# Morteza Heidari

## List of Publications by Year in descending order



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|---|---|---|---|
| 34 papers | 752 citations | 1039880 9 h-index | 1058333 14 g-index |
| 35 all docs | 35 docs citations | 35 times ranked | 735 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Improving the performance of CNN to predict the likelihood of COVID-19 using chest X-ray images with preprocessing algorithms. International Journal of Medical Informatics, 2020, 144, 104284. | 1.6 | 268 |
| 2 | COVID-Classifier: an automated machine learning model to assist in the diagnosis of COVID-19 infection in chest X-ray images. Scientific Reports, 2021, 11, 9887. | 1.6 | 111 |
| 3 | Prediction of breast cancer risk using a machine learning approach embedded with a locality preserving projection algorithm. Physics in Medicine and Biology, 2018, 63, 035020. | 1.6 | 70 |
| 4 | Classification of Breast Masses Using a Computer-Aided Diagnosis Scheme of Contrast Enhanced Digital Mammograms. Annals of Biomedical Engineering, 2018, 46, 1419-1431. | 1.3 | 56 |
| 5 | Prediction of chemotherapy response in ovarian cancer patients using a new clustered quantitative image marker. Physics in Medicine and Biology, 2018, 63, 155020. | 1.6 | 35 |
| 6 | Development and Assessment of a New Global Mammographic Image Feature Analysis Scheme to Predict Likelihood of Malignant Cases. IEEE Transactions on Medical Imaging, 2020, 39, 1235-1244. | 5.4 | 35 |
| 7 | Applying a random projection algorithm to optimize machine learning model for predicting peritoneal metastasis in gastric cancer patients using CT images. Computer Methods and Programs in Biomedicine, 2021, 200, 105937. | 2.6 | 33 |
| 8 | Applying a new computer-aided detection scheme generated imaging marker to predict short-term breast cancer risk. Physics in Medicine and Biology, 2018, 63, 105005. | 1.6 | 18 |
| 9 | Deep learning denoising for EOG artifacts removal from EEG signals. , 2020, , . | | 16 |
| 10 | Applying a Random Projection Algorithm to Optimize Machine Learning Model for Breast Lesion Classification. IEEE Transactions on Biomedical Engineering, 2021, 68, 2764-2775. | 2.5 | 14 |
| 11 | Framework for robust blind image watermarking based on classification of attacks. Multimedia Tools and Applications, 2017, 76, 23459-23479. | 2.6 | 10 |
| 12 | Improving performance of breast cancer risk prediction using a new CAD-based region segmentation scheme. , 2018, , . | | 10 |
| 13 | A hybrid DCT-SVD based image watermarking algorithm. , 2016, , . | | 9 |
| 14 | Developing a Quantitative Ultrasound Image Feature Analysis Scheme to Assess Tumor Treatment Efficacy Using a Mouse Model. Scientific Reports, 2019, 9, 7293. | 1.6 | 9 |
| 15 | Applying a machine learning model using a locally preserving projection based feature regeneration algorithm to predict breast cancer risk. , 2018, , . | | 9 |
| 16 | Computer-aided classification of breast masses using contrast-enhanced digital mammograms. , 2018, , . | | 7 |
| 17 | An approach to human iris recognition using quantitative analysis of image features and machine learning. , 2020, , . | | 5 |
| 18 | A hybrid deep learning approach to predict malignancy of breast lesions using mammograms. , 2018, , . | | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Applying Quantitative Radiographic Image Markers to Predict Clinical Complications After Aneurysmal Subarachnoid Hemorrhage: A Pilot Study. Annals of Biomedical Engineering, 2022, 50, 413-425. | 1.3 | 4 |
| 20 | Image quality enhancement in wireless capsule endoscopy with Adaptive Fraction Gamma Transformation and Unsharp Masking filter. , 2020, , . | | 3 |
| 21 | Applying a CAD-generated imaging marker to assess short-term breast cancer risk. , 2018, , . | | 2 |
| 22 | Assessment of a quantitative mammographic imaging marker for breast cancer risk prediction. , 2019, , . | | 2 |
| 23 | Developing global image feature analysis models to predict cancer risk and prognosis. Visual Computing for Industry, Biomedicine, and Art, 2019, 2, 17. | 2.2 | 2 |
| 24 | A new case-based CAD scheme using a hierarchical SSIM feature extraction method to classify between malignant and benign cases. , 2020, , . | | 2 |
| 25 | Developing new quantitative CT image markers to predict prognosis of acute ischemic stroke patients. Journal of X-Ray Science and Technology, 2022, 30, 459-475. | 0.7 | 2 |
| 26 | Ultra High Q-Factor Superconducting Microresonator to Use in Microwave Kinetic Inductance Detectors. , 2019, , . | | 1 |
| 27 | Applying a new unequally weighted feature fusion method to improve CAD performance of classifying breast lesions. , 2018, , . | | 1 |
| 28 | Towards higher detection accuracy in blind steganalysis of JPEG images. , 2016, , . | | 0 |
| 29 | Association of computer-aided detection results and breast cancer risk. , 2019, , . | | 0 |
| 30 | Design, fabrication and evaluation of non-imaging, label-free pre-screening tool using quantified bio-electrical tissue profile. , 2019, , . | | 0 |
| 31 | Assessment of short-term breast cancer risk using a frequency domain correlation based imaging marker. , 2019, , . | | 0 |
| 32 | Developing a computer-aided image analysis and visualization tool to predict region-specific brain tissue â€œat riskâ€•for developing acute ischemic stroke. , 2019, , . | | 0 |
| 33 | Developing a quantitative ultrasound image feature analysis scheme to assess tumor treatment efficacy using a mouse model. , 2019, , . | | 0 |
| 34 | A Practical Method for Pupil segmentation in challenging conditions. , 2020, , . | | 0 |