Ales Neubert

List of Publications by Year
in descending order

17	333	1163117 8	1058476 14
papers	citations	h-index	g-index

18	18	18	528
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Automated detection, 3D segmentation and analysis of high resolution spine MR images using statistical shape models. Physics in Medicine and Biology, 2012, 57, 8357-8376.	3.0	90
2	Evaluation and comparison of 3D intervertebral disc localization and segmentation methods for 3D T2 MR data: A grand challenge. Medical Image Analysis, 2017, 35, 327-344.	11.6	59
3	Automated segmentation and analysis of normal and osteoarthritic knee menisci from magnetic resonance images â€“ data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2014, 22, 1259-1270.	1.3	37
4	Comparison of 3D bone models of the knee joint derived from CT and 3T MR imaging. European Journal of Radiology, 2017, 93, 178-184.	2.6	29
5	Three-dimensional morphological and signal intensity features for detection of intervertebral disc degeneration from magnetic resonance images. Journal of the American Medical Informatics Association: JAMIA, 2013, 20, 1082-1090.	4.4	28
6	Validity and reliability of computerized measurement of lumbar intervertebral disc height and volume from magnetic resonance images. Spine Journal, 2014, 14, 2773-2781.	1.3	20
7	Automatic bone segmentation and bone-cartilage interface extraction for the shoulder joint from magnetic resonance images. Physics in Medicine and Biology, 2015, 60, 1441-1459.	3.0	19
8	Automated 3D Segmentation of Vertebral Bodies and Intervertebral Discs from MRI. , 2011, , .		16
9	A lightweight rapid application development framework for biomedical image analysis. Computer Methods and Programs in Biomedicine, 2018, 164, 193-205.	4.7	12
10	Automatic segmentation of the glenohumeral cartilages from magnetic resonance images. Medical Physics, 2016, 43, 5370-5379.	3.0	8
11	Constrained reverse diffusion for thick slice interpolation of 3D volumetric MRI images. Computerized Medical Imaging and Graphics, 2012, 36, 130-138.	5.8	6
12	Statistical shape model reconstruction with sparse anomalous deformations: Application to intervertebral disc herniation. Computerized Medical Imaging and Graphics, 2015, 46, 11-19.	5.8	4
13	Local contrastâ€enhanced <scp>MR</scp> images via high dynamic range processing. Magnetic Resonance in Medicine, 2018, 80, 1206-1218.	3.0	2
14	Morphology-Based Interslice Interpolation on Manual Segmentations of Joint Bones and Muscles in MRI. , 2012, , .		1
15	Automated analysis of immediate reliability of T2 and T2* relaxation times of hip joint cartilage from 3ÂT MR examinations. Magnetic Resonance Imaging, 2021, 82, 42-54.	1.8	1
16	Incremental shape learning of 3D surfaces of the knee, data from the osteoarthritis initiative. , 2016, , .		0
17	Automated Intervertebral Disc Segmentation Using Probabilistic Shape Estimation and Active Shape Models. Lecture Notes in Computer Science, 2016, , 150-158.	1.3	0