De Vis, and R. Verbeke. "Deriving formal concepts of 3D objects in support of additive manufacturing applications". 2024 International Conference on Industry 4.0 and Smart Manufacturing (ISM 2024).		1
[Tulleners2025] Jaron Tulleners, Dandan Peng, Ludovico Terzi, Wim Desmet, Konstantinos Gryllias, "Towards Interpretable Autoencoders for Anomaly Detection: An Application of Gradient-Based XAI Methods", In Proceedings of ASME Turbo Expo 2025, .	https://doi.org/10.1115/GT2025-154084 .	1

[Ullrick2025] Ullrick, Thijs, Dirk Deschrijver, Domenico Spina, Wim Bogaerts, and Tom Dhaene. 2025. "Wavelength-Tunable Equivalent Circuit Models for SPICE-Based Photonic-Electronic Co-Simulation." JOURNAL OF COMPUTATIONAL ELECTRONICS 25 (1).	https://doi.org/10.1007/s10825-025-02448-6 .	1
[Ullrick2025b] Ullrick, T., Deschrijver, D., Bogaerts, W., & Dhaene, T. (2025). KARMA : kernel-aided rational macromodeling of noisy electrical frequency response data. IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES. (in press)	https://doi.org/10.1109/TMTT.2025.3621537	1
[Vandecasteele2025] Vandecasteele, Mathieu ; Santander, Ricardo ; Iuso, Domenico ; Nourazar, Mohsen ; Philips, Wilfried ; Cornelissen, Sven ; Booth, Brian; 2025; High-speed multimodal actionable porosity prediction for enabling in-process control of selective laser sintering Meas. Sci. Technol. 2025. IOP Publishing. 37		2
[Vandecasteele2025b] Vandecasteele, Mathieu ; searle, Samuel ; Iuso, Domenico ; Nourazar, Mohsen ; Ahar, Ayyoub ; Hamidi Nasab, Milad ; Vrancken, Bey ; Booth, Brian , A high-speed multimodal in-situ monitoring system for detecting porosity and deformation defects in the powder bed fusion of metallic parts, 2025 Euro PM2025 Proceedings. 2025. European Powder Metallurgy		2
[Vandekerckhove2025] Vandekerckhove, Nathan, Ide Van den Borre, Simon De Keyser, Maarten Larmuseau, and Aleksandra Pizurica. 2025. "Abnormality Detection in PET Imaging Using Foundation Models: A Comparative Study and Analysis. 13th European Workshop on Visual		1
[VanderRauwelaert2025] Van der Rauwelaert, J., Bossuyt, C., Verleden, S. E., & Sijbers, J. (2025). SwinIR-based dual-domain reconstruction for sparse-view computed tomography. Journal of Nondestructive Evaluation, 44(3), 1–17. https://doi.org/10.1007/S10921-025-01244-3	https://doi.org/10.1007/S10921-025-01244-3	1
[Vandersmissen2025] Vandersmissen, B., Deckers, L., Oramas, J., "Improving Neural Network Accuracy by Concurrently Training with a Twin Network", International Conference on Learning Representations (ICLR) 2025.	https://openreview.net/forum?id=TEmE9PSC65	2
[VanHeck2025] Van Heck, C., Vandeputte, M., Coene, A., & Crevecoeur, G. (2025). Physics-informed ensembles of dual extended kalman filters for online state and parameter estimation of mechatronic systems. MECHANICAL SYSTEMS AND SIGNAL PROCESSING , 229 .	https://doi.org/10.1016/j.ymssp.2025.112469	1

[Yang2025] Yang, B., Van Aelst, S., & Verdonck, T. (2025). Diverse ensemble cost-sensitive logistic regression. European Journal of Operational Research.	https://doi.org/10.1016/j.ejor.2025.07.028	2
[VanLaer2025a] Van Laer, L., Vandeveld, S., Vennekens, J. (2025). DIRT: a Literature-Based Benchmark Suite for Grounders. In: European Conference on Logics in Artificial Intelligence. Presented at the European Conference on Logics in Artificial Intelligence, Kutaisi, Georgia.	https://doi.org/10.1007/978-3-032-04587-4_21	1
[VanLaer2025b] Van Laer, L., Vandeveld, S., Vennekens, J. (2025). Efficiently grounding FOL using bit vectors. In Logic Programming and Nonmonotonic Reasoning (Vol. 15245, pp. 167 - 173).	https://doi.org/10.1007/978-3-031-74209-5_13	1
[VanNooten2025] Van Nooten, J., & Daelemans, W. Jump to hyperspace: Comparing Euclidean and hyperbolic loss functions for hierarchical multi-label text classification. Proceedings of the 29th International Conference on Computational Linguistics, co-located with COLING 2025.	https://aclanthology.org/2025.coling-main.287/	2
[VanSantvliet2025] Van Santvliet L., Zappone E., Gsell M., Thaler F., Blondeel M., Dymarkowski S., Claessen G., Willems R., Urschler M., Vandenberg B., Plank G., De Vos M., "Integrating anatomy and electrophysiology in the healthy human heart: Insights from biventricular statistical shape analysis using universal coordinates", Computers in Biology and Medicine, Special Issue on building digital twins for personalized cardiovascular medicine, vol. 192, Jun. 2025, pp. 110230-.	https://doi.org/10.1016/j.compbiomed.2025.110230	1
[Vanspringel2025] Vanspringel, S., Cimpean, I. A., Beutels, P., Nowe, A., Hens, N., & Libin, P. (2025). Towards Fairness-Aware Epidemic Mitigation via Multi-Objective Reinforcement Learning. BIAS@ECML 2025 Workshop.		2
[VanWaterschoot2025] Van Waterschoot, T. (2025). Deep, data-driven modeling of room acoustics : literature review and research perspectives. In Proceedings of Forum Acusticum (pp. 4065 - 4072).	https://doi.org/10.61782/fa.2025.0264	1
[VanWesenbeeck2025] Van Wesenbeeck, D., Yurtman, A., Meert, W., Blockeel, H. (2025). Quantitative evaluation of motif sets in time series. In Data Mining And Knowledge Discovery (Vol. 40, Number 1).	https://doi.org/10.1007/s10618-025-01169-5	1

[Venturini2025] Venturini, M., Feremans, L., De Corte, W., Vens, C. (2025). Sequential Rule Analysis of ICU Patient Vital Signals and Alarms. In: Proceedings of ECML PKDD 2025, Lecture Notes in Computer Science: vol. 16021, (55-70). ISBN: 978-3-032-06117-1. doi: 10.1007/978-3-032-		1
[Verhaeghe2025] Verhaeghe, Jarne, Femke Ongenae, and Sofie Van Hoecke. 2025. "Causalteshap : Discerning Predictive from Prognostic Features for Treatment Effect Analysis." INTERNATIONAL JOURNAL OF MACHINE LEARNING AND CYBERNETICS, 7487–7507.	https://doi.org/10.1007/s13042-025-02666-1	1
[VerhelstM2025] Verhelst, M., Benini, L., Verma, N. (2025). How to Keep Pushing ML Accelerator Performance? Know Your Rooflines!. In IEEE Journal Of Solid-State Circuits (Vol. 60, Number 6, pp. 1888 - 1905).	https://doi.org/10.1109/JSSC.2025.3553765	2
[VerhelstE2025a] Verhelst, E., Janssens, R., & Belpaeme, T. (2025). Enabling autonomous and adaptive social robots in education : a vision for the application of generative AI. In G. Lampropoulos & S. Papadakis (Eds.), Social robots in education : how to effectively introduce social robots into classrooms (Vol. 1194, pp. 17–42).	https://doi.org/10.1007/978-3-031-82915-4_2	2
[VerhelstE2025b] Verhelst, Eva, Pieter Lecompte, Ruben Janssens, Vanessa De Wilde, and Tony Belpaeme. 2025. "Automatic Assessment of Speaking Proficiency for Language Practice Robots." In ICSR2025 : International Conference on Social Robotics, Proceedings.		2
[VerhelstE2025c] Verhelst, E., & Belpaeme, T. (2025). Large language models cover for speech recognition mistakes : evaluating conversational AI for second language learners. 2025 20TH ACM/IEEE INTERNATIONAL CONFERENCE ON HUMAN-ROBOT INTERACTION, HRI, 1705–1709.	https://doi.org/10.1109/HRI61500.2025.10974188	2
[Verheyen2025a] Verheyen, L., Botoko Ekila, J., Nevens, J., & Van Eecke, P. et al. (2025). Neuro-symbolic procedural semantics for explainable visual dialogue. PLoS ONE, 20(5 May), Article e0323098.	https://doi.org/10.1371/journal.pone.0323098	2

[Verheyen2025b] Verheyen, L., Doumen, J., Van Eecke, P., & Beuls, K. (2025). You Shall Know a Construction by the Company it Keeps: Computational Construction Grammar with Embeddings. In C. Bonial, M. Torgbi, L. Weissweiler, A. Blodgett, K. Beuls, P. Van Eecke, & H. T. Madabushi (Eds.), Proceedings of the Second International Workshop on Construction Grammars and NLP (pp. 75-83). Association for Computational Linguistics (ACL).	https://aclanthology.org/volumes/2025.cxgslp-1/	2
[Vermeylen2025] Vermeylen C., Vervliet N., De Lathauwer L., "Reducing swamp behavior for the canonical polyadic decomposition problem by rank-1 freezing", Numerical Algorithms, 2025, pp. 1-29.		1
[Vermeylen2025] Vermeylen, C., Vervliet, N., De Lathauwer, L., Van Barel, M. (2025). Exploiting generalized cyclic symmetry to find fast rectangular matrix multiplication algorithms easier. In Mathematics (Vol. 13, Number 19).	https://doi.org/10.3390/math13193064	1
[Zeng2025] Zeng, Haijin, Kai Feng, Xudong Zhao, Jiezhong Cao, Shaoguang Huang, Hiep Luong, and Wilfried Philips. 2025. "Degradation-Noise-Aware Deep Unfolding Transformer for Hyperspectral Image Denoising." IEEE TRANSACTIONS ON GEOSCIENCE		
[Vervlommen2025] Vervlommen, I., Chesterman, X., Verstraeten, T., & Nowé, A. et al. (2025). Scalable SCADA-driven failure prediction for offshore wind turbines using autoencoder-based NBM and fleet-median filtering. Wind Energy Science, 10(11), 2615-2637.	https://doi.org/10.5194/wes-10-2615-2025	2
[Viroux2025] Viroux, S., Lagauw, S., De Moor, B. (2025). Least Squares Realization of Complex-Valued Multiple-Output Autonomous LTI Systems via the Riemannian Singular Value Decomposition. In IEEE Control Systems Magazine (Vol. 9, pp. 2181 - 2186).	https://doi.org/10.1109/LCSYS.2025.3604015	1
[WambaMomo2025] Wamba Momo, L., Scheltjens, V., Verbeke, W., Rademakers, F., De Moor, B. (2025). Understanding Deep Learning Models for Length of Stay Prediction on critically ill patients through Latent space Visualization. In Computer Methods And Programs In Biomedicine (Vol. 268).	https://doi.org/10.1016/j.cmpb.2025.108832	1
[Wang2025a] Wang, P., & Watanabe, S & Van hamme, H. SSVD: Structured SVD for Parameter-Efficient Fine-Tuning and Benchmarking under Domain Shift in ASR. In Proc. IEEE ASRU, Dec 2025		1

[Wang2025a] Wang, W.-C., De Coninck, S., Leroux, S., & Simoens, P. (2025). Embedding-based pair generation for contrastive representation learning in audio-visual surveillance data. FRONTIERS IN ROBOTICS AND AI, 11.	https://doi.org/10.3389/frobt.2024.1490718	2
[Wang2025b] Wang, P., & Van hamme, H. (2025). Disentangled-Transformer: An Explainable End-to-End Automatic Speech Recognition Model with Speech Content-Context Separation. In 6th IEEE International Conference on Image Processing Applications and Systems	doi:10.1109/IPAS63548.2025.10924511	1
[Wang2025b] Wang, Wei-Cheng, Sam Leroux, and Pieter Simoens. 2025. "Source-Free Model Transferability Assessment for Smart Surveillance via Randomly Initialized Networks." SENSORS 25 (13).	https://doi.org/10.3390/s25133856 .	2
[Wang2025c] Zehao Wang, Mingxiao Li, Minye Wu, Marie-Francine Moens, Tinne Tuytelaars, Instruction-guided path planning with 3D semantic maps for vision-language navigation, Neurocomputing, Volume 625, 7 April 2025,		1
[Wang2025d] Zehao Wang, Han Zhou, Matthew B Blaschko, Tinne Tuytelaars, Minye Wu, Diversity-Driven View Subset Selection for Indoor Novel View Synthesis, Transactions on Machine Learning Research (TMLR),		1
[Wang2025e] Zifu Wang, Junyi Zhu, Bo Tang, Zhiyu Li, Feiyu Xiong, Jiaqian Yu, Matthew B. Blaschko, Jigsaw-RL: A Study of Rule-based Visual Reinforcement Learning with Jigsaw Puzzles, Transactions on Machine Learning		1
[WangC2025] Wang, C., Xue, Z., Kumar, T., Camps, G., Hallez, H., Vanrumste, B. (2025). Skeleton-Based Intake Gesture Detection With Spatial-Temporal Graph Convolutional Networks. In Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) (pp. 1 - 6).	https://doi.org/10.1109/EMBC58623.2025.11252830	1
[WeiH2025a] Wei, H., Zhou, Q., Dhaene, T., & Couckuyt, I. (2025). A novel Kriging-assisted multi-objective optimisation method considering infeasibility ratio under input uncertainty. JOURNAL OF ENGINEERING DESIGN.	https://doi.org/10.1080/09544828.2025.2450763	1
[WerthenBrabants2025a] Werthen-Brabants, L., Dhaene, T., & Deschrijver, D. (2025). The role of trustworthy and reliable AI for multiple sclerosis. FRONTIERS IN DIGITAL HEALTH, 7.	https://doi.org/10.3389/fdgth.2025.1507159	1

[WerthenBrabants2025b] Werthen-Brabants, L., Castillo-Escario, Y., Groenendaal, W., Jane, R., Dhaene, T., & Deschrijver, D. (2025). Deep learning-based event counting for apnea-hypopnea index estimation using recursive spiking neural networks. IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, 72(4), 1306–1315.	https://doi.org/10.1109/TBME.2024.3498097	1
[Weyns2025] Weyns, Michael, Thibault Blyau, Bram Steenwinckel, Filip De Turck, Sofie Van Hoecke, and Femke Ongenaë. 2025. "Explainable Knowledge Graph Embeddings for Industrial Process Monitoring & Control." INFORMATION FUSION 123.	https://doi.org/10.1016/j.inffus.2025.103242	1
[Willems2025] Willems, J., Steckelmacher, D., Schoulte, W., Depraetere, B., Kikken, E., Bey-Temsamani, A., & Nowe, A. (2025). Reinforcement Learning for Model-Free Control of a Cooling Network with Uncertain Future Demands. In Proceedings of the 22nd International Conference on Informatics in Control, Automation and Robotics (ICINCO ed., Vol. 1, pp. 59-70). Scitepress.	https://doi.org/10.5220/0013708300003982	2
[Winant2025] David Winant, Sonny Achten, Johan AK Suykens, Generative Kernel Spectral Clustering, ESANN		1
[Winters2025] T. Winters, S. Van der Stockt, "Evaluating Humor Generation in an Improvisational Comedy Setting", Computational Linguistics in the Netherlands Journal; 2025; Vol. 14; pp. 505 - 523, 2025		1
[Wu2025] Minye Wu, Haizhao Dai, Kaixin Yao, Tinne Tuytelaars, Jingyi Yu, BG-Triangle: Bézier gaussian triangle for 3D vectorization and rendering, IEEE CVF Conference on Computer Vision and Pattern Recognition (CVPR),		1
[Xie2025] Wangduo Xie, Richard Schoonhoven, Tristan van Leeuwen, Matthew B. Blaschko: AC-IND: Sparse CT reconstruction based on attenuation coefficient estimation and implicit neural distribution. IEEE/CVF Winter Conference on Applications of Computer Vision (WACV), 2025.	https://doi.org/10.1109/WACV61041.2025.00304	1
[Xu2025] W. Xu, C. Wang, M. Shang, C. De Bleecker, M. T. Vega, J. Vanrenterghem and B. Vanrumste, "AI-assisted Automatic Jump Detection and Height Estimation in Volleyball Using a Waist-worn IMU," in Proceedings of the		1

[Yang2025] Yang, P.-K., Filtjens, B., Ginis, P., Goris, M., Nieuwboer, A., Gilat, M., Slaets, P., & Vanrumste, B. (2025). Multimodal Freezing of Gait Detection: Analyzing the Benefits and Limitations of Physiological Data. IEEE Transactions on Neural Systems and Rehabilitation		1
[Yao2025] Yao, R., Verdonck, T., & Raymaekers, J. (2025, April). Causal discovery in mixed additive noise models. In The 28th International Conference on Artificial Intelligence and Statistics.	https://raw.githubusercontent.com/mlresearch/v258/main/sets/yao25a/yao25a.pdf	2
[Yao2025] Yao, Y., De Swaef, W., Geirnaert, S., Bertrand, A. (2025). EEG-based Decoding of Selective Visual Attention in Superimposed Videos. In IEEE Journal Of Biomedical And Health Informatics (Vol. 29, Number 10, pp. 7248 - 7261).	https://doi.org/10.1109/JBHI.2025.3580261	1
[YI2025a] Yi, X., Antonio, R., Dumoulin, J., Sun, J., Van Delm, J., Paim, G., & Verhelst, M. (2025). OpenGeMM: A High-Utilization GeMM Accelerator Generator with Lightweight RISC-V Control and Tight Memory Coupling. In In 30th Asia and South Pacific Design Automation Conference (ASPDAC '25), January 20–23, 2025, Tokyo, Japan. (pp. 1055–1061). ASSOC COMPUTING MACHINERY.	https://doi.org/10.1145/3658617.3697652	2
Faes A. Primani A., Moreau Y, Peeters, L.M., 2025. Applying Federated Learning to Block-Term Tensor Regression for Heart Disease Prediction. FLTA2025	https://doi.org/10.1109/FLTA67013.2025.11336663	
[YI2025b] Xiaoling Yi, Yunhao Deng, Ryan Antonio, Fanchen Kong, Guilherme Paim, and Marian Verhelst. 2025. DataMaestro: A Versatile and Efficient Data Streaming Engine Bringing Decoupled Memory Access to Dataflow Accelerators. In Proceedings of the 62nd Annual ACM/IEEE Design Automation Conference (DAC '25). IEEE Press, Article 335, 1–7.	https://doi.org/10.1109/DAC63849.2025.11133141	2
[Yosifov2025a] Yosifov, M., Fröhler, B., Sijbers, J., De Beenhouwer, J., Kastner, J., & Heinzl, C. (2025). Superimposing synthetic defects into real XCT data and segmentation-based comparison for advanced probability of detection evaluation. Journal of Nondestructive Evaluation, 44(4), 1–18. https://doi.org/10.1007/S10921-025-01262-1	https://doi.org/10.1007/S10921-025-01262-1	1
[Yosifov2025b] Yosifov, M., Lang, T., Florian, V., Gerth, S., De Beenhouwer, J., Sijbers, J., Kastner, J., & Heinzl, C. (2025). Degradation detection in rice products via shape variations in XCT simulation-empowered AI. Journal of Nondestructive Evaluation, 44(1), 1–15.	https://doi.org/10.1007/S10921-024-01147-9	1

[Yuan2025] Yuan, Z., Van Ransbeeck, W., Wiggins, G. A., & Botteldooren, D. (2025). A Dynamic Systems Approach to Modeling Human–Machine Rhythm Interaction. IEEE Transactions on Cybernetics, 55(5), 2052–2064.	http://hdl.handle.net/1854/LU-01JWBKQ3RE730GT8DXE-WXRYJAF	2
[Yuan2025b] Zhongju Yuan, Geraint Wiggins, Dick Botteldooren, “BioOSS: A Bio-Inspired Oscillatory State System with Spatio-Temporal Dynamics” in NeurIPS 2025 Advances in Neural Information Processing Systems 38		2
[Yurtman2025] A. Yurtman, D. Van Wesenbeeck, W. Meert, H. Blockeel, “Steering the LoCoMotif: Using Domain Knowledge in Time Series Motif Discovery”, Data Mining and Knowledge Discovery, vol. 39, no. 36, 2025.		1
[Zhang 2025] Zhang, M., Van Beeck, K. and Goedemé, T. (2025). Leveraging Unreal Engine for UAV Object Tracking: The AirTrackSynth Synthetic Dataset. In Proceedings of the 20th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications - Volume 2 VISAPP: VISAPP, 743-750,		2
[Zhao2025] S. Zhao, N. Shah, W. Meert and M. Verhelst, "AIA: A Customized Multi-Core RISC-V SoC for Discrete Sampling Workloads in 16 nm," in IEEE Journal of Solid-State Circuits, vol. 60, no. 7, pp. 2447-2460, July 2025, doi: 10.1109/JSSC.2025.3561880		2
[Michailidis2025] Michailidis, D., Röpke, W., Roijers, D. M., Ghebreab, S., & Santos, F. P. (in press). Scalable Multi-Objective Reinforcement Learning with Fairness Guarantees using Lorenz Dominance. In Journal of		2
[Zhou2025] Han Zhou, Jordy Van Landeghem, Teodora Popordanoska, Matthew B. Blaschko: A Novel Characterization of the Population Area Under the Risk Coverage Curve (AURC) and Rates of Finite Sample Estimators. Internation Conference on Machine Learning		1
[ZhouS2025] Zhou, S., Gao, C., Delbruck, T., Verhelst, M., & Liu, S.-C. (2025). Exploiting neuro-inspired dynamic sparsity for energy-efficient intelligent perception. In Nature Communications (Vol. 16, Issue 1). Nature Portfolio.	https://doi.org/10.1038/s41467-025-65387-7	2
[Zielinski2025] Zielinski, K. M., Scabini, L., Ribas, L. C., da Silva, N. R., Beeckman, H., Verwaeren, J., ... De Baets, B. (2025). Advanced wood species identification based on multiple anatomical sections and using deep feature transfer and fusion. COMPUTERS AND ELECTRONICS		

Cedro, M. and Martens, D., 2025, July. GraphXAIN: narratives to explain graph neural networks. In World Conference on Explainable Artificial Intelligence (pp. 91-114). Cham: Springer Nature Switzerland. https://doi.org/10.1007/978-3-032-08327-2_5	https://doi.org/10.1007/978-3-032-08327-2_5	2
Gevers, I., De Marez, V., Van Nooten, J., Lemmens, J., Kosar, A., Lotfi, E., Banar, N., Fizez, P., De Bruyne, L., & Daelemans, W. (2025). In Benchmarks We Trust ... Or Not? In Proceedings of the 2025 Conference on Empirical Methods in Natural Language Processing, pages 23662–23676, Suzhou, China. Association for Computational Linguistics.	https://doi.org/10.18653/v1/2025.emnlp-main.1208	2
Khan, H., Aerts, S., Vermeulen, I., Woodruff, H. C., Lambin, P., & Peeters, L. M. (2025). Integrating big data and artificial intelligence to predict progression in multiple sclerosis: Challenges and the path forward. Journal of NeuroEngineering and Rehabilitation, 22(1), 204.	https://doi.org/10.1186/s12984-025-01748-z	
[Lai2025] Lai, F., Heiter, E., Bied, G., & Lijffijt, J. (2025). InfoClus : informative clustering of high-dimensional data embeddings. In R. Ribeiro, B. Pfahringer, N. Japkowicz, P. Larrañaga, A. Jorge, C. Soares, ... J. Gama (Eds.), Machine Learning and Knowledge Discovery in Databases. Research Track : European Conference, ECML PKDD 2025, Porto, Portugal, September 15–19, 2025, Proceedings, Part I (Vol. 16013, pp. 480–497)	http://hdl.handle.net/1854/LU-01KAJX4SRB4W8N1D7DXFAMTT8X	1
Lenders, D., & Calders, T. (2025). Users' needs in interactive bias auditing tools introducing a requirement checklist and evaluating existing tools. AI and Ethics, 5, 341–369.	https://doi.org/10.1007/S43681-023-00342-0	2
[Luecken2025] Luecken MD, Gigante S, Burkhardt DB, Cannoodt R, Strobl DC, Markov NS, Zappia L, Palla G, Lewis W, Dimitrov D, Vinyard ME, Magruder DS, Andersson A, Dann E, Qin Q, Otto DJ, Klein M, Botvinnik OB, Deconinck L, Waldrant K; Open Problems Jamboree Members; Bloom JM, Pisco AO, Saez-Rodriguez J, Wulsin D, Pinello L, Saeys Y, Theis FJ, Krishnaswamy S. Defining and benchmarking open problems in single-cell analysis. Nat Biotechnol. 2025 Jul;43(7):1035-1040	https://doi.org/10.1038/s41587-025-02694-w	

Parciak, M., Pierlet, N., & Peeters, L. M. (2025). Empowering health care actors to contribute to the implementation of health data integration platforms: Retrospective of the medEmotion project. Journal of Medical Internet Research, 27, e68083.	https://doi.org/10.2196/68083	
Pearce, M., Doms, T., Rigg, A., Oramas, J., Sharkey, L., "Bilinear MLPs Enable Weight-based Mechanistic Interpretability", International Conference on Learning Representations (ICLR) 2025 (spotlight).	https://doi.org/10.48550/arXiv.2410.08417	2
Rodrigo-Bonet2025] E. Rodrigo-Bonet, N. Deligiannis. GF-LRP: A Method for Explaining Variational Graph Autoencoders. IEEE Transactions on Emerging Topics in Computational Intelligence, vol. 9, no. 1, February 2025.		2
[Verhelst2025b] Verhelst, E., Harley, N., Van Doninck, B., & Bey-Temsamani, A. (2025). A Digital Colleague as intuitive operator support system in a HMLV Production Environment. Procedia CIRP, 136, 242-247.	https://doi.org/10.1016/j.procir.2025.08.043	2