

Mohammed Benjelloun

List of Publications by Year in descending order

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63
papers

642
citations

759055

12
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713332

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g-index

63
all docs

63
docs citations

63
times ranked

568
citing authors

#	ARTICLE	IF	CITATIONS
1	MRI Breast Tumor Segmentation Using Different Encoder and Decoder CNN Architectures. Computers, 2019, 8, 52.	2.1	69
2	Multi-input deep learning architecture for predicting breast tumor response to chemotherapy using quantitative MR images. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 1491-1500.	1.7	42
3	A Framework of Vertebra Segmentation Using the Active Shape Model-Based Approach. International Journal of Biomedical Imaging, 2011, 2011, 1-14.	3.0	38
4	Spine Localization in X-ray Images Using Interest Point Detection. Journal of Digital Imaging, 2009, 22, 309-318.	1.6	34
5	A recursive fusion filter for angular data. , 2009, , .		31
6	Vertebra identification using template matching modelmp and \$\$\$K-means clustering. International Journal of Computer Assisted Radiology and Surgery, 2014, 9, 177-187.	1.7	31
7	Heterogeneous Computing for Vertebra Detection and Segmentation in X-Ray Images. International Journal of Biomedical Imaging, 2011, 2011, 1-12.	3.0	29
8	Semi-automatic detection of cervical vertebrae in X-ray images using generalized hough transform. , 2012, , .		25
9	GPU-based segmentation of cervical vertebra in X-Ray images. , 2010, , .		24
10	Fully automatic vertebra detection in x-ray images based on multi-class SVM. Proceedings of SPIE, 2012, , .	0.8	23
11	Automated Breast Tumor Segmentation in DCE-MRI Using Deep Learning. , 2018, , .		22
12	Epileptic seizure detection using EEG signals and extreme gradient boosting. Journal of Biomedical Research, 2020, 34, 228.	0.7	21
13	A PRM approach for early prediction of breast cancer response to chemotherapy based on registered MR images. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 1233-1243.	1.7	19
14	X-ray image segmentation for vertebral mobility analysis. International Journal of Computer Assisted Radiology and Surgery, 2008, 2, 371-383.	1.7	16
15	Normalized GNSS Interference Pattern Technique for Altimetry. Sensors, 2014, 14, 10234-10257.	2.1	14
16	Correlation-based particle filter for 3D object tracking. Integrated Computer-Aided Engineering, 2009, 16, 165-177.	2.5	12
17	A k-Means Clustering Algorithm Initialization for Unsupervised Statistical Satellite Image Segmentation. , 2006, , .		11
18	Three-Dimensional Spine Model Reconstruction Using One-Class SVM Regularization. IEEE Transactions on Biomedical Engineering, 2013, 60, 3256-3264.	2.5	11

#	ARTICLE	IF	CITATIONS
19	Accurate Pseudorange Estimation by Means of Code and Phase Delay Integration: Application to GNSS-R Altimetry. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4854-4864.	2.3	11
20	Fast 3D Spine Reconstruction of Postoperative Patients Using a Multilevel Statistical Model. Lecture Notes in Computer Science, 2012, 15, 446-453.	1.0	11
21	Descriptive Image Feature for Object Detection in Medical Images. Lecture Notes in Computer Science, 2012, , 331-338.	1.0	10
22	Early prediction of neoadjuvant treatment outcome in locally advanced breast cancer using parametric response mapping and radial heterogeneity from breast MRI. Journal of Magnetic Resonance Imaging, 2020, 51, 1403-1411.	1.9	10
23	Towards Breast Cancer Response Prediction using Artificial Intelligence and Radiomics. , 2020, , .		9
24	Multilevel statistical shape models: A new framework for modeling hierarchical structures. , 2012, , .		8
25	Cervical spine mobility analysis on radiographs: A fully automatic approach. Computerized Medical Imaging and Graphics, 2012, 36, 634-642.	3.5	8
26	Analyzing breast tumor heterogeneity to predict the response to chemotherapy using 3D MR images registration. , 2017, , .		8
27	Cloud-Based Image Retrieval Using GPU Platforms. Computers, 2019, 8, 48.	2.1	7
28	Points of interest detection in cervical spine radiographs by polygonal approximation. , 2010, , .		6
29	Circular data processing tools applied to a Phase Open Loop architecture for multi-channels signals tracking. , 2012, , .		6
30	A Portable Multi-CPU/Multi-GPU Based Vertebra Localization in Sagittal MR Images. Lecture Notes in Computer Science, 2014, , 209-218.	1.0	6
31	Mobility Estimation and Analysis in Medical X-ray Images Using Corners and Faces Contours Detection. , 2007, , .		5
32	A New Approach for Cervical Vertebrae Segmentation. , 2007, , 753-762.		5
33	Deep Learning approach predicting breast tumor response to neoadjuvant treatment using DCE-MRI volumes acquired before and after chemotherapy. , 2019, , .		5
34	Development and external validation of a deep learning model for predicting response to HER2-targeted neoadjuvant therapy from pretreatment breast MRI.. Journal of Clinical Oncology, 2019, 37, 593-593.	0.8	5
35	Information Fusion in a Hybrid Tightly Coupled GPS/Dead-Reckoning Positioning System. , 2006, , .		4
36	Inertial navigation attitude velocity and position algorithms using quaternion Scaled Unscented Kalman filtering. , 2008, , .		4

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37	A recursive change point estimate of the wind speed and direction. , 2009, , .		4
38	A map matching algorithm based on a particle filter. , 2014, , .		4
39	Circular particle fusion filter applied to map matching. IET Intelligent Transport Systems, 2017, 11, 491-500.	1.7	4
40	Predict Breast Tumor Response to Chemotherapy Using a 3D Deep Learning Architecture Applied to DCE-MRI Data. Lecture Notes in Computer Science, 2019, , 33-40.	1.0	4
41	Corner Points Detection for Vertebral Mobility Analysis. , 2007, , .		3
42	Spine Localization and Vertebral Mobility Analysis Using Faces Contours Detection. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 6558-61.	0.5	3
43	Vehicle Localization Via Sensor Fusion Using Evidence Theory. Navigation, Journal of the Institute of Navigation, 2009, 56, 23-33.	1.7	3
44	A Texture Analysis Approach for Spine Metastasis Classification in T1 and T2 MRI. Lecture Notes in Computer Science, 2018, , 198-211.	1.0	3
45	A model-based vertebral segmentation method using GVF and ASM. , 2007, , .		2
46	Boosting Open-Source Database Engines with Graphics Processors. , 2012, , .		2
47	Estimation of a semi-physical GLBE model using dual EnKF learning algorithm coupled with a sensor network design strategy: Application to air field monitoring. Information Fusion, 2013, 14, 335-348.	11.7	2
48	Indoor localization by particle map matching. , 2016, , .		2
49	INVERSION OF A SEMI-PHYSICAL DISPERSION MODEL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 139-144.	0.4	1
50	Semi-physical neural modeling for linear signal restoration. Neural Networks, 2013, 38, 90-101.	3.3	1
51	Non-Linear Fusion of Observations Provided by Two Sensors. Entropy, 2013, 15, 2698-2715.	1.1	1
52	An IMM Filter Defined in the Linear-Circular Domain, Application to Maneuver Detection with Heading Only. Mathematical Problems in Engineering, 2018, 2018, 1-14.	0.6	1
53	GPU-based Acceleration of Methods based on Clock Matching Metric for Large Scale 3D Shape Retrieval. Scalable Computing, 2018, 19, .	0.7	1
54	Using Global Shape Descriptors for Content Medical-Based Image Retrieval. , 2013, , 492-502.		1

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55	3D STRUCTURE AND MOTION ESTIMATION FROM RANGE AND INTENSITY IMAGES USING PARTICLE FILTERING. International Journal of Image and Graphics, 2005, 05, 639-661.	1.2	0
56	Bayesian off-line segmentation applied to multi-carrier GPS signals fusion. , 2007, , .		0
57	Performance analysis of GPS/INS integrated system by using a non-linear mathematical model. , 2008, , .		0
58	Performance Analysis of GPS/INS Integrated System by Using a Non-Linear Mathematical Model. Lecture Notes in Electrical Engineering, 2009, , 3-14.	0.3	0
59	GNSS code and phase processing techniques in a ground-based mobile altimetry system. , 2012, , .		0
60	Calibration of the GNSS signal amplitudes in the Interference Pattern Technique for altimetry. , 2014, , .		0
61	High rate interference pattern technique applied to real time altimetry. , 2016, , .		0
62	Content-based 3D shape retrieval using deep learning approach. , 2018, , .		0
63	Semi-Automatic Vertebra Segmentation. , 0, , 110-124.		0