Baowei Fei

List of Publications by Year
in descending order

245 papers	7,845 citations	76031 42 h-index	68831 81 g-index
256 all docs	256 docs citations	256 times ranked	10156 citing authors

#	Article	IF	Citations
1	Band selection for oxygenation estimation with multispectral/hyperspectral imaging. Biomedical Optics Express, 2022, 13, 1224.	1.5	9
2	Brain tumor IDH, 1p/19q, and MGMT molecular classification using MRI-based deep learning: an initial study on the effect of motion and motion correction. Journal of Medical Imaging, 2022, 9, 016001.	0.8	2
3	LED-based hyperspectral endoscopic imaging. , 2022, , .		1
4	Deep learning-based deformable registration of dynamic contrast enhanced MR images of the kidney. , 2022, , .		1
5	Thyroid carcinoma detection on whole histologic slides using hyperspectral imaging and deep learning. , 2022, , .		2
6	Detecting aggressive papillary thyroid carcinoma using hyperspectral imaging and radiomic features. , 2022, , .		0
7	Placenta accreta spectrum and hysterectomy prediction using MRI radiomic features. , 2022, , .		0
8	Unsupervised super resolution network for hyperspectral histologic imaging. , 2022, , .		0
9	Automatic segmentation of uterine cavity and placenta on MR Images using deep learning. , 2022, , .		0
10	An augmented reality-assisted visualization system for potential applications in prostate biopsy. , 2022, , .		1
11	Automatic detection of head and neck squamous cell carcinoma on pathologic slides using polarized hyperspectral imaging and deep learning. , 2022, , .		1
12	A low-cost PVC-based dual-modality kidney phantom. , 2022, , .		0
13	Semi-automated three-dimensional segmentation for cardiac CT images using deep learning and randomly distributed points. , 2022, , .		0
14	Technical note: The effect of image annotation with minimal manual interaction for semiautomatic prostate segmentation in CT images using fully convolutional neural networks. Medical Physics, 2022, 49, 1153-1160.	1.6	2
15	Automatic detection of head and neck squamous cell carcinoma on histologic slides using hyperspectral microscopic imaging. Journal of Biomedical Optics, 2022, 27, .	1.4	7
16	Unsupervised super-resolution reconstruction of hyperspectral histology images for whole-slide imaging. Journal of Biomedical Optics, 2022, 27, .	1.4	3
17	Unsupervised super-resolution reconstruction of hyperspectral histology images for whole-slide imaging (Errata). Journal of Biomedical Optics, 2022, 27, .	1.4	0
18	Automatic detection of head and neck squamous cell carcinoma on histologic slides using hyperspectral microscopic imaging (Erratum). Journal of Biomedical Optics, 2022, 27, .	1.4	0

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19	Federated Learning for Brain Tumor Segmentation Using MRI and Transformers. Lecture Notes in Computer Science, 2022, , 444-454.	1.0	3
20	Comprehensive review of surgical microscopes: technology development and medical applications. Journal of Biomedical Optics, 2021, 26, .	1.4	52
21	Virtual reality assisted cardiac catheterization. , 2021, 11598, .		1
22	Hyperspectral microscopic imaging for head and neck squamous cell carcinoma detection in histologic images. , 2021, , .		6
23	Three-dimensional prostate CT segmentation through fine-tuning of a pre-trained neural network using no reference labeling. , 2021, , .		1
24	Pixel-level tumor margin assessment of surgical specimen in hyperspectral imaging and deep learning classification. , 2021, , .		5
25	GPU-based simulation of plane wave echocardiography with view-dependent speckle using optical ray tracing. , 2021, , .		0
26	Assessing reproducibility in magnetic resonance (MR) radiomics features between deep-learning segmented and expert manual segmented data and evaluating their diagnostic performance in pregnant women with suspected placenta accreta spectrum (PAS). , 2021, , .		1
27	Automatic segmentation of the prostate on MR images based on anatomy and deep learning. , 2021, , .		2
28	Automatic detection of head and neck squamous cell carcinoma on pathologic slides using polarized hyperspectral imaging and machine learning. , 2021, 11603, .		12
29	Computer-aided classification of lung nodules on CT images with expert knowledge. , 2021, , .		0
30	Multiparametric radiomics for predicting the aggressiveness of papillary thyroid carcinoma using hyperspectral images. , 2021, , .		2
31	Development of a real-time spectral imaging system using in-site micro-LED-based illumination and high-speed micro-camera for endoscopic applications. , 2021, , .		1
32	Liposome-Imipramine Blue Inhibits Sonic Hedgehog Medulloblastoma In Vivo. Cancers, 2021, 13, 1220.	1.7	8
33	MRI-Based Deep-Learning Method for Determining Glioma <i>MGMT</i> Promoter Methylation Status. American Journal of Neuroradiology, 2021, 42, 845-852.	1.2	53
34	Special Series Guest Editorial: Artificial Intelligence and Machine Learning in Biomedical Optics. Journal of Biomedical Optics, 2021, 26, .	1.4	2
35	The Contribution of Thoracic Radiation Dose Volumes to Subsequent Development of Cardiovascular Disease in Cancer Survivors. Journal of Cardiovascular Nursing, 2021, Publish Ahead of Print, .	0.6	1
36	Deep learning-based segmentation of the placenta and uterus on MR images. Journal of Medical Imaging, 2021, 8, 054001.	0.8	9

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37	Cross-Vendor CT Image Data Harmonization Using CVH-CT.. AMIA ... Annual Symposium proceedings, 2021, 2021, 1099-1108.	0.2	0
38	Phase Asymmetry Ultrasound Despeckling With Fractional Anisotropic Diffusion and Total Variation. IEEE Transactions on Image Processing, 2020, 29, 2845-2859.	6.0	22
39	228: Automated segmentation of the human placenta and uterus with MR imaging using artificial intelligence (AI). American Journal of Obstetrics and Gynecology, 2020, 222, S158-S159.	0.7	1
40	A novel fully automated MRI-based deep-learning method for classification of 1p/19q co-deletion status in brain gliomas. Neuro-Oncology Advances, 2020, 2, iv42-iv48.	0.4	25
41	Sequential vessel segmentation via deep channel attention network. Neural Networks, 2020, 128, 172-187.	3.3	32
42	Graphâ€convolutionalâ€networkâ€based interactive prostate segmentation in MR images. Medical Physics, 2020, 47, 4164-4176.	1.6	38
43	Hyperspectral Superpixel-Wise Glioblastoma Tumor Detection in Histological Samples. Applied Sciences (Switzerland), 2020, 10, 4448.	1.3	9
44	A multi-level similarity measure for the retrieval of the common CT imaging signs of lung diseases. Medical and Biological Engineering and Computing, 2020, 58, 1015-1029.	1.6	7
45	Hyperspectral Imaging for the Detection of Glioblastoma Tumor Cells in H&E Slides Using Convolutional Neural Networks. Sensors, 2020, 20, 1911.	2.1	53
46	Fully Automated Brain Tumor Segmentation and Survival Prediction of Gliomas Using Deep Learning and MRI. Lecture Notes in Computer Science, 2020, , 99-112.	1.0	3
47	Hyperspectral microscopic imaging for automatic detection of head and neck squamous cell carcinoma using histologic image and machine learning. , 2020, 11320, .		19
48	Augmented reality-assisted biopsy of soft tissue lesions. , 2020, 11315, .		7
49	Siamese neural networks for the classification of high-dimensional radiomic features. , 2020, 11314, .		3
50	In vivo cancer detection in animal model using hyperspectral image classification with wavelet feature extraction. , 2020, 11317, .		6
51	Abdominal muscle segmentation from CT using a convolutional neural network. , 2020, 11317, .		11
52	Segmentation of uterus and placenta in MR images using a fully convolutional neural network. , 2020, 11314, .		13
53	Conditional generative adversarial network for synthesizing hyperspectral images of breast cancer cells from digitized histology. , 2020, 11320, .		13
54	Tumor detection of the thyroid and salivary glands using hyperspectral imaging and deep learning. Biomedical Optics Express, 2020, 11, 1383.	1.5	53

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55	Hyperspectral and multispectral imaging in digital and computational pathology: a systematic review [Invited]. Biomedical Optics Express, 2020, 11, 3195.	1.5	85
56	A Fully Automated Deep Learning Network for Brain Tumor Segmentation. Tomography, 2020, 6, 186-193.	0.8	50
57	Image guided mitral valve replacement: registration of 3D ultrasound and 2D x-ray images. , 2020, 11315, .		2
58	Multidimensional and Multiresolution Ensemble Networks for Brain Tumor Segmentation. Lecture Notes in Computer Science, 2020, , 148-157.	1.0	3
59	Development of a new polarized hyperspectral imaging microscope. , 2020, 11213, .		4
60	Development of a polarized hyperspectral microscope for cardiac fiber orientation imaging. , 2020, 11215, .		0
61	Fully automated segmentation of the right ventricle in patients with repaired Tetralogy of Fallot using U-Net. , 2020, 11317, .		3
62	Hyperspectral imaging and deep learning for the detection of breast cancer cells in digitized histological images. , 2020, 11320, .		23
63	Using a 22-layer U-Net to perform segmentation of squamous cell carcinoma on digitized head and neck histological images. , 2020, 11320, .		6
64	Augmented reality visualization of hyperspectral imaging classifications for image-guided brain tumor resection. , 2020, 11315, .		3
65	A complex dual-modality kidney phantom for renal biopsy studies. , 2020, 11319, .		2
66	Incorporating minimal user input into deep learning based image segmentation. , 2020, 11313, .		3
67	Renal biopsy under augmented reality guidance. , 2020, 11315, .		5
68	STAN-CT: Standardizing CT Image using Generative Adversarial Networks. AMIA … Annual Symposium proceedings, 2020, 2020, 1100-1109.	0.2	2
69	Head and Neck Cancer Detection in Digitized Whole-Slide Histology Using Convolutional Neural Networks. Scientific Reports, 2019, 9, 14043.	1.6	66
70	Hyperspectral Imaging of Head and Neck Squamous Cell Carcinoma for Cancer Margin Detection in Surgical Specimens from 102 Patients Using Deep Learning. Cancers, 2019, 11, 1367.	1.7	71
71	In-Vivo and Ex-Vivo Tissue Analysis through Hyperspectral Imaging Techniques: Revealing the Invisible Features of Cancer. Cancers, 2019, 11, 756.	1.7	132
72	Deep Learning-Based Framework for In Vivo Identification of Glioblastoma Tumor using Hyperspectral Images of Human Brain. Sensors, 2019, 19, 920.	2.1	104

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73	^{18}F-Fluciclovine Parameters on Targeted Prostate Biopsy Associated with True Positivity in Recurrent Prostate Cancer. Journal of Nuclear Medicine, 2019, 60, 1531-1536.	2.8	13
74	Radiomics analysis of MRI for predicting molecular subtypes of breast cancer in young women. , 2019, 10950, .		1
75	Adaptive deep learning for head and neck cancer detection using hyperspectral imaging. Visual Computing for Industry, Biomedicine, and Art, 2019, 2, 18.	2.2	23
76	Histopathology Feature Mining and Association with Hyperspectral Imaging for the Detection of Squamous Neoplasia. Scientific Reports, 2019, 9, 17863.	1.6	13
77	Accurate vessel extraction via tensor completion of background layer in X-ray coronary angiograms. Pattern Recognition, 2019, 87, 38-54.	5.1	29
78	Hyperspectral imaging in medical applications. Data Handling in Science and Technology, 2019, , 523-565.	3.1	55
79	Feasibility and Initial Results: Fluciclovine Positron Emission Tomography/Ultrasound Fusion Targeted Biopsy of Recurrent Prostate Cancer. Journal of Urology, 2019, 202, 413-421.	0.2	12
80	Optical biopsy of head and neck cancer using hyperspectral imaging and convolutional neural networks. Journal of Biomedical Optics, 2019, 24, 1.	1.4	61
81	Deep learning-based three-dimensional segmentation of the prostate on computed tomography images. Journal of Medical Imaging, 2019, 6, 1.	0.8	6
82	Hyperspectral imaging for head and neck cancer detection: specular glare and variance of the tumor margin in surgical specimens. Journal of Medical Imaging, 2019, 6, 1.	0.8	25
83	Classification of brain tumor isocitrate dehydrogenase status using MRI and deep learning. Journal of Medical Imaging, 2019, 6, 1.	0.8	23
84	Deep 3D convolutional neural networks for fast super-resolution ultrasound imaging. , 2019, 10955, .		9
85	A semiautomatic approach for prostate segmentation in MR images using local texture classification and statistical shape modeling. , 2019, 10951, .		2
86	Surgical aid visualization system for glioblastoma tumor identification based on deep learning and in-vivo hyperspectral images of human patients. , 2019, 10951, .		18
87	Cancer detection using hyperspectral imaging and evaluation of the superficial tumor margin variance with depth. , 2019, 10951, .		8
88	Detection of squamous cell carcinoma in digitized histological images from the head and neck using convolutional neural networks. , 2019, 10956, .		4
89	Imaging technologies for cardiac fiber and heart failure: a review. Heart Failure Reviews, 2018, 23, 273-289.	1.7	26
90	A semiautomatic segmentation method for prostate in CT images using local texture classification and statistical shape modeling. Medical Physics, 2018, 45, 2527-2541.	1.6	17

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91	Prospective evaluation of fluciclovine (18 F) PET-CT and MRI in detection of recurrent prostate cancer in non-prostatectomy patients. European Journal of Radiology, 2018, 102, 1-8.	1.2	32
92	Ultrasound Imaging Technologies for Breast Cancer Detection and Management: A Review. Ultrasound in Medicine and Biology, 2018, 44, 37-70.	0.7	274
93	Detection and delineation of squamous neoplasia with hyperspectral imaging in a mouse model of tongue carcinogenesis. Journal of Biophotonics, 2018, 11, e201700078.	1.1	29
94	Heart chamber segmentation from CT using convolutional neural networks. , 2018, 10578, .		23
95	Tumor margin classification of head and neck cancer using hyperspectral imaging and convolutional neural networks. , 2018, 10576, .		27
96	Optical biopsy of head and neck cancer using hyperspectral imaging and convolutional neural networks. , 2018, 10469, .		19
97	Convolutional neural networks for the detection of diseased hearts using CT images and left atrium patches. , 2018, 10575, .		10
98	Progression of Medial Arterial Calcification in CKD. Kidney International Reports, 2018, 3, 1328-1335.	0.4	28
99	Selective modification of fluciclovine (18F) transport in prostate carcinoma xenografts. Amino Acids, 2018, 50, 1301-1305.	1.2	0
100	PSNet: prostate segmentation on MRI based on a convolutional neural network. Journal of Medical Imaging, 2018, 5, 1.	0.8	74
101	Domain and task specific multispectral band selection (Conference Presentation). , 2018, , .		1
102	A semiautomatic algorithm for three-dimensional segmentation of the prostate on CT images using shape and local texture characteristics. , 2018, 10576, .		6
103	Ultrasound segmentation of rat hearts using a convolution neural network. , 2018, 10580, .		2
104	Deformable registration of histological cancer margins to gross hyperspectral images using demons. , 2018, 10581, .		7
105	Front Matter: Volume 10576. , 2018, , .		1
106	MULTI-MODALITY IMAGING (MRI, PET, AND ULTRASOUND) AND FUSION TARGETED BIOPSY OF THE PROSTATE. , 2018, , 175-200.		0
107	Learning with distribution of optimized features for recognizing common CT imaging signs of lung diseases. Physics in Medicine and Biology, 2017, 62, 612-632.	1.6	3
108	Tumor margin assessment of surgical tissue specimen of cancer patients using label-free hyperspectral imaging. , 2017, 10054, .		9

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109	Deep convolutional neural network for prostate MR segmentation. Proceedings of SPIE, 2017, , .	0.8	13
110	Automatic segmentation of the prostate on CT images using deep learning and multi-atlas fusion. Proceedings of SPIE, 2017, 10133, .	0.8	28
111	Molecular imaging and fusion targeted biopsy of the prostate. Clinical and Translational Imaging, 2017, 5, 29-43.	1.1	12
112	Detection of Head and Neck Cancer in Surgical Specimens Using Quantitative Hyperspectral Imaging. Clinical Cancer Research, 2017, 23, 5426-5436.	3.2	91
113	PET Molecular Imagingâ€"Directed Biopsy: A Review. American Journal of Roentgenology, 2017, 209, 255-269.	1.0	34
114	A Monte Carlo model for mean glandular dose evaluation in spot compression mammography. Medical Physics, 2017, 44, 3848-3860.	1.6	24
115	Estimating cardiac fiber orientations in pig hearts using registered ultrasound and MR image volumes. , 2017, 10139, .		1
116	A new method to quantify fiber orientation similarity in registered volumes. Proceedings of SPIE, 2017, 10136, .	0.8	0
117	Deep learning based classification for head and neck cancer detection with hyperspectral imaging in an animal model. Proceedings of SPIE, 2017, 10137, .	0.8	14
118	A supervoxelâ€based segmentation method for prostate MR images. Medical Physics, 2017, 44, 558-569.	1.6	24
119	Computer-aided diagnosis of prostate cancer with MRI. Current Opinion in Biomedical Engineering, 2017, 3, 20-27.	1.8	28
120	A combined learning algorithm for prostate segmentation on 3D <scp>CT</scp> images. Medical Physics, 2017, 44, 5768-5781.	1.6	15
121	MP18-08 COMPARISON OF FLUCICLOVINE (18F) PET-CT AND MRI IN DETECTION OF RECURRENT PROSTATE CANCER. Journal of Urology, 2017, 197, .	0.2	0
122	Deep convolutional neural networks for classifying head and neck cancer using hyperspectral imaging. Journal of Biomedical Optics, 2017, 22, 060503.	1.4	165
123	Label-free hyperspectral imaging and quantification methods for surgical margin assessment of tissue specimens of cancer patients. , 2017, 2017, 4041-4045.		13
124	Micro-Droplet Detection Method for Measuring the Concentration of Alkaline Phosphatase-Labeled Nanoparticles in Fluorescence Microscopy. Sensors, 2017, 17, 2685.	2.1	5
125	Label-free reflectance hyperspectral imaging for tumor margin assessment: a pilot study on surgical specimens of cancer patients. Journal of Biomedical Optics, 2017, 22, 1.	1.4	95
126	A random walkâ€based segmentation framework for 3D ultrasound images of the prostate. Medical Physics, 2017, 44, 5128-5142.	1.6	4

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127	Potential Application of Radiomics for Differentiating Solitary Pulmonary Nodules. OMICS Journal of Radiology, 2016, 05, .	0.0	11
128	Hyperspectral imaging of neoplastic progression in a mouse model of oral carcinogenesis. Proceedings of SPIE, 2016, 9788, .	0.8	16
129	Determining cardiac fiber orientation using FSL and registered ultrasound/DTI volumes. , 2016, 9790, .		3
130	Computer-aided Detection of Prostate Cancer with MRI. Academic Radiology, 2016, 23, 1024-1046.	1.3	49
131	Superpixel-based spectral classification for the detection of head and neck cancer with hyperspectral imaging. Proceedings of SPIE, 2016, 9788, .	0.8	17
132	Quantitative diagnosis of tongue cancer from histological images in an animal model. Proceedings of SPIE, 2016, 9791, .	0.8	4
133	Combining population and patient-specific characteristics for prostate segmentation on 3D CT images. , 2016, 9784, .		8
134	Superpixel-Based Segmentation for 3D Prostate MR Images. IEEE Transactions on Medical Imaging, 2016, 35, 791-801.	5.4	119
135	Random walk based segmentation for the prostate on 3D transrectal ultrasound images. Proceedings of SPIE, 2016, 9786, .	0.8	1
136	A Minimum Spanning Forest-Based Method for Noninvasive Cancer Detection With Hyperspectral Imaging. IEEE Transactions on Biomedical Engineering, 2016, 63, 653-663.	2.5	84
137	A minimum spanning forest based classification method for dedicated breast CT images. Medical Physics, 2015, 42, 6190-6202.	1.6	3
138	DTI template-based estimation of cardiac fiber orientations from 3D ultrasound. Medical Physics, 2015, 42, 2915-2924.	1.6	7
139	Simulating cardiac ultrasound image based on MR diffusion tensor imaging. Medical Physics, 2015, 42, 5144-5156.	1.6	5
140	3D<i>in vivo</i>imaging of rat hearts by high frequency ultrasound and its application in myofiber orientation wrapping. Proceedings of SPIE, 2015, 9419, .	0.8	3
141	Quantitative wavelength analysis and image classification for intraoperative cancer diagnosis with hyperspectral imaging. Proceedings of SPIE, 2015, 9415, .	0.8	16
142	Register cardiac fiber orientations from 3D DTI volume to 2D ultrasound image of rat hearts. Proceedings of SPIE, 2015, 9415, .	0.8	2
143	Framework for hyperspectral image processing and quantification for cancer detection during animal tumor surgery. Journal of Biomedical Optics, 2015, 20, 126012.	1.4	44
144	Estimation of tissue optical parameters with hyperspectral imaging and spectral unmixing. Proceedings of SPIE, 2015, 9417, .	0.8	11

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145	A supervoxel-based segmentation method for prostate MR images. Proceedings of SPIE, 2015, 9413, .	0.8	9
146	A fully automatic multi-atlas based segmentation method for prostate MR images. Proceedings of SPIE, 2015, 9413, .	0.8	11
147	Measuring myofiber orientations from high-frequency ultrasound images using multiscale decompositions. Physics in Medicine and Biology, 2014, 59, 3907-3924.	1.6	19
148	Metformin Beyond Diabetes: Pleiotropic Benefits of Metformin in Attenuation of Atherosclerosis. Journal of the American Heart Association, 2014, 3, e001202.	1.6	100
149	Spectral-spatial classification using tensor modeling for cancer detection with hyperspectral imaging. , 2014, 9034, 903413.		34
150	Breast tissue classification in digital tomosynthesis images based on global gradient minimization and texture features. Proceedings of SPIE, 2014, 9034, 90341V.	0.8	14
151	Hyperspectral imaging for cancer surgical margin delineation: registration of hyperspectral and histological images. , 2014, 9036, 90360S.		41
152	A minimum spanning forest based hyperspectral image classification method for cancerous tissue detection. Proceedings of SPIE, 2014, 9034, 90341W.	0.8	17
153	Mapping cardiac fiber orientations from high-resolution DTI to high-frequency 3D ultrasound. , 2014, 9036, 90361O.		13
154	Spectral-spatial classification for noninvasive cancer detection using hyperspectral imaging. Journal of Biomedical Optics, 2014, 19, 106004.	1.4	83
155	Medical hyperspectral imaging: a review. Journal of Biomedical Optics, 2014, 19, 010901.	1.4	1,494
156	Breast tomosynthesis with monochromatic beams: a feasibility study using Monte Carlo simulations. Physics in Medicine and Biology, 2014, 59, 4681-4696.	1.6	9
157	A robust and accurate center-frequency estimation (RACE) algorithm for improving motion estimation performance of SinMod on tagged cardiac MR images without known tagging parameters. Magnetic Resonance Imaging, 2014, 32, 1139-1155.	1.0	6
158	Targeted Iron-Oxide Nanoparticle for Photodynamic Therapy and Imaging of Head and Neck Cancer. ACS Nano, 2014, 8, 6620-6632.	7.3	120
159	Abstract 3223: EGFR targeted iron-oxide nanoparticles for photodynamic therapy in head and neck cancer. , 2014, , .		1
160	Ferritin Nanocages To Encapsulate and Deliver Photosensitizers for Efficient Photodynamic Therapy against Cancer. ACS Nano, 2013, 7, 6988-6996.	7.3	246
161	Automatic segmentation of right ventricular ultrasound images using sparse matrix transform and a level set. Physics in Medicine and Biology, 2013, 58, 7609-7624.	1.6	32
162	Multiscale segmentation of the skull in MR images for MRI-based attenuation correction of combined MR/PET. Journal of the American Medical Informatics Association: JAMIA, 2013, 20, 1037-1045.	2.2	25

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163	Automatic segmentation of right ventricle on ultrasound images using sparse matrix transform and level set. , 2013, 8669, .		12
164	Accuracy evaluation of a 3D ultrasound-guided biopsy system. Proceedings of SPIE, 2013, 8671, .	0.8	4
165	Extracting cardiac myofiber orientations from high frequency ultrasound images. , 2013, 8675, .		12
166	Biodistribution study of nanoparticle encapsulated photodynamic therapy drugs using multispectral imaging. , 2013, 8672, .		9
167	Nonrigid point registration for 2D curves and 3D surfaces and its various applications. Physics in Medicine and Biology, 2013, 58, 4315-4330.	1.6	15
168	Power spectrum analysis of the x‑ray scatter signal in mammography and breast tomosynthesis projections. Medical Physics, 2013, 40, 101905.	1.6	13
169	WE-G-103-05: Spatial Frequency Characterization of the X-Ray Scatter Signal in Breast Imaging. Medical Physics, 2013, 40, 510-510.	1.6	0
170	Characterization of primary prostate carcinoma by anti-1-amino-2-[(18)F]-fluorocyclobutane-1-carboxylic acid (anti-3-[(18)F] FACBC) uptake. American Journal of Nuclear Medicine and Molecular Imaging, 2013, 3, 85-96.	1.0	63
171	PET-directed, 3D Ultrasound-guided prostate biopsy. Diagnostic Imaging Europe, 2013, 29, 12-15.	0.0	12
172	Detection of cancer metastasis using a novel macroscopic hyperspectral method. Proceedings of SPIE, 2012, 8317, 831711.	0.8	45
173	Hyperspectral imaging and quantitative analysis for prostate cancer detection. Journal of Biomedical Optics, 2012, 17, 0760051.	1.4	199
174	Cupping artifact correction and automated classification for high‑resolution dedicated breast CT images. Medical Physics, 2012, 39, 6397-6406.	1.6	49
175	MR/PET quantification tools: Registration, segmentation, classification, and MR‑based attenuation correction. Medical Physics, 2012, 39, 6443-6454.	1.6	44
176	Automatic 3D segmentation of the kidney in MR images using wavelet feature extraction and probability shape model. Proceedings of SPIE, 2012, 8314, 83143D.	0.8	4
177	3D prostate segmentation of ultrasound images combining longitudinal image registration and machine learning. Proceedings of SPIE, 2012, 8316, 83162O.	0.8	33
178	A molecular image-directed, 3D ultrasound-guided biopsy system for the prostate. Proceedings of SPIE, 2012, 2012, .	0.8	19
179	Nonrigid registration and classification of the kidneys in 3D dynamic contrast enhanced (DCE) MR images. Proceedings of SPIE, 2012, 8314, 83140B.	0.8	22
180	3D ultrasound image segmentation using wavelet support vector machines. Medical Physics, 2012, 39, 2972-2984.	1.6	42

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181	Hyperspectral imaging and spectral-spatial classification for cancer detection. , 2012, , .		13
182	Assessment of Coronary Artery Calcium Using Dual-Energy Subtraction Digital Radiography. Journal of Digital Imaging, 2012, 25, 129-136.	1.6	14
183	MOâ€Fâ€213CDâ€08: Characterization of the Homogeneous Breast Tissue Mixture Approximation for Breast Image Dosimetry. Medical Physics, 2012, 39, 3878-3878.	1.6	1
184	TU-A-BRA-02: Incorporating PET/CT Images into 3D Ultrasound-Guided Biopsy of the Prostate. Medical Physics, 2012, 39, 3888-3888.	1.6	6
185	Characterization of the homogeneous tissue mixture approximation in breast imaging dosimetry. Medical Physics, 2012, 39, 5050-5059.	1.6	68
186	A MR Brain Classification Method Based on Multiscale and Multiblock Fuzzy C-Means. , 2011, , 1-4.		5
187	An MR image-guided, voxel-based partial volume correction method for PET images. Medical Physics, 2011, 39, 179-194.	1.6	39
188	A wavelet multiscale denoising algorithm for magnetic resonance (MR) images. Measurement Science and Technology, 2011, 22, 025803.	1.4	49
189	A multiscale and multiblock fuzzy C-means classification method for brain MR images. Medical Physics, 2011, 38, 2879-2891.	1.6	56
190	Automatic 3D segmentation of ultrasound images using atlas registration and statistical texture prior. , 2011, 7964, .		25
191	3D segmentation of prostate ultrasound images using wavelet transform. Proceedings of SPIE, 2011, 7962, 79622K.	0.8	19
192	Automatic tissue classification for high-resolution breast CT images based on bilateral filtering. , 2011, 7962, 79623H.		21
193	3D non-rigid registration using surface and local salient features for transrectal ultrasound image-guided prostate biopsy. Proceedings of SPIE, 2011, 7964, 79642V.	0.8	24
194	A PET/CT Directed, 3D Ultrasound-Guided Biopsy System for Prostate Cancer. Lecture Notes in Computer Science, 2011, 6363, 100-108.	1.0	10
195	Diffusionâ€weighted MRI for monitoring tumor response to photodynamic therapy. Journal of Magnetic Resonance Imaging, 2010, 32, 409-417.	1.9	28
196	Choline PET for Monitoring Early Tumor Response to Photodynamic Therapy. Journal of Nuclear Medicine, 2010, 51, 130-138.	2.8	29
197	A skull segmentation method for brain MR images based on multiscale bilateral filtering scheme. Proceedings of SPIE, 2010, , .	0.8	9
198	Kinematic calibration of a parallel robot for small animal biopsies. , 2009, , .		8

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199	Choline molecular imaging with small-animal PET for monitoring tumor cellular response to photodynamic therapy of cancer. , 2009, 7262, 726211.		3
200	An MRI-based attenuation correction method for combined PET/MRI applications. , 2009, 7262, .		8
201	An MRI-guided PET partial volume correction method. , 2009, 7259, .		0
202	A minimal path searching approach for active shape model (ASM)-based segmentation of the lung. Proceedings of SPIE, 2009, 7259, .	0.8	5
203	A modified fuzzy C-means classification method using a multiscale diffusion filtering scheme. Medical Image Analysis, 2009, 13, 193-202.	7.0	98
204	Highly Efficient Drug Delivery with Gold Nanoparticle Vectors for <i>in Vivo</i> Photodynamic Therapy of Cancer. Journal of the American Chemical Society, 2008, 130, 10643-10647.	6.6	682
205	Gaussian weighted projection for visualization of cardiac calcification. Proceedings of SPIE, 2008, 6918, .	0.8	1
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