

Curriculum Vitae

Matteo Pennisi

Last updated: September 30, 2026

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1 Personal Information

- **Name:** Matteo Pennisi
- **Place and Date of Birth:** Bronte (CT), Italy, 30 July 1998
- **Nationality:** Italian
- **Email:** matteo.pennisi@unict.it

2 Education and Professional Experience

2.1 Education

Nov 2021 - Feb 2025	Ph.D. (Italian National Ph.D. Program in Artificial Intelligence), Università Campus Bio-Medico di Roma and University of Catania, awarded on 14/02/2025. Thesis title: “Advancing AI in Healthcare Through Federated Continual Learning”.
Oct 2019 - Sep 2021	Master’s Degree in Data Science for Management (LM-91), University of Catania, awarded on 27/09/2021 with a final grade of 110/110 cum laude.
Oct 2016 - Mar 2020	Bachelor’s Degree in Computer Engineering (L-8), University of Catania, awarded on 04/03/2020 with a final grade of 104/110.
Sep 2011 - May 2016	Scientific High School Diploma (Applied Sciences), Istituto Superiore “Ven. Ignazio Capizzi”, Bronte (CT), Italy.

2.2 Education or Research Activities at Foreign and International Universities or Research Institutes

Sep 2023 - Nov 2023	Visiting researcher at the Center for Research in Computer Vision (CRCV), University of Central Florida (UCF), USA. Research topics: “Explainable AI, Diffusion Models, Continual Learning, Federated Learning”, under the supervision of Prof. Mubarak Shah.
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2.3 Professional Experience

Apr 2025 - Present	Full-time Fixed-term Assistant Professor (RTD-A, art. 24 c.3-a L. 240/10) , scientific sector 09/H1, Department of Electrical, Electronic and Computer Engineering (DIEEI), University of Catania, Italy.
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3 Teaching Activities

3.1 University Teaching

3.1.1 Courses

- A.Y. 2026/2027**
- Lecturer of **Programmazione I** (Programming I), Bachelor's Degree in "Computer Engineering" (L-8 R), University of Catania. IINF-05/A, 6 ECTS, 58 hours.
 - Lecturer of **Database**, Bachelor's Degree in "Computer Engineering" (L-8 R), University of Catania. IINF-05/A, 4 ECTS, 36 hours.
- A.Y. 2025/2026**
- Lecturer of **Programmazione I** (Programming I), Bachelor's Degree in "Computer Engineering" (L-8 R), University of Catania. ING-INF/05, 4 ECTS, 36 hours.
 - Lecturer of **Database**, Bachelor's Degree in "Computer Engineering" (L-8 R), University of Catania. ING-INF/05, 4 ECTS, 36 hours.
 - Lecturer of **Informatica** (Computer Science), Single-cycle Master's Degree in "Dentistry and Dental Prosthodontics" (LM-46 R), University of Catania. INF/01, 3 ECTS, 29 hours.
- A.Y. 2024/2025**
- Lecturer of **Informatica** (Computer Science), Single-cycle Master's Degree in "Dentistry and Dental Prosthodontics" (LM-46), University of Catania. INF/01, 5 ECTS, 43 hours.
 - Lecturer of **Database**, Bachelor's Degree in "Computer Engineering" (L-8), University of Catania. ING-INF/05, 2 ECTS, 30 hours (first class section).
 - Lecturer of **Database**, Bachelor's Degree in "Computer Engineering" (L-8), University of Catania. ING-INF/05, 2 ECTS, 30 hours (second class section).

A.Y.	Course	Degree	University	ECTS	Hours
2026/2027	Programmazione I	L-8 R	UNICT	6	58
2026/2027	Database	L-8 R	UNICT	4	36
2025/2026	Programmazione I	L-8 R	UNICT	4	36
2025/2026	Database	L-8 R	UNICT	4	36
2025/2026	Informatica	LM-46 R	UNICT	3	29
2024/2025	Informatica	LM-46	UNICT	5	43
2024/2025	Database	L-8	UNICT	2	30
2024/2025	Database	L-8	UNICT	2	30
Total				30	298

Table 1: Summary of ECTS for university courses.

3.1.2 Examination Boards

- **Chair of the examination boards** for all sessions (at least 6 sessions per year) of the courses listed in Tab. 1.
- **Member of the examination boards** of other courses.

3.1.3 Teaching Assistant Activities

- A.Y. 2023/2024** - Teaching assistant for the course **Database and Web Programming** (ING-INF/05), Bachelor's Degree in Computer Engineering L-8, University of Catania.
- A.Y. 2022/2023** - Teaching assistant for the course **Database and Web Programming** (ING-INF/05), Bachelor's Degree in Computer Engineering L-8, University of Catania.
- A.Y. 2021/2022** - Teaching assistant for the course Advanced Machine Learning and Knowledge Discovery - **Knowledge Discovery** module (ING-INF/05), Master's Degree in Data Science for Management, University of Catania.

3.2 Doctoral Supervision

3.2.1 Ph.D. Student Co-supervision

- **Co-supervisor** of the Ph.D. student Leonardo Russo.
- **Co-supervisor** of the Ph.D. student Chiara Russo.

3.3 Supplementary Teaching

3.3.1 Degree Theses

- **Supervisor** of 5 degree theses at the University of Catania.
- Supervision of 1 Bachelor's thesis in Computer Engineering L-8, University of Catania. Thesis title: "L'Intelligenza Artificiale nel settore Automotive: Applicazione per il riconoscimento dei segnali stradali" (Artificial Intelligence in the Automotive Sector: an Application for Traffic Sign Recognition), graduation date 27/02/2025.

4 Research Activities

4.1 Organization, Coordination and Participation in Research Groups

4.1.1 National Research Groups

- [**2020, ongoing**] **Member** of the Pattern Recognition and Computer Vision Laboratory (PeRCeiVe Lab), Department of Electrical, Electronic and Computer Engineering, University of Catania (<http://www.perceivelab.com>).

- **[2021, ongoing] Participation in the research activities** of the AImageLab Laboratory, “Enzo Ferrari” Department of Engineering, University of Modena and Reggio Emilia, led by Prof. Simone Calderara. Main research topics: Continual Learning. Publications resulting from the collaboration:
 - C6. Saliency-driven Experience Replay for Continual Learning.
 - C14. Transfer without Forgetting.
 - C16. Effects of Auxiliary Knowledge on Continual Learning.
 - P6. On the Effectiveness of Equivariant Regularization for Robust Online Continual Learning.
- **[2021, ongoing] Participation in the research activities** of the Parallel Computing research group, University of Turin, led by Prof. Marco Aldinucci. Main research topics: Federated Learning. Publications resulting from the collaboration:
 - J4. FedER: Federated Learning through Experience Replay and privacy-preserving data synthesis.
 - J5. An explainable AI system for automated COVID-19 assessment and lesion categorization from CT-scans.
 - C10. Experience Replay as an Effective Strategy for Optimizing Decentralized Federated Learning.
 - C18. HPC application cloudification: The StreamFlow toolkit.
 - P7. Bringing AI pipelines onto cloud-HPC: setting a baseline for accuracy of COVID-19 AI diagnosis.
- **[2022, ongoing] Participation in the research activities** of Prof. Andrea Prati’s group, University of Parma. Main research topics: Generative Adversarial Networks, Continual Learning.

4.1.2 International Research Groups

- **[2023, ongoing] Participation in the research activities** of the Machine and Hybrid Intelligence Lab led by Prof. Ulas Bagci, Northwestern University, Chicago, Illinois, USA. Main research topics: Medical Imaging, Privacy-Preserving AI. Publications resulting from the collaboration:
 - C9. A Privacy-Preserving Walk in the Latent Space of Generative Models for Medical Applications.
- **[2023, ongoing] Participation in the research activities** of the Center for Research in Computer Vision, University of Central Florida, Orlando, Florida, USA, led by Prof. Mubarak Shah. Main research topics: Explainable AI, Prompt Optimization. Publications resulting from the collaboration:
 - J2. DiffExplainer: Towards Cross-modal Global Explanations with Diffusion Models.
 - C2. DEXTER: Diffusion-Guided EXplanations with TExtual Reasoning for Vision Models.
- **Participation in the research activities** of the research group of Prof. Noa Garcia, Associate Professor at the Institute for Advanced Co-Creation Studies and the D3 Center, University of Osaka, Osaka, Japan (<https://www.noagarciad.com/>). Main research topics: Vision-Language-Action (VLA) models, Machine Unlearning.
- **Participation in the research activities** of the research group of Prof. Natalia Rodríguez, Associate Professor at the University of Granada, Spain, DaSCI Andalusian Institute on Data Science and Computational Intelligence (ROR: 04njy449). Main research topics: Explainable AI.

4.2 Scientific Responsibility for Research Projects

4.2.1 International and National Research Projects

- **Principal Investigator** of the Technology Transfer project *Speak2Learn*, FAIR Technology Transfer Call (2025).

4.3 Scientific Participation in Research Projects

4.3.1 National and International Projects

- Participation in the research project “*FAIR: Future Artificial Intelligence Research*”, PNRR PE.1 call: Artificial Intelligence: foundational aspects. Role: research on e-learning and explainability.
- Participation in the research project “*RehaStart: Ricerca e sviluppo di tecnologie e metodologie per l’implementazione di soluzioni di teleriabilitazione ad alta sostenibilità economica e sociale*” (research and development of technologies and methodologies for economically and socially sustainable tele-rehabilitation solutions), funded under the call “Azione 1.1.5” - P.O. FESR 2014/2020 - Sicily Region. Role: design and development of deep learning methods for the monitoring and rehabilitation of neurologically impaired patients. Publications resulting from the project:
 - C13. REHASTART: Cognitive Tele-Rehabilitation Empowered by Vision Transformers.

4.3.2 Competitive Calls

Projects selected and funded (€50,000 each) under the University of Catania competitive research call “SYR-AI, Supporting Young Researchers through Artificial Intelligence” (D.R. 1267 of 07/04/2026):

- Participation in the research project “*CoVLA: Coordinated Vision-Language-Action Modules for Mobile Manipulation*”. PI: Dario Calogero Guastella (DIEEI).
- Participation in the research project “*STUDENT-AI: STUdent dynamics in DEcentralized aNd Tourist cities through AI for sustainable mobility, living and urban policies*”. PI: Michela Le Pira (DICAR).
- Participation in the research project “*AI-Heritage: Advanced AI-driven tools for built Heritage*”. PI: Alessandro Lo Faro (DICAR).
- Participation in the research project “*MAGIA: Sciami di nanorobot magnetici guidati da intelligenza artificiale in ambienti microfluidici per applicazioni biomedicali*” (AI-guided swarms of magnetic nanorobots in microfluidic environments for biomedical applications). PI: Mario Urso (DFA).
- Participation in the research project “*MINDIARY: Diario clinico digitale conversazionale basato su Large Language Models per il monitoraggio longitudinale del disagio psichico nei giovani adulti*” (LLM-based conversational digital clinical diary for the longitudinal monitoring of psychological distress in young adults). PI: Carmen Concerto (MEDCLIN).

4.3.3 Research Scholarships

- [Sep 2020, Sep 2021] **Student research scholarship** from the University of Catania, for the research project “*Self-supervised Learning: Boosting Performance of Deep Learning Models*”.

Publications resulting from the project:

- C17. Self-improving classification performance through GAN distillation.

4.4 Coordination of and Talks at National and International Scientific Events

4.4.1 Coordination of Scientific Events

- **Organizer** of the “Workshop on Federated Learning in Medical Imaging and Vision (FedMed)”, held in conjunction with the International Conference on Image Analysis and Processing (ICIAP 2023), Udine, Italy, 11 September 2023 (<https://fedmedw.github.io/organizers>).

4.4.2 Talks at Scientific Conferences and/or Research Institutions

- **Tutorial** at the *INAF AI in Astronomy Workshop*. Catania, Italy, 22 May 2025.
Tutorial title: “Deep Learning Best Practices in Astrophysics”.
- **Speaker** at the “26th International Conference on Medical Image Computing and Computer-Assisted Intervention” (MICCAI 2023), Vancouver, Canada, 10/10/2023. Talk title: *A Privacy-Preserving Walk in the Latent Space of Generative Models for Medical Applications*.
- **Speaker** at the “European Conference on Computer Vision 2022” (ECCV 2022), Tel Aviv, Israel, 26/10/2022. Talk title: *Transfer without Forgetting*.

4.5 Peer Review Activities

4.5.1 Journals

- IEEE Transactions on Multimedia
- ACM Transactions on Multimedia Computing, Communications, and Applications
- ACM Transactions on Intelligent Systems and Technology
- Computer Vision and Image Understanding
- Medical Image Analysis

4.5.2 International Conferences

- ACM Multimedia Conference (ACM-MM)
- IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)
- IEEE/CVF Winter Conference on Applications of Computer Vision (WACV)

- European Conference on Computer Vision (ECCV)
- International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI)

4.6 Membership in Scientific Societies

- **Member of the CVPL Society**, the Italian Association for Research in Computer Vision, Pattern Recognition and Machine Learning. <https://www.cvpl.it/>

4.7 Awards and Honors

- *NeurIPS Spotlight Paper* – “DEXTER: Diffusion-Guided EXplanations with TExtual Reasoning for Vision Models” (NeurIPS 2025).
- *Best Multimedia Paper Award* – “SeeingSounds: Learning Audio-to-Visual Alignment via Text” (ACM MMAsia 2025).
- *NeurIPS Spotlight Paper* – “Saliency-Driven Experience Replay for Continual Learning” (NeurIPS 2024).

5 Other Activities

5.1 Invited Talks, Tutorials and Keynotes

- 2026**
- **Invited talk** at the event “*Sanità e Intelligenza Artificiale – ESIDIA Tour 2026*” (Healthcare and Artificial Intelligence), Palazzo della Cultura, Catania, Italy, 27 June 2026.
 - **Invited talk** at the event “*Verso una mente artificiale? Applicazione delle neuroscienze e nuove tecnologie*” (Towards an artificial mind? Applications of neuroscience and new technologies), Sala Pinella Musmeci, Villa Belvedere, Acireale, Italy, 9 March 2026.
Title: “Sognare contro l’oblio” (Dreaming against oblivion).

6 Publications

6.1 Journals with Impact Factor

For each journal, the Clarivate **impact factor**¹ and the Scimago **quartile and subject category**² are reported. Values refer to the year 2026.

- J1. S. Calcagno, **M. Pennisi**, F. Proietto Salanitri, A. Sorrenti, S. Palazzo, C. Spampinato, G. Bellitto, *Dream2Learn: Structured Generative Dreaming for Continual Learning*. INTERNATIONAL JOURNAL OF COMPUTER VISION, Volume 134, 2026. DOI: 10.1007/s11263-026-02958-1
 - **Impact factor**: 10.3
 - **Scimago Quartile**: Q1 (Artificial Intelligence, Computer Vision and Pattern Recognition, Software)
- J2. **M. Pennisi**, G. Bellitto, S. Palazzo, I. Kavasidis, M. Shah, C. Spampinato, *DiffExplainer: Towards Cross-modal Global Explanations with Diffusion Models*. COMPUTER VISION AND IMAGE UNDERSTANDING, 2025.
 - **Impact factor**: 3.6
 - **Scimago Quartile**: Q1 (Computer Vision and Pattern Recognition)
- J3. A. Sorrenti, G. Bellitto, F. Proietto Salanitri, **M. Pennisi**, S. Palazzo, C. Spampinato, *Wake-Sleep Consolidated Learning*. IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS, Volume 36, 2025. DOI: 10.1109/TNNLS.2024.3458440
 - **Impact factor**: 9.7
 - **Scimago Quartile**: Q1 (Artificial Intelligence)
- J4. **M. Pennisi**, F. Proietto Salanitri, G. Bellitto, B. Casella, M. Aldinucci, S. Palazzo, C. Spampinato, *FedER: Federated Learning through Experience Replay and privacy-preserving data synthesis*. COMPUTER VISION AND IMAGE UNDERSTANDING, Volume 238, 2024. DOI: 10.1016/j.cviu.2023.103882
 - **Impact factor**: 3.6
 - **Scimago Quartile**: Q1 (Computer Vision and Pattern Recognition)
- J5. **M. Pennisi**, I. Kavasidis, C. Spampinato, V. Schinina, S. Palazzo, F. Proietto Salanitri, G. Bellitto, F. Rundo, M. Aldinucci, M. Cristofaro, P. Campioni, E. Pianura, F. Di Stefano, A. Petrone, F. Albarello, G. Ippolito, S. Cuzzocrea, S. Conoci, *An explainable AI system for automated COVID-19 assessment and lesion categorization from CT-scans*. ARTIFICIAL INTELLIGENCE IN MEDICINE, Volume 118, 2021. DOI: 10.1016/j.artmed.2021.102114
 - **Impact factor**: 7.8
 - **Scimago Quartile**: Q1 (Artificial Intelligence)

6.2 International Conference Proceedings

- C1. A. M. Iorumbur, **M. Pennisi**, C. Raymond, D. Zhang, A. Z. Ibitoye, U. Anazodo, C. Spampinato, *From Disorder to Volume: Transformer-Based 3D MRI Reconstruction from Unstruc-*

¹<https://clarivate.com/>

²<https://www.scimagojr.com/>

tured JPEG Archives. First Workshop on Advancing African Medical AI through Global Integration.

- C2. S. Carnemolla, **M. Pennisi**, S. Samarasinghe, G. Bellitto, S. Palazzo, D. Giordano, M. Shah, C. Spampinato, *DEXTER: Diffusion-Guided EXplanations with TExtual Reasoning for Vision Models*. The Thirty-ninth Annual Conference on Neural Information Processing Systems (NeurIPS 2025). San Diego, USA. December 2-7, 2025.
- **Rating GII-GRIN-SCIE**: Class 1, Rating A++
- C3. S. Carnemolla, **M. Pennisi**, C. M. Russo, S. Palazzo, D. Giordano, C. Spampinato, *Seeing-Sounds: Learning Audio-to-Visual Alignment via Text*. 7th ACM International Conference on Multimedia in Asia (MMAAsia 2025). Kuala Lumpur, Malaysia. December 9-12, 2025.
- C4. R. Hendrix, G. Patanè, L. G. Russo, S. Carnemolla, F. Proietto Salanitri, G. Bellitto, C. Spampinato, **M. Pennisi**, *Pre-Forgettable Models: Prompt Learning as a Native Mechanism for Unlearning*. 33rd ACM International Conference on Multimedia (ACM MM 2025). Dublin, Ireland. October 27-31, 2025.
- **Rating GII-GRIN-SCIE**: Class 1, Rating A++
- C5. A. Masano, **M. Pennisi**, F. Proietto Salanitri, C. Spampinato, G. Bellitto, *Zero-shot Decentralized Federated Learning*. 2025 International Joint Conference on Neural Networks (IJCNN 2025). Rome, Italy. June 30 - July 5, 2025.
- C6. G. Bellitto, F. Proietto Salanitri, **M. Pennisi**, M. Boschini, L. Bonicelli, A. Porrello, S. Calderara, S. Palazzo, C. Spampinato, *Saliency-driven Experience Replay for Continual Learning*. The Thirty-eighth Annual Conference on Neural Information Processing Systems (NeurIPS 2024). Vancouver, Canada. December 10-15, 2024.
- **Rating GII-GRIN-SCIE**: Class 1, Rating A++
- C7. L. Palazzo, **M. Pennisi**, F. Proietto Salanitri, G. Bellitto, S. Palazzo, C. Spampinato, *FedRewind: Rewinding Continual Model Exchange for Decentralized Federated Learning*. 2024 27th International Conference on Pattern Recognition (ICPR 2024). Kolkata, India. December 01-05, 2024.
- **Rating GII-GRIN-SCIE**: Class 2, Rating A-
- C8. F. Proietto Salanitri, G. Bellitto, R. Mineo, **M. Pennisi**, A. Sorrenti, S. Calcagno, D. Giordano, S. Palazzo, C. Spampinato, *Dynamic Graph Attention: Unraveling Spatio-Temporal Synchrony in EEG Data*. IEEE International Conference on Bioinformatics and Biomedicine (BIBM 2023). Istanbul, Turkey. December 5-8, 2023.
- C9. **M. Pennisi**, F. Proietto Salanitri, G. Bellitto, S. Palazzo, U. Bagci, C. Spampinato, *A Privacy-Preserving Walk in the Latent Space of Generative Models for Medical Applications*. 26th International Conference on Medical Image Computing and Computer-Assisted Intervention (MICCAI 2023). Vancouver, Canada. October 8-12, 2023.
- **Rating GII-GRIN-SCIE**: Class 2, Rating A
- C10. **M. Pennisi**, F. Proietto Salanitri, G. Bellitto, B. Casella, M. Aldinucci, S. Palazzo, C. Spampinato, *Experience Replay as an Effective Strategy for Optimizing Decentralized Federated Learning*. International Conference on Computer Vision (ICCV) Workshops (ICCVW 2023). Paris, France. October 2-6, 2023.

- C11. A. Sorrenti, G. Bellitto, F. Proietto Salanitri, **M. Pennisi**, C. Spampinato, S. Palazzo, *Selective Freezing for Efficient Continual Learning*. International Conference on Computer Vision (ICCV) Workshops (ICCVW 2023). Paris, France. October 2-6, 2023.
- C12. L. Palazzo, **M. Pennisi**, G. Bellitto, I. Kavasidis, *FeDZIO: Decentralized Federated Knowledge Distillation on Edge Devices*. 22nd International Conference on Image Analysis and Processing (ICIAP) Workshops. Udine, Italy. September 11-15, 2023.
- C13. I. Kavasidis, **M. Pennisi**, A. Spitaleri, C. Spampinato, M. Pennisi, G. Lanza, R. Bella, D. Giordano, *REHASTART: Cognitive Tele-Rehabilitation Empowered by Vision Transformers*. International Conference on Biomedical and Health Informatics 2022 (ICBHI 2022). Concepción, Chile. 24-26 November 2022.
- C14. M. Boschini, L. Bonicelli, A. Porrello, G. Bellitto, **M. Pennisi**, S. Palazzo, C. Spampinato, S. Calderara, *Transfer without Forgetting*. 2022 European Conference on Computer Vision (ECCV 2022). Tel Aviv, Israel. October 23-27, 2022.
- C15. **M. Pennisi**, F. Proietto Salanitri, S. Palazzo, C. Pino, F. Rundo, D. Giordano, C. Spampinato, *GAN Latent Space Manipulation and Aggregation for Federated Learning in Medical Imaging*. International Workshop on Distributed, Collaborative, and Federated Learning (DeCaF), MICCAIW 2022. Singapore, September 18-22, 2022.
- C16. G. Bellitto, **M. Pennisi**, S. Palazzo, L. Bonicelli, M. Boschini, S. Calderara, *Effects of Auxiliary Knowledge on Continual Learning*. 2022 26th International Conference on Pattern Recognition (ICPR 2022). Montréal, Québec, Canada. August 21-25, 2022.
- **Rating GII-GRIN-SCIE**: Class 2, Rating A-
- C17. **M. Pennisi**, S. Palazzo, C. Spampinato, *Self-improving classification performance through GAN distillation*. International Conference on Computer Vision (ICCV) Workshops (ICCVW 2021). Online. October 11-17, 2021.
- C18. I. Colonnelli, B. Cantalupo, R. Esposito, **M. Pennisi**, C. Spampinato, M. Aldinucci, *HPC application cloudification: The StreamFlow toolkit*. 12th Workshop on Parallel Programming and Run-Time Management Techniques for Many-core Architectures and 10th Workshop on Design Tools and Architectures for Multicore Embedded Computing Platforms (PARMA-DITAM 2021). Budapest, Hungary. January 19, 2021.

6.3 Preprints

- P1. A. Sorrenti, **M. Pennisi**, C. Spampinato, S. Palazzo, *FedCMAPSS: A Benchmark for Federated Learning in Remaining Useful Life Estimation*. arXiv preprint arXiv:2608.26433, 2026.
- P2. R. Hendrix, L. G. Russo, C. Spampinato, **M. Pennisi**, G. Bellitto, *TrustErase: Auditable Instant Machine Unlearning with Passport-Embedded Representations*. arXiv preprint arXiv:2606.17122, 2026.
- P3. S. Carnemolla, S. Calcagno, D. Giordano, C. Spampinato, **M. Pennisi**, *PERL: Parameter Efficient Reasoning in CLIP Latent Space*. arXiv preprint arXiv:2605.18464, 2026.

- P4. C. M. Russo, S. Carnemolla, S. Palazzo, D. Giordano, C. Spampinato, **M. Pennisi**, *OCCAM: Open-set Causal Concept explAnation and Ontology induction for black-box vision Models*. arXiv preprint arXiv:2605.18481, 2026.
- P5. S. Carnemolla, C. Russo, S. Palazzo, Q. Bouniot, D. Giordano, Z. Akata, **M. Pennisi**, C. Spampinato, *UNBOX: Unveiling Black-box visual models with Natural-language*. arXiv preprint arXiv:2603.08639, 2026.
- P6. L. Bonicelli, M. Boschini, E. Frascaroli, A. Porrello, **M. Pennisi**, G. Bellitto, S. Palazzo, C. Spampinato, S. Calderara, *On the Effectiveness of Equivariant Regularization for Robust Online Continual Learning*. arXiv preprint arXiv:2305.03648, 2023.
- P7. I. Colonnelli, B. Cantalupo, C. Spampinato, **M. Pennisi**, M. Aldinucci, *Bringing AI pipelines onto cloud-HPC: setting a baseline for accuracy of COVID-19 AI diagnosis*. arXiv preprint arXiv:2108.01033, 2021.

6.4 Bibliometrics

- Google Scholar: <https://scholar.google.com/citations?user=yu0W-NEAAAAJ&hl=en>
- Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57222025707>

Overall scientific production	
Total number of journal publications with IF	5
Scimago Quartile Q1	5
Scimago Quartile Q2	–
Scimago Quartile Q3	–
Scimago Quartile Q4	–
Total number of conference publications	18
Total number of preprints	7
Average journal publications per year (2021-2026)	0.83
Average publications per year (2021-2026)	3.83

Table 2: Summary of the overall scientific production (journals and conferences). Values updated as of **September 30, 2026**.

Indices	
Total citations (source: Scopus)	216
Total citations (source: Google Scholar)	412
Average citations per publication (source: Scopus)	9.82
Average citations per publication (source: Google Scholar)	13.73
Total journal impact factor	35.0
Average impact factor per publication	7.00
h-index (source: Scopus)	7
h-index (source: Google Scholar)	10

Table 3: Bibliometric indices updated as of **September 30, 2026**.