

Mahdi Orooji

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7721374/publications.pdf>

Version: 2024-02-01

56
papers

1,128
citations

471061

17
h-index

414034

32
g-index

58
all docs

58
docs citations

58
times ranked

1240
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Communication Transmitter Design in Limited-Capacity Storage Regime. IEEE Transactions on Nanobioscience, 2023, 22, 212-222.	2.2	3
2	Texture appearance model, a new model-based segmentation paradigm, application on the segmentation of lung nodule in the CT scan of the chest. Computers in Biology and Medicine, 2022, 140, 105086.	3.9	17
3	Development of computer-aided model to differentiate COVID-19 from pulmonary edema in lung CT scan: EDECOVID-net. Computers in Biology and Medicine, 2022, 141, 105172.	3.9	9
4	Motion-compensated noninvasive periodontal health monitoring using handheld and motor-based photoacoustic-ultrasound imaging systems. Biomedical Optics Express, 2021, 12, 1543.	1.5	29
5	Distinguishing Adenocarcinomas from Granulomas in the CT scan of the chest: performance degradation evaluation in the automatic segmentation framework. BMC Research Notes, 2021, 14, 87.	0.6	2
6	Dental stem cell banking: Techniques and protocols. Cell Biology International, 2021, 45, 1851-1865.	1.4	9
7	TDMA-MTMR-Based Molecular Communication With Ligand-Binding Reception. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2021, 7, 111-116.	1.4	4
8	Severity and Progression Quantification of COVID-19 in CT Images: a new Deep-Learning Approach. , 2021, , .		3
9	Multiple-Type Transmission Multiple-Type Reception Framework on Molecular Communication. IEEE Wireless Communications Letters, 2020, 9, 1825-1829.	3.2	2
10	Segmentation of the pulmonary nodule and the attached vessels in the CT scan of the chest using morphological features and topological skeleton of the nodule. IET Image Processing, 2020, 14, 1520-1528.	1.4	4
11	Automatic Lung Segmentation in Computed Tomography Images Using Active Shape Model. , 2020, , .		7
12	Eigenspace-Based Minimum Variance Combined With Delay Multiply and Sum Beamformer: Application to Linear-Array Photoacoustic Imaging. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-8.	1.9	33
13	Automatic segmentation of Sperm's parts in microscopic images of human semen smears using concatenated learning approaches. Computers in Biology and Medicine, 2019, 109, 242-253.	3.9	16
14	Sparsity-based beamforming to enhance two-dimensional linear-array photoacoustic tomography. Ultrasonics, 2019, 96, 55-63.	2.1	7
15	Drug Release Management for Dynamic TDMA-Based Molecular Communication. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2019, 5, 233-246.	1.4	10
16	Perinodular and Intranodular Radiomic Features on Lung CT Images Distinguish Adenocarcinomas from Granulomas. Radiology, 2019, 290, 783-792.	3.6	226
17	Validation of delay \times multiply \times standard \times deviation weighting factor for improved photoacoustic imaging of sentinel lymph node. Journal of Biophotonics, 2019, 12, e201800292.	1.1	9
18	Delay-multiply-and-standard-deviation weighting factor improves image quality in linear-array photoacoustic tomography. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	An advanced sparsity-based photoacoustic image reconstruction algorithm for linear-array transducer scenario. , 2019, , .		0
20	Artifact reduction using minimum variance-based sparse subarray technique in linear-array photoacoustic tomography. , 2019, , .		0
21	Double-Stage Delay Multiply and Sum Beamforming Algorithm Applied to Ultrasound Medical Imaging. Ultrasound in Medicine and Biology, 2018, 44, 677-686.	0.7	65
22	Double-Stage Delay Multiply and Sum Beamforming Algorithm: Application to Linear-Array Photoacoustic Imaging. IEEE Transactions on Biomedical Engineering, 2018, 65, 31-42.	2.5	147
23	An Unsupervised and Supervised Combined Approach for White Blood Cells Segmentation. , 2018, , .		2
24	A Learning-Based Framework for the Automatic Segmentation of Human Sperm Head, Acrosome and Nucleus. , 2018, , .		5
25	Regularized Capon Beamformer Using ℓ_1 -Norm Applied to Photoacoustic Imaging. , 2018, , .		0
26	A Novel Dictionary-Based Image Reconstruction for Photoacoustic Computed Tomography. Applied Sciences (Switzerland), 2018, 8, 1570.	1.3	57
27	Quantitative vessel tortuosity: A potential CT imaging biomarker for distinguishing lung granulomas from adenocarcinomas. Scientific Reports, 2018, 8, 15290.	1.6	23
28	Photoacoustic image formation based on sparse regularization of minimum variance beamformer. Biomedical Optics Express, 2018, 9, 2544.	1.5	20
29	Linear-array photoacoustic imaging using minimum variance-based delay multiply and sum adaptive beamforming algorithm. Journal of Biomedical Optics, 2018, 23, 1.	1.4	90
30	Combination of computer extracted shape and texture features enables discrimination of granulomas from adenocarcinoma on chest computed tomography. Journal of Medical Imaging, 2018, 5, 1.	0.8	20
31	Model-based photoacoustic image reconstruction using compressed sensing and smoothed L0 norm. , 2018, , .		5
32	Three-dimensional photoacoustic tomography using delay multiply and sum beamforming algorithm. , 2018, , .		1
33	Eigenspace-based minimum variance adaptive beamformer combined with delay multiply and sum: experimental study. , 2018, , .		0
34	Brown adipose tissue does not seem to mediate metabolic adaptation to overfeeding in men. Obesity, 2017, 25, 502-505.	1.5	27
35	An integrated segmentation and shape-based classification scheme for distinguishing adenocarcinomas from granulomas on lung CT. Medical Physics, 2017, 44, 3556-3569.	1.6	37
36	Image enhancement and noise reduction using modified Delay-Multiply-and-Sum beamformer: Application to medical photoacoustic imaging. , 2017, , .		6

#	ARTICLE	IF	CITATIONS
37	Medical photoacoustic beamforming using minimum variance-based delay multiply and sum. Proceedings of SPIE, 2017, , .	0.8	10
38	Photoacoustic Imaging Using Combination of Eigenspace-Based Minimum Variance and Delay-Multiply-and-Sum Beamformers: Simulation Study. , 2017, , .		6
39	Intra-perinodular Textural Transition (Ipris): A 3D Descriptor for Nodule Diagnosis on Lung CT. Lecture Notes in Computer Science, 2017, , 647-655.	1.0	3
40	Co-clustering of diseases, genes, and drugs for identification of their related gene modules. , 2016, , .		0
41	Evaluation of bone regeneration potential of dental follicle stem cells for treatment of craniofacial defects. Cytotherapy, 2015, 17, 1572-1581.	0.3	56
42	Improving Detection Delay in Cognitive Radios Using Secondary-User Receiver Statistics. IEEE Transactions on Vehicular Technology, 2015, 64, 4041-4055.	3.9	16
43	A cluster-based key management framework for resource constraint networks. , 2014, , .		0
44	Spatially aware expectation maximization (SpAEM): application to prostate TRUS segmentation. Proceedings of SPIE, 2014, , .	0.8	0
45	Decentralized Hypothesis Testing in Wireless Sensor Networks in the Presence of Misbehaving Nodes. IEEE Transactions on Information Forensics and Security, 2013, 8, 205-215.	4.5	53
46	Improving the Sensing Throughput Tradeoff for Cognitive Radios in Rayleigh Fading Channels. IEEE Transactions on Vehicular Technology, 2013, 62, 2118-2130.	3.9	22
47	Spectrum Sensing Over MIMO Channels Using Generalized Likelihood Ratio Tests. IEEE Signal Processing Letters, 2013, 20, 439-442.	2.1	21
48	Evaluating the effects of co-channel interference in wireless networks. , 2013, , .		1
49	Performance analysis of spectrum monitoring for cognitive radios. , 2012, , .		4
50	Spectrum monitoring for cognitive radios in Rayleigh fading channel. , 2012, , .		1
51	Distributed detection in wireless sensor networks in the presence of misbehaving nodes. , 2012, , .		1
52	Blind Spectrum Sensing Using Antenna Arrays and Path Correlation. IEEE Transactions on Vehicular Technology, 2011, 60, 3758-3767.	3.9	22
53	Multi-Antenna Blind Spectrum Sensing for Cognitive Radios Using Path Correlations. , 2011, , .		4
54	Removing the GSC Noise Reduction deficiencies in Reverberant Environments by Proposing Joint AEC-GSC algorithm. , 2007, , .		4

#	ARTICLE	IF	CITATIONS
55	Proposing SVS-PNLMS algorithm for sparse echo cancellation. , 2007, , .		1
56	A simple algorithm to design irregular LDPC codes for finite length. , 2006, , .		1