

TORTORA MATTEO

Overview

- ? Unit: ELE
- ? Role: Ricercatore
- ? Grade: Ricercatore t.d. art. 24 c. 3 lett. A Legge 240/10 (t.pieno)
- ? SSD: IIND-08/B (Sistemi elettrici per l'energia)
- ? Scopus ID: 57219050694
- ? Unige Id: 727077
- ? Retrieved at: 2025-11-14T15:15:59.133115

Contact

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Career

- ? Rd, 2024-08-01 ? 2027-07-31

Scopus Metrics

- ? absolute; Docs: 16; Journals: 8; Conferences: 7; Citations: 110; H-index: 6
- ? 15 years (2010-2025); Docs: 16; Journals: 8; Conferences: 7; Citations: 110; H-index: 6
- ? 10 years (2015-2025); Docs: 16; Journals: 8; Conferences: 7; Citations: 110; H-index: 6
- ? 05 years (2020-2025); Docs: 16; Journals: 8; Conferences: 7; Citations: 110; H-index: 6

Scopus Products

1.

- ? Title: Erratum: Correction: Machine learning predicts pulmonary long Covid sequelae using clinical data (BMC medical informatics and decision making (2024) 24 1 DOI: 10.1186/s12911-024-02745-3.)
- ? Venue: BMC Medical Informatics and Decision Making
- ? Year: 2025
- ? Type: Journal
- ? Subtype: Erratum
- ? Citations: 0
- ? DOI: 10.1186/s12911-025-02918-8
- ? Scopus ID: 2-s2.0-85218433800
- ? eISSN: 14726947
- ? Volume: 25
- ? Issue: 1
- ? Pages: 68
- ? Authors: Cordelli Ermanno; Soda Paolo; Citter Sara; Schiavon Elia; Salvatore Christian; Fazzini Deborah; Clementi Greta; Cellina Michaela; Cozzi Andrea; Bortolotto Chandra; Preda Lorenzo; Francini Luisa; Tortora Matteo; Castiglioni Isabella; Papa Sergio; Sona Diego; Al` Marco
- ? Quartile:
- 2025:
 - ? Health Policy (Q1, rank 23, percentile 93)
 - ? Health Informatics (Q1, rank 31, percentile 81)
 - ? Computer Science Applications (Q1, rank 202, percentile 79)
- ? Source Id: 23602
- ? Author Ids: 50861065300;22036116900;59445794000;57409784900;55517025900;57207453088;58172076300;37058609300;57200316191;36898193500;7005579364;57226177374;57219050694;6603570829;57195054331;55945221700;56997951000
- ? Authoraffiliationids: 60005308;60005308-60031040;60083112-

60015986;122934984;122934984-60105475;100320384;100320384;60110962;129013265;60015197-
60026556;60015197-60026556;60005308;60005308-
60025153;60012306;100320384;60083112;100320384-60102062

? Corresponding: Cordelli E.

2.

? Title: Deep learning for human locomotion analysis in lower-limb exoskeletons: a comparative study

? Venue: Frontiers in Computer Science

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 0

? DOI: 10.3389/fcomp.2025.1597143

? Scopus ID: 2-s2.0-105014144694

? eISSN: 26249898

? Volume: 7

? Authors: Coser Omar; Tamantini Christian; Tortora Matteo; Furia Leonardo; Sicilia Rosa; Zollo Loredana; Soda Paolo

? Keywords: deep learning | explainable AI | human locomotion | multimodal learning | neural networks

? Quartile:

2025:

? Computer Vision and Pattern Recognition (Q2, rank 46, percentile 73)

? Computer Science (miscellaneous) (Q2, rank 54, percentile 69)

? Computer Science Applications (Q2, rank 310, percentile 68)

? Human-Computer Interaction (Q2, rank 85, percentile 55)

? Source Id: 21101062832

? Author Ids:

58896480000;57215525489;57219050694;58885337700;57201738807;55902740000;22036116900

? Authoraffiliationids: 60005308;60005308-60012572;60005308-

60025153;60005308;60005308;60005308;60005308-60031040

? Corresponding: Coser O.

3.

? Title: Can Foundation Models Really Segment Tumors? A Benchmarking Odyssey in Lung CT Imaging

? Venue: Proceedings IEEE Symposium on Computer Based Medical Systems

? Year: 2025

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Cbms65348.2025.00083

? Scopus ID: 2-s2.0-105010582966

? Issn: 10637125

? Pages: 375-380

? Authors: Aylon Elena Mulero; Mantegna Massimiliano; Shen Linlin; Soda Paolo; Guarasi Valerio; Tortora Matteo

? Keywords: Foundation Models | Lung Cancer | Medical Imaging | MedSAM | SAM | Segmentation

? Quartile:

2025:

? Radiology, Nuclear Medicine and Imaging (Q3, rank 233, percentile 34)

? Computer Science Applications (Q3, rank 665, percentile 32)

? Source Id: 23681

? Author Ids: 59353441200;59863779900;7401704647;22036116900;57219750978;57219050694

? Authoraffiliationids: 60005308;60005308;60000937;60005308-60031040;60005308;60025153
? Corresponding: Aylon E.M.

- 4.
- ? Title: Benchmarking GAN-Based vs Classical Data Augmentation on Biomedical Images
 - ? Venue: Lecture Notes in Computer Science
 - ? Year: 2025
 - ? Type: Book Series
 - ? Subtype: Conference Paper
 - ? Citations: 1
 - ? Doi: 10.1007/978-3-031-87660-8_7
 - ? Scopus ID: 2-s2.0-105004792609
 - ? Issn: 03029743
 - ? eISSN: 16113349
 - ? Volume: 15615 Lncs
 - ? Pages: 92-104
 - ? Authors: Mantegna Massimiliano; Tronchin Lorenzo; Tortora Matteo; Soda Paolo
 - ? Keywords: Data Augmentation | Deep Learning | GANs | Medical imaging | MedMNIST
 - ? Quartile:
 - 2025:
 - ? Theoretical Computer Science (Q3, rank 70, percentile 48)
 - ? Computer Science (all) (Q3, rank 129, percentile 46)
 - ? Source Id: 25674
 - ? Author Ids: 59863779900;57219258227;57219050694;22036116900
 - ? Authoraffiliationids: 60005308-126413140;60031040;60025153;60005308-60031040
 - ? Corresponding: Mantegna M.

- 5.
- ? Title: Machine learning predicts pulmonary Long Covid sequelae using clinical data
 - ? Venue: BMC Medical Informatics and Decision Making
 - ? Year: 2024
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 5
 - ? DOI: 10.1186/s12911-024-02745-3
 - ? Scopus ID: 2-s2.0-85210516904
 - ? eISSN: 14726947
 - ? Volume: 24
 - ? Issue: 1
 - ? Authors: Cordelli Ermanno; Soda Paolo; Citter Sara; Schiavon Elia; Salvatore Christian; Fazzini Deborah; Clementi Greta; Cellina Michaela; Cozzi Andrea; Bortolotto Chandra; Preda Lorenzo; Francini Luisa; Tortora Matteo; Castiglioni Isabella; Papa Sergio; Sona Diego; Al` Marco
 - ? Keywords: Artificial intelligence | Long-COVID | Multimodal learning | Post-COVID syndrome | Prognosis
 - ? Quartile:
 - 2025:
 - ? Health Policy (Q1, rank 23, percentile 93)
 - ? Health Informatics (Q1, rank 31, percentile 81)
 - ? Computer Science Applications (Q1, rank 202, percentile 79)
 - 2024:
 - ? Health Policy (Q1, rank 29, percentile 91)
 - ? Computer Science Applications (Q1, rank 206, percentile 78)
 - ? Health Informatics (Q1, rank 35, percentile 77)
 - ? Source Id: 23602
 - ? Author Ids: 50861065300;22036116900;59445794000;57409784900;55517025900;57207453088;5

8172076300;37058609300;57200316191;36898193500;7005579364;57226177374;57219050694;66035
70829;57195054331;55945221700;56997951000
? Authoraffiliationids: 60005308;60005308-60031040;60083112-
60015986;122934984;122934984-60105475;100320384;100320384;60110962;60046817;60015197-
60026556;60015197-60026556;60005308;60005308-
60025153;60012306;100320384;60083112;100320384-60102062
? Corresponding: Cordelli E.

6.

? Title: Virtual Scanner: Leveraging Resilient Generative AI for Radiological Imaging
in the Era of Medical Digital Twins
? Venue: Ceur Workshop Proceedings
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-85205587545
? Issn: 16130073
? Volume: 3762
? Pages: 12-17
? Authors: Adornato Carolina; Assolito Cecilia; Cordelli Ermanno; Di Feola Francesco;
Guarrasi Valerio; Iannello Giulio; Marcoccia Lorenzo; Aylon Elena Mulero; Restivo
Rebecca; Rofena Aurora; Sicilia Rosa; Soda Paolo; Tortora Matteo; Tronchin Lorenzo
? Keywords: Generative Artificial Intelligence | Medical Imaging | Multimodal Learning
| Radiology | Resilient AI | Virtual Scanner
? Quartile:
2025:
? Computer Science (all) (Q4, rank 214, percentile 11)
2024:
? Computer Science (all) (Q4, rank 215, percentile 10)
? Source Id: 21100218356
? Author Ids: 59353018700;59353299300;50861065300;59663039300;57219750978;6701387714;59
353724400;59353441200;59352874400;58546772300;57201738807;22036116900;57219050694;57219
258227
? Authoraffiliationids: 60005308;60005308;60005308;60005308-
60031040;60005308;60005308;60005308;60005308;60005308;60005308;60005308-
60031040;60005308;60005308-60031040
? Corresponding: Adornato C.

7.

? Title: Towards AI-driven Next Generation Personalized Healthcare and Well-being
? Venue: Ceur Workshop Proceedings
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-85205566611
? Issn: 16130073
? Volume: 3762
? Pages: 534-539
? Authors: Aksu Fatih; Bria Alessandro; Caragliano Alice Natalina; Caruso Camillo
Maria; Chen Wenting; Cordelli Ermanno; Coser Omar; Francesconi Arianna; Furia Leonardo;
Guarrasi Valerio; Iannello Giulio; Lauretti Clemente; Manni Guido; Marino Giustino;
Paolo Domenico; Ruffini Filippo; Shen Linlin; Sicilia Rosa; Soda Paolo; Tamantini
Christian; Tortora Matteo; Wu Zhuoru; Zollo Loredana
? Keywords: Artificial Intelligence | Healthcare Robotics | Multimodal Learning |

? Scopus ID: 2-s2.0-85184866583

? Pages: 1917-1920

? Authors: Furia Leonardo; Tortora Matteo; Soda Paolo; Sicilia Rosa

? Keywords: Deep Reinforcement Learning | Early Classification | Stress Detection | Time Series

? Source Id: 21101201213

? Author Ids: 58885337700;57219050694;22036116900;57201738807

? Authoraffiliationids: 60005308;60005308;60005308-60031040;60005308

? Corresponding: Furia L.

10.

? Title: Sustainable AI: inside the deep, alongside the green

? Venue: Ceur Workshop Proceedings

? Year: 2023

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Scopus ID: 2-s2.0-85173821377

? Issn: 16130073

? Volume: 3486

? Pages: 622-627

? Authors: Conte Francesco; Cordelli Ermanno; Guerrasi Valerio; Iannello Giulio;

Sicilia Rosa; Soda Paolo; Tortora Matteo; Tronchin Lorenzo

? Keywords: Artificial Intelligence | Green technology | Sustainable AI

? Quartile:

2025:

? Computer Science (all) (Q4, rank 214, percentile 11)

2023:

? Computer Science (all) (Q4, rank 197, percentile 15)

? Source Id: 21100218356

? Author Ids: 57151673600;50861065300;57219750978;6701387714;57201738807;22036116900;57219050694;57219258227

? Authoraffiliationids:

60005308;60005308;60005308;60005308;60005308;60005308;60005308;60005308

? Corresponding: Conte F.

11.

? Title: RadioPathomics: Multimodal Learning in Non-Small Cell Lung Cancer for Adaptive Radiotherapy

? Venue: IEEE Access

? Year: 2023

? Type: Journal

? Subtype: Article

? Citations: 29

? Doi: 10.1109/Access.2023.3275126

? Scopus ID: 2-s2.0-85159837640

? eISSN: 21693536

? Volume: 11

? Pages: 47563-47578

? Authors: Tortora Matteo; Cordelli Ermanno; Sicilia Rosa; Nibid Lorenzo; Ippolito Edy; Perrone Giuseppe; Ramella Sara; Soda Paolo

? Keywords: Late fusion | machine learning | multimodal learning | non-small-cell lung cancer | pathomics | radiomics

? Quartile:

2025:

? Engineering (all) (Q1, rank 42, percentile 88)

? Computer Science (all) (Q1, rank 41, percentile 83)

? Materials Science (all) (Q1, rank 101, percentile 78)

2023:

? Engineering (all) (Q1, rank 23, percentile 92)

? Computer Science (all) (Q1, rank 29, percentile 87)

? Materials Science (all) (Q1, rank 77, percentile 83)

? Source Id: 21100374601

? Author Ids: 57219050694;50861065300;57201738807;57226194703;35319905300;56530309600;602902025;22036116900

? Authoraffiliationids:

60005308;60005308;60005308;60005308;60005308;60005308;60005308;60005308;60005308-60031040

? Corresponding: Tortora M.

12.

? Title: Comparison of current methods for anti-dsDNA antibody detection and reshaping diagnostic strategies

? Venue: Scandinavian Journal of Immunology

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 18

? DOI: 10.1111/sji.13220

? Scopus ID: 2-s2.0-85139441625

? Issn: 03009475

? eISSN: 13653083

? Volume: 96

? Issue: 6

? Authors: Infantino Maria; Palterer Boaz; Previtali Giulia; Alessio Maria Grazia; Villalta Danilo; Carbone Teresa; Platzgummer Stefan; Paura Giusi; Castiglione Caterina; Fabris Martina; Pesce Giampaola; Porcelli Brunetta; Terzuoli Lucia; Bacarelli Maria Romana; Tampoa Marilina; Cinquanta Luigi; Brusca Ignazio; Buzzolini Francesca; Benucci Maurizio; Tortora Matteo; Tronchin Lorenzo; Guararsi Valerio; Soda Paolo; Manfredi Mariangela; Bizzaro Nicola

? Keywords: anti-dsDNA antibodies | diagnostic accuracy | immunoassay

? Quartile:

2025:

? Immunology (Q3, rank 147, percentile 39)

2022:

? Immunology (Q2, rank 94, percentile 56)

? Source Id: 21357

? Author Ids: 36965614500;56951095800;55490402600;57207503836;7004275129;55058677500;8654475400;57201632700;57216689009;6603673392;7006017773;7003587601;7003560791;6602988303;6602393031;6701577816;56001373100;57735705300;6602125228;57219050694;57219258227;57219750978;22036116900;8927547000;7006151423

? Authoraffiliationids: 100555723;60021859;60138561;60138561;60046822;125524191;114613506;128100720;60073798;60212208;60107402-60025153;60082057-60002838;60082057-60002838;60082057-60015354;100425514;60104443;60085498;60046822-60085498;100555723;60005308;60005308;60005308-60032350;60005308;100555723;60212208

? Corresponding: Infantino M.

13.

? Title: PyTrack: A Map-Matching-Based Python Toolbox for Vehicle Trajectory Reconstruction

? Venue: IEEE Access

? Year: 2022

? Type: Journal

- ? Subtype: Article
- ? Citations: 6
- ? Doi: 10.1109/Access.2022.3216565
- ? Scopus ID: 2-s2.0-85141518334
- ? eISSN: 21693536
- ? Volume: 10
- ? Pages: 112713-112720
- ? Authors: Tortora Matteo; Cordelli Ermanno; Soda Paolo
- ? Keywords: global navigation satellite system | hidden Markov model | Intelligent transportation systems | library | map-matching | OpenStreetMap | Python | trajectory
- ? Quartile:
- 2025:
 - ? Engineering (all) (Q1, rank 42, percentile 88)
 - ? Computer Science (all) (Q1, rank 41, percentile 83)
 - ? Materials Science (all) (Q1, rank 101, percentile 78)
- 2022:
 - ? Engineering (all) (Q1, rank 22, percentile 92)
 - ? Computer Science (all) (Q1, rank 25, percentile 89)
 - ? Materials Science (all) (Q1, rank 78, percentile 82)
- ? Source Id: 21100374601
- ? Author Ids: 57219050694;50861065300;22036116900
- ? Authoraffiliationids: 60005308;60005308;60005308
- ? Corresponding: Tortora M.

4.

- ? Title: Deep Reinforcement Learning for Fractionated Radiotherapy in Non-Small Cell Lung Carcinoma
- ? Venue: Artificial Intelligence in Medicine
- ? Year: 2021
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 24
- ? DOI: 10.1016/j.artmed.2021.102137
- ? Scopus ID: 2-s2.0-85113278649
- ? Issn: 09333657
- ? eISSN: 18732860
- ? Volume: 119
- ? Authors: Tortora Matteo; Cordelli Ermanno; Sicilia Rosa; Miele Marianna; Matteucci Paolo; Iannello Giulio; Ramella Sara; Soda Paolo
- ? Keywords: D3QN | Deep reinforcement learning | NSCLC | Particle swarm optimization | Radiation therapy | Tumour treatment optimization
- ? Quartile:
- 2025:
 - ? Health Informatics (Q1, rank 9, percentile 94)
 - ? Medicine (miscellaneous) (Q1, rank 26, percentile 94)
 - ? Artificial Intelligence (Q1, rank 48, percentile 90)
- 2021:
 - ? Medicine (miscellaneous) (Q1, rank 22, percentile 92)
 - ? Artificial Intelligence (Q1, rank 29, percentile 89)
- ? Source Id: 24140
- ? Author Ids: 57219050694;50861065300;57201738807;57203224752;36932685800;6701387714;6602902025;22036116900
- ? Authoraffiliationids: 60005308;60005308;60005308;60005308;60005308;60005308;60005308;60005308
- ? Corresponding: Tortora M.

15.

- ? Title: Exploring deep pathomics in lung cancer
- ? Venue: Proceedings IEEE Symposium on Computer Based Medical Systems
- ? Year: 2021
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 6
- ? Doi: 10.1109/Cbms52027.2021.00092
- ? Scopus ID: 2-s2.0-85110925482
- ? Issn: 10637125
- ? Volume: 2021-June
- ? Pages: 407-412
- ? Authors: Liu Charles Z.; Sicilia Rosa; Tortora Matteo; Cordelli Ermanno; Nibid Lorenzo; Sabarese Giovanna; Perrone Giuseppe; Fiore Michele; Ramella Sara; Soda Paolo
- ? Keywords: Deep Learning | Lung Cancer | Pathomics | Scalable Learning | Transfer Learning
- ? Quartile:
- 2025:
 - ? Radiology, Nuclear Medicine and Imaging (Q3, rank 233, percentile 34)
 - ? Computer Science Applications (Q3, rank 665, percentile 32)
- 2021:
 - ? Computer Science Applications (Q3, rank 442, percentile 40)
 - ? Radiology, Nuclear Medicine and Imaging (Q3, rank 187, percentile 39)
- ? Source Id: 23681
- ? Author Ids: 57226193181;57201738807;57219050694;50861065300;57226194703;56925532300;56530309600;55838511044;6602902025;22036116900
- ? Authoraffiliationids: 60005308;60005308;60005308;60005308;60005308;60005308;60005308;60005308;60005308;60005308
- ? Corresponding: Liu C.Z.

16.

- ? Title: Time-window SIQR analysis of COVID-19 outbreak and containment measures in italy
- ? Venue: Proceedings IEEE Symposium on Computer Based Medical Systems
- ? Year: 2020
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 6
- ? Doi: 10.1109/Cbms49503.2020.00059
- ? Scopus ID: 2-s2.0-85089375439
- ? Issn: 10637125
- ? Volume: 2020-July
- ? Pages: 277-282
- ? Authors: Cordelli Ermanno; Tortora Matteo; Sicilia Rosa; Soda Paolo
- ? Keywords: Basic reproductive number | Coronavirus | COVID-19 | Italy | Particle swarm optimization
- ? Quartile:
- 2025:
 - ? Radiology, Nuclear Medicine and Imaging (Q3, rank 233, percentile 34)
 - ? Computer Science Applications (Q3, rank 665, percentile 32)
- 2020:
 - ? Computer Science Applications (Q3, rank 425, percentile 38)
 - ? Radiology, Nuclear Medicine and Imaging (Q3, rank 189, percentile 34)
- ? Source Id: 23681
- ? Author Ids: 50861065300;57219050694;57201738807;22036116900

? Authoraffiliationids: 60005308;60005308;60005308;60005308

? Corresponding: Cordelli E.