# Lin Meng

List of Publications by Year
in descending order



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|---|---|---|---|
| 93 papers | 838 citations | 759055 12 h-index | 642610 23 g-index |
| 95 all docs | 95 docs citations | 95 times ranked | 515 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | An architecture-level analysis on deep learning models for low-impact computations. Artificial Intelligence Review, 2023, 56, 1971-2010. | 9.7 | 16 |
| 2 | Deep learning-based elderly gender classification using Doppler radar. Personal and Ubiquitous Computing, 2022, 26, 1067-1079. | 1.9 | 1 |
| 3 | Feature Classification-Based Inclination Measurement for Industrial Assembly Platform. Wireless Communications and Mobile Computing, 2022, 2022, 1-8. | 0.8 | 1 |
| 4 | Machine Learning-Based Classification of Human Behaviors and Falls in Restroom via Dual Doppler Radar Measurements. Sensors, 2022, 22, 1721. | 2.1 | 14 |
| 5 | Briefly Analysis about CNN Accelerator based on FPGA. Procedia Computer Science, 2022, 202, 277-282. | 1.2 | 6 |
| 6 | AI-based Prevention Embedded System Against COVID-19 in Daily Life. Procedia Computer Science, 2022, 202, 152-157. | 1.2 | 2 |
| 7 | Computer-assisted Ancient Documents Re-organization. Procedia Computer Science, 2022, 202, 295-300. | 1.2 | 1 |
| 8 | YOLO-GD: A Deep Learning-Based Object Detection Algorithm for Empty-Dish Recycling Robots. Machines, 2022, 10, 294. | 1.2 | 27 |
| 9 | Detection of Peripheral Malarial Parasites in Blood Smears Using Deep Learning Models. Computational Intelligence and Neuroscience, 2022, 2022, 1-11. | 1.1 | 8 |
| 10 | Optimizing the Deep Neural Networks by Layer-Wise Refined Pruning and the Acceleration on FPGA. Computational Intelligence and Neuroscience, 2022, 2022, 1-22. | 1.1 | 12 |
| 11 | DKNet: Deep Kuzushiji Characters Recognition Network. IEEE Access, 2022, 10, 75872-75883. | 2.6 | 7 |
| 12 | Segmentation and Classification of White Blood Cells Using the UNet. Contrast Media and Molecular Imaging, 2022, 2022, 1-8. | 0.4 | 9 |
| 13 | Volunteer Assisted Collaborative Offloading and Resource Allocation in Vehicular Edge Computing. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3247-3257. | 4.7 | 79 |
| 14 | Pneumonia Diagnosis on Chest X-Rays with Machine Learning. Procedia Computer Science, 2021, 187, 42-51. | 1.2 | 2 |
| 15 | A Skeleton Analysis Based Fall Detection Method Using ToF Camera. Procedia Computer Science, 2021, 187, 252-257. | 1.2 | 5 |
| 16 | Machine Learning based Apathy Classification on Doppler Radar Image for the Elderly Person. Procedia Computer Science, 2021, 187, 146-151. | 1.2 | 4 |
| 17 | Machine learning-based real-time visible fatigue crack growth detection. Digital Communications and Networks, 2021, 7, 551-558. | 2.7 | 39 |
| 18 | A Comprehensive Analysis of Low-Impact Computations in Deep Learning Workloads. , 2021, , . | | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A survey of Convolutional Neural Networks â€"From software to hardware and the applications in measurement. Measurement: Sensors, 2021, 18, 100080. | 1.3 | 7 |
| 20 | Real-time medicine packet recognition system in dispensing medicines for the elderly. Measurement: Sensors, 2021, 18, 100072. | 1.3 | 10 |
| 21 | Deep Leaning based Medicine Packaging Information Recognition for Medication Use in the Elderly. Procedia Computer Science, 2021, 187, 194-199. | 1.2 | 5 |
| 22 | Stereo Vision-Based Depth Estimation. Advances in Intelligent Systems and Computing, 2021, , 1209-1216. | 0.5 | 5 |
| 23 | A Neck-Floor Distance Analysis-Based Fall Detection System Using Deep Camera. Advances in Intelligent Systems and Computing, 2021, , 1113-1120. | 0.5 | 1 |
| 24 | From SOA to VOA: A Shift in Understanding the Operation and Evolution of Service Ecosystem. IEEE Transactions on Services Computing, 2021, , 1-1. | 3.2 | 12 |
| 25 | A high-efficiency dirty-egg detection system based on YOLOv4 and TensorRT. , 2021, , . | | 8 |
| 26 | Tracking control of lower limb exoskeleton robot based on human plantar reaction force. , 2021, , . | | 1 |
| 27 | Deep Learning and Image Processing Combined Organization of Shirakawaâ€™s Hand-Notated Documents on OBI Research. , 2021, , . | | 4 |
| 28 | Dynamic human contact prediction based on naive Bayes algorithm in mobile social networks. Software - Practice and Experience, 2020, 50, 2031-2045. | 2.5 | 3 |
| 29 | An Edge Computing Based Fall Detection System for Elderly Persons. Procedia Computer Science, 2020, 174, 9-14. | 1.2 | 6 |
| 30 | Camera motion estimation algorithm for IoT devices based on optimized feature tracking method. Procedia Computer Science, 2020, 174, 22-26. | 1.2 | 2 |
| 31 | A Method of Japanese Ancient Text Recognition by Deep Learning. Procedia Computer Science, 2020, 174, 276-279. | 1.2 | 13 |
| 32 | Apathy Classification Based on Doppler Radar Image for the Elderly Person. Frontiers in Bioengineering and Biotechnology, 2020, 8, 553847. | 2.0 | 8 |
| 33 | A self-learning fall detection system for elderly persons using depth camera. International Journal of Advanced Mechatronic Systems, 2020, 8, 16. | 0.1 | 2 |
| 34 | A branch-and-bound approach to scheduling of data-parallel tasks on multi-core architectures. International Journal of Embedded Systems, 2020, 12, 125. | 0.2 | 2 |
| 35 | Machine Learning Based Features Matching for Fatigue Crack Detection. Procedia Computer Science, 2020, 174, 101-105. | 1.2 | 4 |
| 36 | Online Scheduling Optimization for DAG-Based Requests Through Reinforcement Learning in Collaboration Edge Networks. IEEE Access, 2020, 8, 72985-72996. | 2.6 | 12 |

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|---|---|---|---|
| 37 | Fall Detection of Elderly Persons by Action Recognition Using Data Augmentation and State Transition Diagram. Studies in Computational Intelligence, 2020, , 95-109. | 0.7 | 0 |
| 38 | Deep Learning Based Ancient Asian Character Recognition. , 2020, , . | | 4 |
| 39 | Rubbing Character Recognition with Machine Learning. , 2020, , . | | 0 |
| 40 | South Indian Character Recognition Using Statistical Feature Extraction and Distance Classifier. , 2020, , . | | 2 |
| 41 | Deep Learning based Emotion Recognition IoT System. , 2020, , . | | 5 |
| 42 | Motion estimation-based inclination measurement of industrial assembly platform. International Journal of Advanced Mechatronic Systems, 2020, 8, 155. | 0.1 | 1 |
| 43 | Frame Detection and Text Line Segmentation for Early Japanese Books Understanding. , 2020, , . | | 1 |
| 44 | A self-learning fall detection system for elderly persons using depth camera. International Journal of Advanced Mechatronic Systems, 2020, 8, 16. | 0.1 | 1 |
| 45 | A Case Study on Rubbing Character Recognition Based on Deep Learning. , 2020, , . | | 0 |
| 46 | Robust Self-Adaptation Fall-Detection System Based on Camera Height. Sensors, 2019, 19, 3768. | 2.1 | 14 |
| 47 | An approach for signature recognition using contours based technique. , 2019, , . | | 0 |
| 48 | Multiple States Fall Detection System for Senior Citizens. , 2019, , . | | 1 |
| 49 | Signature Recognition and Verification Using Multiple Classifiers Combination of Huâ€™s and HOG Features. , 2019, , . | | 8 |
| 50 | A Dynamic Height Analysis on Vision Based Fall Detection System. , 2019, , . | | 2 |
| 51 | Gender Classification of Elderly People using Doppler Radar Images based on Machine Learning. , 2019, , . | | 3 |
| 52 | The Early Japanese Books Text Line Segmentation base on Image Processing and Deep Learning. , 2019, , . | | 13 |
| 53 | Discussion on Machine Learning and Deep Learning based Makeup Considered Eye Status Recognition for Driver Drowsiness. Procedia Computer Science, 2019, 147, 264-270. | 1.2 | 14 |
| 54 | A HOG-SVM Based Fall Detection IoT System for Elderly Persons Using Deep Sensor. Procedia Computer Science, 2019, 147, 276-282. | 1.2 | 43 |

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|---|---|---|---|
| 55 | Front vehicle detection based on parallel Blob detection using quad-pipeline on FPGA. International Journal of Modelling, Identification and Control, 2019, 33, 20. | 0.2 | 0 |
| 56 | Camera Motion Estimation and optimization Approach. , 2019, , . | | 2 |
| 57 | Deep Learning and Lexical Analysis Combined Rubbing Character Recognition. , 2019, , . | | 3 |
| 58 | Deep Learning based Ancient Literature Recognition and Preservation. , 2019, , . | | 3 |
| 59 | Lucas-Kanade Optical Flow Based Camera Motion Estimation Approach. , 2019, , . | | 4 |
| 60 | Detection and Classification of Human Motion in Blind Area Using Micro-Doppler Radar: Fundamental Experiments Toward the Prediction of Dash-out from Blind Area. , 2019, , . | | 1 |
| 61 | QoE-Constrained Concurrent Request Optimization Through Collaboration of Edge Servers. IEEE Internet of Things Journal, 2019, 6, 9951-9962. | 5.5 | 12 |
| 62 | A Genetic Algorithm for Scheduling of Data-parallel Tasks on Multicore Architectures. IPSJ Transactions on System LSI Design Methodology, 2019, 12, 74-77. | 0.5 | 4 |
| 63 | Oracle Bone Inscription Detector Based on SSD. Lecture Notes in Computer Science, 2019, , 126-136. | 1.0 | 29 |
| 64 | Three-States-Transition Method for Fall Detection Algorithm Using Depth Image. Journal of Robotics and Mechatronics, 2019, 31, 88-94. | 0.5 | 5 |
| 65 | Underwater-Drone With Panoramic Camera for Automatic Fish Recognition Based on Deep Learning. IEEE Access, 2018, 6, 17880-17886. | 2.6 | 102 |
| 66 | The Development of Underwater-Drone equipped with 360-degree Panorama Camera in Opensource Hardware. Procedia Computer Science, 2018, 129, 438-442. | 1.2 | 3 |
| 67 | Distance Measurement and Camera Calibration based on Binocular Vision Technology. , 2018, , . | | 10 |
| 68 | A Privacy Protected Fall Detection IoT System for Elderly Persons Using Depth Camera. , 2018, , . | | 19 |
| 69 | A Low-Cost Edge Server Placement Strategy in Wireless Metropolitan Area Networks. , 2018, , . | | 19 |
| 70 | Recognition of Oracle Bone Inscriptions Using Deep Learning based on Data Augmentation. , 2018, , . | | 9 |
| 71 | Boundary Region Detection for Continuous Objects in Wireless Sensor Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-13. | 0.8 | 11 |
| 72 | Ancient Asian Character Recognition for Literature Preservation and Understanding. Lecture Notes in Computer Science, 2018, , 741-751. | 1.0 | 14 |

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| 73 | Unlocking Potential Knowledge Hidden in Rubbing:. Lecture Notes in Computer Science, 2018, , 762-771. | 1.0 | 2 |
| 74 | Fall detection for elderly persons using a depth camera. , 2017, , . | | 21 |
| 75 | Dangerous Situation Detection for Elderly Persons in Restrooms Using Center of Gravity and Ellipse Detection. Journal of Robotics and Mechatronics, 2017, 29, 1057-1064. | 0.5 | 11 |
| 76 | A dual-mode scheduling approach for task graphs with data parallelism. International Journal of Embedded Systems, 2017, 9, 147. | 0.2 | 3 |
| 77 | Recognition of Oracle Bone Inscriptions by Extracting Line Features on Image Processing. , 2017, , . | | 17 |
| 78 | Two-Stage Recognition for Oracle Bone Inscriptions. Lecture Notes in Computer Science, 2017, , 672-682. | 1.0 | 16 |
| 79 | Artificial Haze Immune Algorithm for Image Processing. , 2016, , . | | 0 |
| 80 | Danger situations detection for the senior in toilet room using the center of gravity. , 2016, , . | | 3 |
| 81 | Recognition of Oracular Bone Inscriptions Using Template Matching. International Journal of Computer Theory and Engineering, 2016, 8, 53-57. | 3.2 | 9 |
| 82 | An optimal scheduling for using chain technique on superscalar processor. International Journal of Advanced Mechatronic Systems, 2015, 6, 211. | 0.1 | 0 |
| 83 | Detecting cracks on a concrete surface using histogram of oriented gradients. , 2015, , . | | 18 |
| 84 | FPGA-based BLOB Detection Using Dual-pipelining (Abstract Only). , 2015, , . | | 0 |
| 85 | Scheduling on a superscalar processor using the chain technique. , 2014, , . | | 0 |
| 86 | A toilet danger detection system for aged people. , 2014, , . | | 2 |
| 87 | Combining ALU chaining with two-direction address renaming load value prediction. International Journal of Advanced Mechatronic Systems, 2014, 6, 53. | 0.1 | 0 |
| 88 | A dual-mode scheduling algorithm for task graphs with data parallelism. , 2014, , . | | 0 |
| 89 | Novel List Scheduling Strategies for Data Parallelism Task Graphs. International Journal of Networking and Computing, 2014, 4, 279-290. | 0.3 | 13 |
| 90 | List Scheduling Strategies for Task Graphs with Data Parallelism. , 2013, , . | | 2 |

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| 91 | A CAM-Based Separated BTB for a Superscalar Processor. , 2013, , . | | 0 |
| 92 | Control Independence Using Dual Renaming. , 2010, , . | | 0 |
| 93 | Recognition of Oracle Bone Inscriptions by using Two Deep Learning Models. International Journal of Digital Humanities, 0, , 1. | 1.1 | 9 |