# Gennaro Vessio

List of Publications by Year
in descending order

| 49 papers | 634 citations | 623188 14 h-index | 642321 23 g-index |
|---|---|---|---|
| 49 all docs | 49 docs citations | 49 times ranked | 407 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Dynamically enhanced static handwriting representation for Parkinson's disease detection. Pattern Recognition Letters, 2019, 128, 204-210. | 2.6 | 74 |
| 2 | Dynamic Handwriting Analysis for Neurodegenerative Disease Assessment: A Literary Review. Applied Sciences (Switzerland), 2019, 9, 4666. | 1.3 | 56 |
| 3 | Dynamic Handwriting Analysis for Supporting Earlier Parkinson's Disease Diagnosis. Information (Switzerland), 2018, 9, 247. | 1.7 | 50 |
| 4 | Sequence-based dynamic handwriting analysis for Parkinson's disease detection with one-dimensional convolutions and BiGRUs. Expert Systems With Applications, 2021, 168, 114405. | 4.4 | 49 |
| 5 | A Handwriting-Based Protocol for Assessing Neurodegenerative Dementia. Cognitive Computation, 2019, 11, 576-586. | 3.6 | 43 |
| 6 | Deep learning approaches to pattern extraction and recognition in paintings and drawings: an overview. Neural Computing and Applications, 2021, 33, 12263-12282. | 3.2 | 37 |
| 7 | Crowd Detection in Aerial Images Using Spatial Graphs and Fully-Convolutional Neural Networks. IEEE Access, 2020, 8, 64534-64544. | 2.6 | 34 |
| 8 | Attentional Pattern Classification for Automatic Dementia Detection. IEEE Access, 2019, 7, 57706-57716. | 2.6 | 27 |
| 9 | Visual link retrieval and knowledge discovery in painting datasets. Multimedia Tools and Applications, 2021, 80, 6599-6616. | 2.6 | 25 |
| 10 | Crowd Detection for Drone Safe Landing Through Fully-Convolutional Neural Networks. Lecture Notes in Computer Science, 2020, , 301-312. | 1.0 | 19 |
| 11 | MLOps: A Taxonomy and a Methodology. IEEE Access, 2022, 10, 63606-63618. | 2.6 | 18 |
| 12 | ROULETTE: A neural attention multi-output model for explainable Network Intrusion Detection. Expert Systems With Applications, 2022, 201, 117144. | 4.4 | 17 |
| 13 | Leveraging Knowledge Graphs and Deep Learning for automatic art analysis. Knowledge-Based Systems, 2022, 248, 108859. | 4.0 | 17 |
| 14 | Ensembling complex network 'perspectives' for mild cognitive impairment detection with artificial neural networks. Pattern Recognition Letters, 2020, 136, 168-174. | 2.6 | 15 |
| 15 | Towards a Tool for Visual Link Retrieval and Knowledge Discovery in Painting Datasets. Communications in Computer and Information Science, 2020, , 105-110. | 0.4 | 15 |
| 16 | MicroRNA expression classification for pediatric multiple sclerosis identification. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 15851-15860. | 3.3 | 12 |
| 17 | Explaining Ovarian Cancer Gene Expression Profiles with Fuzzy Rules and Genetic Algorithms. Electronics (Switzerland), 2021, 10, 375. | 1.8 | 10 |
| 18 | Multi-view Convolutional Network for Crowd Counting in Drone-Captured Images. Lecture Notes in Computer Science, 2020, , 588-603. | 1.0 | 9 |

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|---|---------|----|-----------|
| 19 | A survey of visual and procedural handwriting analysis for neuropsychological assessment. Neural Computing and Applications, 2022, 34, 9561-9578. | 3.2 | 8 |
| 20 | Deep Convolutional Embedding for Digitized Painting Clustering. , 2021, , . | | 7 |
| 21 | Real-Time Age Estimation from Facial Images Using YOLO and EfficientNet. Lecture Notes in Computer Science, 2021, , 275-284. | 1.0 | 7 |
| 22 | VisDrone-CC2020: The Vision Meets Drone Crowd Counting Challenge Results. Lecture Notes in Computer Science, 2020, , 675-691. | 1.0 | 7 |
| 23 | Exploiting Time in Adaptive Learning from Educational Data. Communications in Computer and Information Science, 2021, , 3-16. | 0.4 | 6 |
| 24 | An easy-to-explain decision support framework for forensic analysis of dynamic signatures. Forensic Science International: Digital Investigation, 2021, 38, 301216. | 1.2 | 6 |
| 25 | Applying Predicate Abstraction to Abstract State Machines. Lecture Notes in Business Information Processing, 2015, , 283-292. | 0.8 | 6 |
| 26 | Preliminary Evaluation of TinyYOLO on a New Dataset for Search-and-Rescue with Drones. , 2020, , . | | 6 |
| 27 | Leveraging Grad-CAM to Improve the Accuracy of Network Intrusion Detection Systems. Lecture Notes in Computer Science, 2021, , 385-400. | 1.0 | 5 |
| 28 | Intercepting Blackhole Attacks in MANETs: An ASM-based Model. Lecture Notes in Computer Science, 2018, , 137-152. | 1.0 | 4 |
| 29 | An Evolutionary Approach to address Interoperability Issues in Multi-Device Signature Verification. , 2019, , . | | 4 |
| 30 | Crowd Counting from Unmanned Aerial Vehicles with Fully-Convolutional Neural Networks. , 2020, , . | | 4 |
| 31 | A Brief Overview of Deep Learning Approaches to Pattern Extraction and Recognition in Paintings and Drawings. Lecture Notes in Computer Science, 2021, , 487-501. | 1.0 | 4 |
| 32 | Preliminary Description of NACK-based Ad-hoc On-demand Distance Vector Routing Protocol for MANETs. , 2014, , . | | 4 |
| 33 | Performance-Driven Handwriting Task Selection for Parkinson's Disease Classification. Lecture Notes in Computer Science, 2019, , 281-293. | 1.0 | 4 |
| 34 | Human Detection in Drone Images Using YOLO for Search-and-Rescue Operations. Lecture Notes in Computer Science, 2022, , 326-337. | 1.0 | 4 |
| 35 | Comparing AODV and N-AODV Routing Protocols for Mobile Ad-hoc Networks. , 2015, , . | | 3 |
| 36 | Educational Stream Data Analysis: A Case Study. , 2020, , . | | 3 |

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|---|---------|----|-----------|
| 37 | Investigating the Sigma-Lognormal Model for Disease Classification by Handwriting. Series in Machine Perception and Artificial Intelligence, 2020, , 195-209. | 0.1 | 3 |
| 38 | Handwriting Dynamics as an Indicator of Cognitive Reserve: An Exploratory Study*. , 2019, , . | | 2 |
| 39 | Evaluation of Cognitive Impairment in Pediatric Multiple Sclerosis with Machine Learning: An Exploratory Study of miRNA Expressions. , 2020, , . | | 2 |
| 40 | Retrieving Visually Linked Digitized Paintings. , 2021, , 233-247. | | 2 |
| 41 | Detection of Dementia Through 3D Convolutional Neural Networks Based on Amyloid PET. , 2021, , . | | 2 |
| 42 | An ASM-based characterisation of starvation-free systems. International Journal of Parallel, Emergent and Distributed Systems, 2018, 33, 35-51. | 0.7 | 1 |
| 43 | Recognizing the Waving Gesture in the Interaction with a Social Robot. , 2020, , . | | 1 |
| 44 | Automatic Clustering of CT Scans of COVID-19 Patients Based on Deep Learning. Lecture Notes in Computer Science, 2021, , 231-242. | 1.0 | 1 |
| 45 | Deep Convolutional Embedding for Painting Clustering: Case Study on Picasso's Artworks. Lecture Notes in Computer Science, 2020, , 68-78. | 1.0 | 1 |
| 46 | Editorial for Special Issue "Fine Art Pattern Extraction and Recognition". Journal of Imaging, 2021, 7, 195. | 1.7 | 0 |
| 47 | Towards an ASM-based Characterization of the Deadlock-freedom Property. , 2016, , . | | 0 |
| 48 | Towards a Decision Support Framework for Forensic Analysis of Dynamic Signatures. Communications in Computer and Information Science, 2020, , 9-14. | 0.4 | 0 |
| 49 | Innovative classification of dolphins using deep neural networks and GrabCut. , 2020, , . | | 0 |