

Massoud Zolgharni

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7614337/publications.pdf>

Version: 2024-02-01

32
papers

623
citations

686830

13
h-index

610482

24
g-index

32
all docs

32
docs citations

32
times ranked

694
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging cerebral haemorrhage with magnetic induction tomography: numerical modelling. <i>Physiological Measurement</i> , 2009, 30, S187-S200.	1.2	71
2	Early esophageal adenocarcinoma detection using deep learning methods. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019, 14, 611-621.	1.7	65
3	Defining the real-world reproducibility of visual grading of left ventricular function and visual estimation of left ventricular ejection fraction: impact of image quality, experience and accreditation. <i>International Journal of Cardiovascular Imaging</i> , 2015, 31, 1303-1314.	0.7	59
4	Frequency-difference MIT imaging of cerebral haemorrhage with a hemispherical coil array: numerical modelling. <i>Physiological Measurement</i> , 2010, 31, S111-S125.	1.2	55
5	Esophageal Abnormality Detection Using DenseNet Based Faster R-CNN With Gabor Features. <i>IEEE Access</i> , 2019, 7, 84374-84385.	2.6	45
6	Forward modelling of magnetic induction tomography: a sensitivity study for detecting haemorrhagic cerebral stroke. <i>Medical and Biological Engineering and Computing</i> , 2009, 47, 1301-1313.	1.6	40
7	Energy efficiency improvements in dry drilling with optimised diamond-like carbon coatings. <i>Diamond and Related Materials</i> , 2008, 17, 1733-1737.	1.8	34
8	A numerical design study of chaotic mixing of magnetic particles in a microfluidic bio-separator. <i>Microfluidics and Nanofluidics</i> , 2007, 3, 677-687.	1.0	32
9	Improving ultrasound video classification: an evaluation of novel deep learning methods in echocardiography. <i>Journal of Medical Artificial Intelligence</i> , 2020, 3, 4-4.	1.1	31
10	Automated Aortic Doppler Flow Tracing for Reproducible Research and Clinical Measurements. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 1071-1082.	5.4	23
11	Learning Spatiotemporal Features for Esophageal Abnormality Detection From Endoscopic Videos. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021, 25, 131-142.	3.9	19
12	ECG-based real-time arrhythmia monitoring using quantized deep neural networks: A feasibility study. <i>Computers in Biology and Medicine</i> , 2022, 143, 105249.	3.9	19
13	Automatic detection of end-diastolic and end-systolic frames in 2D echocardiography. <i>Echocardiography</i> , 2017, 34, 956-967.	0.3	17
14	Doppler assessment of aortic stenosis: a 25-operator study demonstrating why reading the peak velocity is superior to velocity time integral. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 1380-1389.	0.5	16
15	Guidance for accurate and consistent tissue Doppler velocity measurement: comparison of echocardiographic methods using a simple vendor-independent method for local validation. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 817-827.	0.5	13
16	Open-source, vendor-independent, automated multi-beat tissue Doppler echocardiography analysis. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 1135-1148.	0.7	12
17	Automated Left Ventricular Dimension Assessment Using Artificial Intelligence Developed and Validated by a UK-Wide Collaborative. <i>Circulation: Cardiovascular Imaging</i> , 2021, 14, e011951.	1.3	12
18	Multibeat echocardiographic phase detection using deep neural networks. <i>Computers in Biology and Medicine</i> , 2021, 133, 104373.	3.9	11

#	ARTICLE	IF	CITATIONS
19	ResDUnet: Residual Dilated UNet for Left Ventricle Segmentation from Echocardiographic Images. , 2020, 2020, 2019-2022.		10
20	Neural architecture search of echocardiography view classifiers. Journal of Medical Imaging, 2021, 8, 034002.	0.8	8
21	Frame rate required for speckle tracking echocardiography: A quantitative clinical study with open-source, vendor-independent software. International Journal of Cardiology, 2016, 218, 31-36.	0.8	7
22	Imaging haemorrhagic cerebral stroke by frequency-difference magnetic induction tomography: numerical modelling. IFMBE Proceedings, 2009, , 2464-2467.	0.2	7
23	An Inductance-based Sensor for DNA Hybridization Detection. , 2007, , .		5
24	Segmentation of Left Ventricle in 2D Echocardiography Using Deep Learning. Communications in Computer and Information Science, 2020, , 497-504.	0.4	5
25	An optimisation-based iterative approach for speckle tracking echocardiography. Medical and Biological Engineering and Computing, 2020, 58, 1309-1323.	1.6	3
26	GFD Faster R-CNN: Gabor Fractal DenseNet Faster R-CNN for Automatic Detection of Esophageal Abnormalities in Endoscopic Images. Lecture Notes in Computer Science, 2019, , 89-97.	1.0	3
27	Automated speckle tracking algorithm to aid on-axis imaging in echocardiography. Journal of Medical Imaging, 2014, 1, 037001.	0.8	1
28	Labelling of Biological Cells with Magnetic Particles in a Chaotic Microfluidic Mixer. , 2007, , .		0
29	Feasibility of using a reliable automated Doppler flow velocity measurements for research and clinical practices. , 2014, , .		0
30	Calibration of echocardiographic tissue doppler velocity, using simple universally applicable methods. , 2014, , .		0
31	123â€¦Doppler assessment of aortic stenosis: reading the peak velocity is superior to velocity time integral. Heart, 2017, 103, A93-A93.	1.2	0
32	Numerical investigation of magnetic sensor for DNA hybridization detection using planar transformer. International Journal of Multiphysics, 2007, 1, 367-376.	0.3	0