Yiqiang Zhan

List of Publications by Year
in descending order

38	1,782	516561	414303
papers	citations	16	32
		h-index	g-index

39	39	39	1938
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modeling essential connections in obsessive–compulsive disorder patients using functional MRI. Brain and Behavior, 2020, 10, e01499.	1.0	11
2	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
3	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
4	Automatic lumbar spine measurement in CT images. , 2017, , .		0
5	Multi-Instance Multi-Stage Deep Learning for Medical Image Recognition. , 2017, , 83-104.		10
6	Automatic Lumbar Spondylolisthesis<?Pub _newline ?>Measurement in CT Images. IEEE Transactions on Medical Imaging, 2016, 35, 1658-1669.	5.4	18
7	Multi-Instance Deep Learning: Discover Discriminative Local Anatomies for Bodypart Recognition. IEEE Transactions on Medical Imaging, 2016, 35, 1332-1343.	5.4	184
8	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
9	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
10	Bodypart Recognition Using Multi-stage Deep Learning. Lecture Notes in Computer Science, 2015, 24, 449-461.	1.0	24
11	A Steering Engine: Learning 3-D Anatomy Orientation Using Regression Forests. Lecture Notes in Computer Science, 2015, , 612-619.	1.0	2
12	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
13	ADAPTIVE SHAPE PRIOR MODELING VIA ONLINE DICTIONARY LEARNING. Series in Computer Vision, 2014, , 59-74.	0.1	1
14	3D anatomical shape atlas construction using mesh quality preserved deformable models. Computer Vision and Image Understanding, 2013, 117, 1061-1071.	3.0	15
15	MR prostate segmentation via distributed discriminative dictionary (DDD) learning. , 2013, 2013, 868-871.		4
16	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
17	Efficient sparse shape composition with its applications in biomedical image analysis: An overview. , 2012, , .		0
18	3D Anatomical Shape Atlas Construction Using Mesh Quality Preserved Deformable Models. Lecture Notes in Computer Science, 2012, , 12-21.	1.0	3

#	Article	IF	Citations
19	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
20	Information Forests. , 2012, , .		2
21	Deformable segmentation via sparse representation and dictionary learning. Medical Image Analysis, 2012, 16, 1385-1396.	7.0	140
22	Towards robust and effective shape modeling: Sparse shape composition. Medical Image Analysis, 2012, 16, 265-277.	7.0	242
23	Robust MR Spine Detection Using Hierarchical Learning and Local Articulated Model. Lecture Notes in Computer Science, 2012, 15, 141-148.	1.0	37
24	Shape Prior Modeling Using Sparse Representation and Online Dictionary Learning. Lecture Notes in Computer Science, 2012, 15, 435-442.	1.0	11
25	Sparse shape composition: A new framework for shape prior modeling. , 2011, , .		43
26	Robust Automatic Knee MR Slice Positioning Through Redundant and Hierarchical Anatomy Detection. IEEE Transactions on Medical Imaging, 2011, 30, 2087-2100.	5.4	45
27	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
28	Redundancy, redundancy, redundancy. , 2010, , .		6
29	Cross Modality Deformable Segmentation Using Hierarchical Clustering and Learning. Lecture Notes in Computer Science, 2009, 12, 1033-1041.	1.0	17
30	Active Scheduling of Organ Detection and Segmentation in Whole-Body Medical Images. Lecture Notes in Computer Science, 2008, 11, 313-321.	1.0	39
31	Targeted Prostate Biopsy Using Statistical Image Analysis. IEEE Transactions on Medical Imaging, 2007, 26, 779-788.	5.4	57
32	Registering Histologic and MR Images of Prostate for Image-based Cancer Detection. Academic Radiology, 2007, 14, 1367-1381.	1.3	75
33	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
34	An adaptive error penalization method for training an efficient and generalized SVM. Pattern Recognition, 2006, 39, 342-350.	5.1	16
35	Registering Histological and MR Images of Prostate for Image-Based Cancer Detection. Lecture Notes in Computer Science, 2006, 9, 620-628.	1.0	10
36	Design efficient support vector machine for fast classification. Pattern Recognition, 2005, 38, 157-161.	5.1	66

#	ARTICLE	IF	CITATIONS
37	Segmentation of prostate boundaries from ultrasound images using statistical shape model. IEEE Transactions on Medical Imaging, 2003, 22, 539-551.	5.4	213
38	Automated Segmentation of 3D US Prostate Images Using Statistical Texture-Based Matching Method. Lecture Notes in Computer Science, 2003, , 688-696.	1.0	40