

Ilker Hacıhaliloglu

List of Publications by Year in descending order

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45
papers

907
citations

471061

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h-index

500791

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all docs

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46
times ranked

850
citing authors

#	ARTICLE	IF	CITATIONS
1	565: AUTOMATED IMAGE PROCESSING WITH POINT-OF-CARE OCULAR ULTRASOUND FOR REAL-TIME ICP MONITORING. <i>Critical Care Medicine</i> , 2022, 50, 274-274.	0.4	0
2	Validating a Semi-Automated Technique for Segmenting Femoral Articular Cartilage on Ultrasound Images. <i>Cartilage</i> , 2022, 13, 194760352210930.	1.4	6
3	Chest X-ray image phase features for improved diagnosis of COVID-19 using convolutional neural network. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 197-206.	1.7	45
4	Realistic Ultrasound Image Synthesis for Improved Classification of Liver Disease. <i>Lecture Notes in Computer Science</i> , 2021, , 179-188.	1.0	1
5	Time-aware deep neural networks for needle tip localization in 2D ultrasound. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 819-827.	1.7	13
6	The Rheology of the Carotid Sinus: A Path Toward Bioinspired Intervention. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 678048.	2.0	5
7	Liver disease classification from ultrasound using multi-scale CNN. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 1537-1548.	1.7	27
8	Multi-feature Multi-Scale CNN-Derived COVID-19 Classification from Lung Ultrasound Data. , 2021, 2021, 2618-2621.		8
9	Interventional imaging: Ultrasound. , 2020, , 701-720.		0
10	Bone shadow segmentation from ultrasound data for orthopedic surgery using GAN. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2020, 15, 1477-1485.	1.7	14
11	Real-time non-radiation-based navigation using 3D ultrasound for pedicle screw placement. <i>Spine Journal</i> , 2020, 20, S134-S135.	0.6	2
12	Robust real-time bone surfaces segmentation from ultrasound using a local phase tensor-guided CNN. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2020, 15, 1127-1135.	1.7	11
13	Learning to Segment Brain Anatomy From 2D Ultrasound With Less Data. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2020, 14, 1221-1234.	7.3	17
14	IJCARS - IPCAI 2020 special issue: 11th conference on information processing for computer-assisted interventions - part 1. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2020, 15, 737-738.	1.7	0
15	GAN-Based Realistic Bone Ultrasound Image and Label Synthesis for Improved Segmentation. <i>Lecture Notes in Computer Science</i> , 2020, , 795-804.	1.0	6
16	Improved Automatic Bone Segmentation Using Large-Scale Simulated Ultrasound Data to Segment Real Ultrasound Bone Surface Data. , 2020, , .		5
17	Robust Bone Shadow Segmentation from 2D Ultrasound Through Task Decomposition. <i>Lecture Notes in Computer Science</i> , 2020, , 805-814.	1.0	4
18	Unsupervised Domain Adaptation for Classification of Histopathology Whole-Slide Images. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 102.	2.0	50

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19	Knee-Cartilage Segmentation and Thickness Measurement from 2D Ultrasound. Journal of Imaging, 2019, 5, 43.	1.7	13
20	Learning needle tip localization from digital subtraction in 2D ultrasound. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 1017-1026.	1.7	22
21	Automatic segmentation of bone surfaces from ultrasound using a filter-layer-guided CNN. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 775-783.	1.7	39
22	Single Shot Needle Tip Localization in 2D Ultrasound. Lecture Notes in Computer Science, 2019, , 637-645.	1.0	9
23	Convolution neural networks for real-time needle detection and localization in 2D ultrasound. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 647-657.	1.7	46
24	Localization of Bone Surfaces from Ultrasound Data Using Local Phase Information and Signal Transmission Maps. Lecture Notes in Computer Science, 2018, , 1-11.	1.0	5
25	Signal attenuation maps for needle enhancement and localization in 2D ultrasound. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 363-374.	1.7	14
26	Simultaneous Segmentation and Classification of Bone Surfaces from Ultrasound Using a Multi-feature Guided CNN. Lecture Notes in Computer Science, 2018, , 134-142.	1.0	25
27	3D Ultrasound for Orthopedic Interventions. Advances in Experimental Medicine and Biology, 2018, 1093, 113-129.	0.8	3
28	Automatic real-time CNN-based neonatal brain ventricles segmentation. , 2018, , .		13
29	Enhancement and automated segmentation of ultrasound knee cartilage for early diagnosis of knee osteoarthritis. , 2018, , .		6
30	Adversarial Domain Adaptation forÂClassification of Prostate Histopathology Whole-Slide Images. Lecture Notes in Computer Science, 2018, 11071, 201-209.	1.0	69
31	Enhancement of bone shadow region using local phase-based ultrasound transmission maps. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 951-960.	1.7	19
32	A computationally efficient 3D/2D registration method based on image gradient direction probability density function. Neurocomputing, 2017, 229, 100-108.	3.5	14
33	Ultrasound imaging and segmentation of bone surfaces: A review. Technology, 2017, 05, 74-80.	1.4	42
34	Enhancement of Needle Tip and Shaft from 2D Ultrasound Using Signal Transmission Maps. Lecture Notes in Computer Science, 2016, , 362-369.	1.0	5
35	Fast and Accurate Data Extraction for Near Real-Time Registration of 3-D Ultrasound and Computed Tomography in Orthopedic Surgery. Ultrasound in Medicine and Biology, 2015, 41, 3194-3204.	0.7	4
36	Automatic extraction of bone surfaces from 3D ultrasound images in orthopaedic trauma cases. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 1279-1287.	1.7	13

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37	Bone enhancement in ultrasound using local spectrum variations for guiding percutaneous scaphoid fracture fixation procedures. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2015, 10, 959-969.	1.7	18
38	Local Phase Tensor Features for 3-D Ultrasound to Statistical Shape+Pose Spine Model Registration. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 2167-2179.	5.4	45
39	Volume-specific parameter optimization of 3D local phase features for improved extraction of bone surfaces in ultrasound. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2014, 10, 461-473.	1.2	12
40	Non-iterative partial view 3D ultrasound to CT registration in ultrasound-guided computer-assisted orthopedic surgery. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2013, 8, 157-168.	1.7	18
41	Statistical Shape Model to 3D Ultrasound Registration for Spine Interventions Using Enhanced Local Phase Features. <i>Lecture Notes in Computer Science</i> , 2013, 16, 361-368.	1.0	12
42	Automatic Bone Localization and Fracture Detection from Volumetric Ultrasound Images Using 3-D Local Phase Features. <i>Ultrasound in Medicine and Biology</i> , 2012, 38, 128-144.	0.7	37
43	Automatic Adaptive Parameterization in Local Phase Feature-Based Bone Segmentation in Ultrasound. <i>Ultrasound in Medicine and Biology</i> , 2011, 37, 1689-703.	0.7	23
44	Bone Surface Localization in Ultrasound Using Image Phase-Based Features. <i>Ultrasound in Medicine and Biology</i> , 2009, 35, 1475-1487.	0.7	121
45	Bone Segmentation and Fracture Detection in Ultrasound Using 3D Local Phase Features. <i>Lecture Notes in Computer Science</i> , 2008, 11, 287-295.	1.0	40