

Xiaoyin Xu

List of Publications by Year in descending order

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44
all docs

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docs citations

44
times ranked

1327
citing authors

#	ARTICLE	IF	CITATIONS
1	A new framework of designing iterative techniques for image deblurring. Pattern Recognition, 2022, 124, 108463.	5.1	9
2	Cortical Morphometry Analysis Based on Worst Transportation Theory. Lecture Notes in Computer Science, 2021, 12729, 163-176.	1.0	0
3	A Comparative Retrospective Study of Immunotherapy RANO Versus Standard RANO Criteria in Glioblastoma Patients Receiving Immune Checkpoint Inhibitor Therapy. Frontiers in Oncology, 2021, 11, 679331.	1.3	4
4	Quantification of retinal blood leakage in fundus fluorescein angiography in a retinal angiogenesis model. Scientific Reports, 2021, 11, 19903.	1.6	7
5	Gland context networks: a novel approach for improving prostate cancer identification. Computerized Medical Imaging and Graphics, 2021, 94, 101999.	3.5	0
6	Cortical Surface Shape Analysis Based on Alexandrov Polyhedra. , 2021, 2021, 14224-14232.		0
7	A neural network approach to segment brain blood vessels in digital subtraction angiography. Computer Methods and Programs in Biomedicine, 2020, 185, 105159.	2.6	13
8	Deep Transfer Learning and Radiomics Feature Prediction of Survival of Patients with High-Grade Gliomas. American Journal of Neuroradiology, 2020, 41, 40-48.	1.2	73
9	Deep Learning Detection of Cancer Metastases to the Brain on MRI. Journal of Magnetic Resonance Imaging, 2020, 52, 1227-1236.	1.9	71
10	Quantitative assessment of pulmonary function in lymphangiomyomatosis patients using high-resolution computed tomography and pulmonary function tests. Journal of Thoracic Disease, 2020, 12, 6466-6475.	0.6	0
11	OTHR-13. A DEEP LEARNING APPROACH TO DETECT CANCER METASTASES TO THE BRAIN IN MRI. Neuro-Oncology Advances, 2019, 1, i20-i21.	0.4	0
12	A retrospective study analyzing missed diagnosis of lung metastases at their early stages on computed tomography. Journal of Thoracic Disease, 2019, 11, 3360-3368.	0.6	13
13	A new design in iterative image deblurring for improved robustness and performance. Pattern Recognition, 2019, 90, 134-146.	5.1	11
14	A neural network approach to analyze cross-sections of muscle fibers in pathological images. Computers in Biology and Medicine, 2019, 104, 97-104.	3.9	6
15	A Robust Parameter-Free Thresholding Method for Image Segmentation. IEEE Access, 2019, 7, 3448-3458.	2.6	19
16	A case report of primary anaplastic large cell lymphoma arising from the trachea. Translational Cancer Research, 2019, 8, 699-704.	0.4	2
17	LED Phototherapy with Gelatin Sponge Promotes Wound Healing in Mice. Photochemistry and Photobiology, 2018, 94, 179-185.	1.3	8
18	Using feature points and angles between them to recognise facial expression by a neural network approach. IET Image Processing, 2018, 12, 1951-1955.	1.4	5

#	ARTICLE	IF	CITATIONS
19	Optimized 3D stitching algorithm for whole body SPECT based on transition error minimization (TEM). , 2017, , .		0
20	Joint volumetric extraction and enhancement of vasculature from low-SNR 3-D fluorescence microscopy images. Pattern Recognition, 2017, 63, 710-718.	5.1	6
21	DICOM image quantification secondary capture (DICOM IQSC) integrated with numeric results, regions, and curves: implementation and applications in nuclear medicine. , 2017, , .		0
22	Estimation of Split Renal Function With 99mTc-DMSA SPECT: Comparison Between 3D Volumetric Assessment and 2D Coronal Projection Imaging. American Journal of Roentgenology, 2016, 207, 1324-1328.	1.0	11
23	A computational approach to detect and segment cytoplasm in muscle fiber images. Microscopy Research and Technique, 2015, 78, 508-518.	1.2	1
24	A novel method for identifying a graph-based representation of 3-D microvascular networks from fluorescence microscopy image stacks. Medical Image Analysis, 2015, 20, 208-223.	7.0	11
25	Automated high-content morphological analysis of muscle fiber histology. Computers in Biology and Medicine, 2015, 63, 28-35.	3.9	15
26	A New Iterative Triclass Thresholding Technique in Image Segmentation. IEEE Transactions on Image Processing, 2014, 23, 1038-1046.	6.0	118
27	An image processing approach to analyze morphological features of microscopic images of muscle fibers. Computerized Medical Imaging and Graphics, 2014, 38, 803-814.	3.5	5
28	Sensory-Related Neural Activity Regulates the Structure of Vascular Networks in the Cerebral Cortex. Neuron, 2014, 83, 1117-1130.	3.8	131
29	Options for tracking GFP-Labeled transplanted myoblasts using in vivofluorescence imaging: implications for tracking stem cell fate. BMC Biotechnology, 2014, 14, 55.	1.7	14
30	Computational techniques in zebrafish image processing and analysis. Journal of Neuroscience Methods, 2013, 213, 6-13.	1.3	11
31	Effective image noise removal based on difference eigenvalue. , 2011, , .		15
32	Automated analysis of zebrafish images for phenotypic changes in drug discovery. Journal of Neuroscience Methods, 2011, 200, 229-236.	1.3	16
33	Phenotypic analysis of images of zebrafish treated with Alzheimer's β -secretase inhibitors. BMC Biotechnology, 2010, 10, 24.	1.7	35
34	A High-Throughput Analysis Method to Detect Regions of Interest and Quantify Zebrafish Embryo Images. Journal of Biomolecular Screening, 2010, 15, 1152-1159.	2.6	19
35	In vivo Fluorescence Imaging of Muscle Cell Regeneration by Transplanted EGFP-labeled Myoblasts. Molecular Therapy, 2010, 18, 835-842.	3.7	29
36	Robust 3D reconstruction and identification of dendritic spines from optical microscopy imaging. Medical Image Analysis, 2009, 13, 167-179.	7.0	58

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37	Feature-based image analysis of zebrafish embryonic images. Proceedings of SPIE, 2009, , .	0.8	0
38	Using nonlinear diffusion and mean shift to detect and connect cross-sections of axons in 3D optical microscopy images. Medical Image Analysis, 2008, 12, 666-675.	7.0	23
39	Classification and Uncertainty Visualization of Dendritic Spines from Optical Microscopy Imaging. Computer Graphics Forum, 2008, 27, 879-886.	1.8	10
40	Repulsive force based snake model to segment and track neuronal axons in 3D microscopy image stacks. NeuroImage, 2006, 32, 1608-1620.	2.1	50
41	Optical microscopic image processing of dendritic spines morphology. IEEE Signal Processing Magazine, 2006, 23, 132-135.	4.6	10
42	Segment and track neurons in 3D by repulsive snake method. , 2005, , .		0
43	A computer-based system to analyze neuron images. , 0, , .		2
44	Shape-Constrained Repulsive Snake Method to Segment and Track Neurons in 3D Microscopy Images. , 0, , .		6