

Cai Meng

List of Publications by Year in descending order

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all docs

29
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29
times ranked

389
citing authors

#	ARTICLE	IF	CITATIONS
1	Incremental robust PCA for vessel segmentation in DSA sequences. Biomedical Physics and Engineering Express, 2022, , .	1.2	1
2	A Weakly Supervised Framework for 2D/3D Vascular Registration Oriented to Incomplete 2D Blood Vessels. IEEE Transactions on Medical Robotics and Bionics, 2022, 4, 381-390.	3.2	1
3	Robust Ellipse Fitting with an Auxiliary Normal. Lecture Notes in Computer Science, 2021, , 601-612.	1.3	0
4	Transfer Learning for Nonrigid 2D/3D Cardiovascular Images Registration. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3300-3309.	6.3	10
5	Multiscale dense convolutional neural network for DSA cerebrovascular segmentation. Neurocomputing, 2020, 373, 123-134.	5.9	38
6	Arc Adjacency Matrix-Based Fast Ellipse Detection. IEEE Transactions on Image Processing, 2020, 29, 4406-4420.	9.8	46
7	Subjective Saliency Model Driven by Multi-Cues Stimulus for Airport Detection. IEEE Access, 2019, 7, 32118-32127.	4.2	8
8	A fast X-corner detection method based on block-search strategy. Advances in Mechanical Engineering, 2019, 11, 168781401983414.	1.6	2
9	Rockâ€ring detection accuracy improvement in infrared satellite image with subâ€pixel edge detection. IET Image Processing, 2019, 13, 729-735.	2.5	7
10	2D-3D Registration With Weighted Local Mutual Information in Vascular Interventions. IEEE Access, 2019, 7, 162629-162638.	4.2	17
11	Deformable Cardiovascular Image Registration via Multi-Channel Convolutional Neural Network. IEEE Access, 2019, 7, 17524-17534.	4.2	16
12	Fast visionâ€based autonomous detection of moving cooperative target for unmanned aerial vehicle landing. Journal of Field Robotics, 2019, 36, 34-48.	6.0	18
13	Transfer Learning for Rigid 2D/3D Cardiovascular Images Registration. Lecture Notes in Computer Science, 2019, , 380-390.	1.3	3
14	A Review of Point Feature Based Medical Image Registration. Chinese Journal of Mechanical Engineering (English Edition), 2018, 31, .	3.7	32
15	Region Based CNN for Foreign Object Debris Detection on Airfield Pavement. Sensors, 2018, 18, 737.	3.8	47
16	Satellite Pose Estimation via Single Perspective Circle and Line. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 3084-3095.	4.7	43
17	Response Strategy to Environmental Cues for Modular Robots with Self-Assembly from Swarm to Articulated Robots. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 81, 359-376.	3.4	11
18	Monocular Position-Pose Measurement Based on Circular and Linear Features. , 2015, , .		7

#	ARTICLE	IF	CITATIONS
19	Finding splitting lines for touching cell nuclei with a shortest path algorithm. Computers in Biology and Medicine, 2015, 63, 277-286.	7.0	8
20	Improved best match search method in depth recovery with descent images. Machine Vision and Applications, 2015, 26, 251-266.	2.7	3
21	Statistical Classification Based Fast Drivable Region Detection for Indoor Mobile Robot. International Journal of Humanoid Robotics, 2014, 11, 1450010.	1.1	5
22	New method for geometric calibration and distortion correction of conventional C-arm. Computers in Biology and Medicine, 2014, 52, 49-56.	7.0	12
23	Homography-based depth recovery with descent images. Machine Vision and Applications, 2013, 24, 1093-1106.	2.7	8
24	A remote-controlled vascular interventional robot: system structure and image guidance. International Journal of Medical Robotics and Computer Assisted Surgery, 2013, 9, 230-239.	2.3	31
25	Self-Assembling for Swarm Modular Robots Using MIMO Fuzzy Control. Advances in Mechanical Engineering, 2013, 5, 598647.	1.6	5
26	Catheter localization for vascular interventional robot with conventional single C-arm. , 2011, , .		9
27	Visual marker localization in robot-assisted stereotactic neurosurgery. , 2011, , .		1
28	The Research of Global Correction for C-Arm X-Ray Image Based on Pin-Hole Model. , 2009, , .		2
29	Visual Model Based C-Arm System Calibration and Image Correction. , 2009, , .		5