Yiqiang Zhan

List of Publications by Year
in descending order

38 papers	1,782 citations	516561 16 h-index	414303 32 g-index
39 all docs	39 docs citations	39 times ranked	1938 citing authors

#	Article	IF	Citations
1	Towards robust and effective shape modeling: Sparse shape composition. Medical Image Analysis, 2012, 16, 265-277.	7.0	242
2	Segmentation of prostate boundaries from ultrasound images using statistical shape model. IEEE Transactions on Medical Imaging, 2003, 22, 539-551.	5.4	213
3	Multi-Instance Deep Learning: Discover Discriminative Local Anatomies for Bodypart Recognition. IEEE Transactions on Medical Imaging, 2016, 35, 1332-1343.	5.4	184
4	Deformable segmentation of 3-D ultrasound prostate images using statistical texture matching method. IEEE Transactions on Medical Imaging, 2006, 25, 256-272.	5.4	173
5	Whole-Body PET/MR Imaging: Quantitative Evaluation of a Novel Model-Based MR Attenuation Correction Method Including Bone. Journal of Nuclear Medicine, 2015, 56, 1061-1066.	2.8	154
6	Deformable segmentation via sparse representation and dictionary learning. Medical Image Analysis, 2012, 16, 1385-1396.	7.0	140
7	Dixon Sequence with Superimposed Model-Based Bone Compartment Provides Highly Accurate PET/MR Attenuation Correction of the Brain. Journal of Nuclear Medicine, 2016, 57, 918-924.	2.8	76
8	Registering Histologic and MR Images of Prostate for Image-based Cancer Detection. Academic Radiology, 2007, 14, 1367-1381.	1.3	75
9	Design efficient support vector machine for fast classification. Pattern Recognition, 2005, 38, 157-161.	5.1	66
10	Targeted Prostate Biopsy Using Statistical Image Analysis. IEEE Transactions on Medical Imaging, 2007, 26, 779-788.	5.4	57
11	Robust Automatic Knee MR Slice Positioning Through Redundant and Hierarchical Anatomy Detection. IEEE Transactions on Medical Imaging, 2011, 30, 2087-2100.	5.4	45
12	Sparse shape composition: A new framework for shape prior modeling. , 2011, , .		43
13	Automated Segmentation of 3D US Prostate Images Using Statistical Texture-Based Matching Method. Lecture Notes in Computer Science, 2003, , 688-696.	1.0	40
14	Active Scheduling of Organ Detection and Segmentation in Whole-Body Medical Images. Lecture Notes in Computer Science, 2008, 11, 313-321.	1.0	39
15	Robust MR Spine Detection Using Hierarchical Learning and Local Articulated Model. Lecture Notes in Computer Science, 2012, 15, 141-148.	1.0	37
16	Bodypart Recognition Using Multi-stage Deep Learning. Lecture Notes in Computer Science, 2015, 24, 449-461.	1.0	24
17	Automatic Lumbar Spondylolisthesis<?Pub _newline ?>Measurement in CT Images. IEEE Transactions on Medical Imaging, 2016, 35, 1658-1669.	5.4	18
18	Cross Modality Deformable Segmentation Using Hierarchical Clustering and Learning. Lecture Notes in Computer Science, 2009, 12, 1033-1041.	1.0	17

#	Article	IF	Citations
19	An adaptive error penalization method for training an efficient and generalized SVM. Pattern Recognition, 2006, 39, 342-350.	5.1	16
20	Incremental Learning With Selective Memory (ILSM): Towards Fast Prostate Localization for Image Guided Radiotherapy. IEEE Transactions on Medical Imaging, 2014, 33, 518-534.	5.4	16
21	3D anatomical shape atlas construction using mesh quality preserved deformable models. Computer Vision and Image Understanding, 2013, 117, 1061-1071.	3.0	15
22	Modeling essential connections in obsessive–compulsive disorder patients using functional MRI. Brain and Behavior, 2020, 10, e01499.	1.0	11
23	Shape Prior Modeling Using Sparse Representation and Online Dictionary Learning. Lecture Notes in Computer Science, 2012, 15, 435-442.	1.0	11
24	Multi-Instance Multi-Stage Deep Learning for Medical Image Recognition. , 2017, , 83-104.		10
25	Registering Histological and MR Images of Prostate for Image-Based Cancer Detection. Lecture Notes in Computer Science, 2006, 9, 620-628.	1.0	10
26	Towards MR-Only Radiotherapy Treatment Planning: Synthetic CT Generation Using Multi-view Deep Convolutional Neural Networks. Lecture Notes in Computer Science, 2018, , 286-294.	1.0	8
27	Visual detection of regional brain hypometabolism in cognitively impaired patients is independent of positron emission tomography-magnetic resonance attenuation correction method. World Journal of Nuclear Medicine, 2018, 17, 188-194.	0.3	7
28	Redundancy, redundancy, redundancy. , 2010, , .		6
29	Mining anatomical, physiological and pathological information from medical images. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2012, 14, 25-34.	3.2	4
30	MR prostate segmentation via distributed discriminative dictionary (DDD) learning. , 2013, 2013, 868-871.		4
31	Incremental Learning with Selective Memory (ILSM): Towards Fast Prostate Localization for Image Guided Radiotherapy. Lecture Notes in Computer Science, 2013, 16, 378-386.	1.0	4
32	3D Anatomical Shape Atlas Construction Using Mesh Quality Preserved Deformable Models. Lecture Notes in Computer Science, 2012, , 12-21.	1.0	3
33	Auto-alignment of Knee MR Scout Scans through Redundant, Adaptive and Hierarchical Anatomy Detection. Lecture Notes in Computer Science, 2011, 22, 111-122.	1.0	3
34	Information Forests. , 2012, , .		2
35	A Steering Engine: Learning 3-D Anatomy Orientation Using Regression Forests. Lecture Notes in Computer Science, 2015, , 612-619.	1.0	2
36	ADAPTIVE SHAPE PRIOR MODELING VIA ONLINE DICTIONARY LEARNING. Series in Computer Vision, 2014, , 59-74.	0.1	1

#	ARTICLE	IF	CITATIONS
37	Efficient sparse shape composition with its applications in biomedical image analysis: An overview. , 2012, , .		0
38	Automatic lumbar spine measurement in CT images. , 2017, , .		0