

Wenli Cai

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

1,437
citations

394421

19
h-index

345221

36
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83
all docs

83
docs citations

83
times ranked

1809
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiomics Analysis of Gd-EOB-DTPA Enhanced Hepatic MRI for Assessment of Functional Liver Reserve. Academic Radiology, 2022, 29, 213-218.	2.5	8
2	Loss of NEIL3 activates radiotherapy resistance in the progression of prostate cancer. Cancer Biology and Medicine, 2022, 19, 1193-1210.	3.0	12
3	Change in Humeral Anchor Position Significantly Affects Isometry in UCL Repair: A 3-Dimensional Computer Modeling Study. Journal of Shoulder and Elbow Surgery, 2022, , .	2.6	0
4	Risk stratification of thymic epithelial tumors by using a nomogram combined with radiomic features and TNM staging. European Radiology, 2021, 31, 423-435.	4.5	12
5	DINs: Deep Interactive Networks for Neurofibroma Segmentation in Neurofibromatosis Type 1 on Whole-Body MRI. IEEE Journal of Biomedical and Health Informatics, 2021, PP, 1-1.	6.3	1
6	Deep-Cleansing: Deep-Learning Based Electronic Cleansing in Dual-Energy CT Colonography. Lecture Notes in Computer Science, 2021, , 43-53.	1.3	0
7	Dual-Energy Computed Tomography Virtual Noncalcium Imaging for the Detection of Acute Bone Marrow Edema in Vertebrae: Qualitative and Quantitative Analysis. Journal of Medical Imaging and Health Informatics, 2021, 11, 752-759.	0.3	1
8	B7 score and T cell infiltration stratify immune status in prostate cancer. , 2021, 9, e002455.		16
9	A comparative study of effective atomic number calculations for dual-energy CT. Medical Physics, 2021, 48, 5908-5923.	3.0	3
10	Role of 3D Volumetric and Perfusion Imaging for Detecting Early Changes in Pancreatic Adenocarcinoma. Frontiers in Oncology, 2021, 11, 678617.	2.8	3
11	NIMG-08. A MULTI-CENTER RADIOMICS-BASED MODEL TO DIFFERENTIATE BETWEEN NEUROFIBROMATOSIS TYPE 1-ASSOCIATED PLEXIFORM NEUROFIBROMAS AND MALIGNANT PERIPHERAL NERVE SHEATH TUMORS. Neuro-Oncology, 2021, 23, vi128-vi129.	1.2	0
12	Exploring the Interobserver Agreement in Computer-Aided Radiologic Tumor Measurement and Evaluation of Tumor Response. Frontiers in Oncology, 2021, 11, 691638.	2.8	0
13	CT Quantification and Machine-learning Models for Assessment of Disease Severity and Prognosis of COVID-19 Patients. Academic Radiology, 2020, 27, 1665-1678.	2.5	74
14	Immune Cytolytic Activity as an Indicator of Immune Checkpoint Inhibitors Treatment for Prostate Cancer. Frontiers in Bioengineering and Biotechnology, 2020, 8, 930.	4.1	17
15	Influence of feature calculating parameters on the reproducibility of CT radiomic features: a thoracic phantom study. Quantitative Imaging in Medicine and Surgery, 2020, 10, 1775-1785.	2.0	11
16	NIMG-07. LONG-TERM FOLLOW-UP OF SCHWANNOMA GROWTH BEHAVIOR IN ADULT NEUROFIBROMATOSIS TYPE 2 AND SCHWANNOMATOSIS PATIENTS USING WHOLE-BODY MRI. Neuro-Oncology, 2020, 22, ii148-ii148.	1.2	0
17	The metastatic promoter DEPDC1B induces epithelial-mesenchymal transition and promotes prostate cancer cell proliferation via Rac1-PAK1 signaling. Clinical and Translational Medicine, 2020, 10, e191.	4.0	37
18	Correlation between NF1 genotype and imaging phenotype on whole-body MRI. Neurology, 2020, 94, e2521-e2531.	1.1	12

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19	Deep Parametric Active Contour Model for Neurofibromatosis Segmentation. <i>Future Generation Computer Systems</i> , 2020, 112, 58-66.	7.5	10
20	Predicting the response to neoadjuvant chemotherapy for breast cancer: wavelet transforming radiomics in MRI. <i>BMC Cancer</i> , 2020, 20, 100.	2.6	68
21	Topoisomerase II-binding protein 1 promotes the progression of prostate cancer via ATR-CHK1 signaling pathway. <i>Aging</i> , 2020, 12, 9948-9958.	3.1	6
22	A Low-Cost Highly Configurable Phantom for Simulation of Imaging-Guided Endocavitary Procedures. <i>Ultrasound Quarterly</i> , 2019, 35, 61-67.	0.8	2
23	NIMG-66. LONG-TERM FOLLOW-UP OF NEUROFIBROMATOSIS TYPE 1 PATIENTS USING WHOLE-BODY MRI DEMONSTRATES DYNAMIC CHANGES IN INTERNAL NEUROFIBROMA SIZE. <i>Neuro-Oncology</i> , 2019, 21, vi176-vi176.	1.2	0
24	Pain correlates with germline mutation in schwannomatosis. <i>Medicine (United States)</i> , 2018, 97, e9717.	1.0	20
25	Quantitative image analysis for evaluation of tumor response in clinical oncology. <i>Chronic Diseases and Translational Medicine</i> , 2018, 4, 18-28.	1.2	16
26	Volumetric MRI Analysis of Plexiform Neurofibromas in Neurofibromatosis Type 1. <i>Academic Radiology</i> , 2018, 25, 144-152.	2.5	17
27	Evaluating Glenoid Bone Loss with MRI-Generated 3-Dimensional Reconstructions. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2018, 34, e30-e31.	2.7	0
28	Measurement of Glenoid Bone Loss With 3-Dimensional Magnetic Resonance Imaging: A Matched Computed Tomography Analysis. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2018, 34, 3141-3147.	2.7	43
29	Diagnostic Value of Gadoteric Acid-Enhanced MR Imaging to Distinguish HCA and Its Subtype from FNH: A Systematic Review. <i>International Journal of Medical Sciences</i> , 2017, 14, 668-674.	2.5	34
30	Diagnostic Value of Gd-EOB-DTPA-MRI for Hepatocellular Adenoma: A Meta-Analysis. <i>Journal of Cancer</i> , 2017, 8, 1301-1310.	2.5	18
31	NIMG-64. NOVEL METHODS FOR GENOTYPE-PHENOTYPE CORRELATION IN SCHWANNOMATOSIS. <i>Neuro-Oncology</i> , 2016, 18, vi138-vi138.	1.2	0
32	Current whole-body MRI applications in the neurofibromatoses. <i>Neurology</i> , 2016, 87, S31-9.	1.1	65
33	Pilot Study on Image Quality and Radiation Dose of CT Colonography with Adaptive Iterative Dose Reduction Three-Dimensional. <i>PLoS ONE</i> , 2015, 10, e0117116.	2.5	1
34	Diagnostic Value of Multidetector CT and Its Multiplanar Reformation, Volume Rendering and Virtual Bronchoscopy Postprocessing Techniques for Primary Trachea and Main Bronchus Tumors. <i>PLoS ONE</i> , 2015, 10, e0137329.	2.5	19
35	Image Quality and Radiation Dose of CT Coronary Angiography with Automatic Tube Current Modulation and Strong Adaptive Iterative Dose Reduction Three-Dimensional (AIDR3D). <i>PLoS ONE</i> , 2015, 10, e0142185.	2.5	9
36	Electronic Cleansing in Fecal-Tagging Dual-Energy CT Colonography Based on Material Decomposition and Virtual Colon Tagging. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 754-765.	4.2	12

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37	Iterative mesh transformation for 3D segmentation of livers with cancers in CT images. Computerized Medical Imaging and Graphics, 2015, 43, 1-14.	5.8	9
38	Analysis of scalability of high-performance 3D image processing platform for virtual colonoscopy. , 2014, 9039, 90390U.		0
39	Relationship between whole-body tumor burden, clinical phenotype, and quality of life in patients with neurofibromatosis. American Journal of Medical Genetics, Part A, 2014, 164, 1431-1437.	1.2	41
40	Benign whole body tumor volume is a risk factor for malignant peripheral nerve sheath tumors in neurofibromatosis type 1. Journal of Neuro-Oncology, 2014, 116, 307-313.	2.9	59
41	Imaging of the Porta Hepatis: Spectrum of Disease. Radiographics, 2014, 34, 848-848.	3.3	0
42	Plasma S100 β is not a useful biomarker for tumor burden in neurofibromatosis. Clinical Biochemistry, 2013, 46, 698-700.	1.9	5
43	Low-dose dual-energy electronic cleansing for fecal-tagging CT Colonography. , 2013, , .		1
44	Informatics in Radiology: Dual-Energy Electronic Cleansing for Fecal-Tagging CT Colonography. Radiographics, 2013, 33, 891-912.	3.3	31
45	Use of multidetector computed tomography to guide management of pneumothorax. Current Opinion in Pulmonary Medicine, 2013, 19, 387-393.	2.6	4
46	Dual-Energy Index Value of Luminal Air in Fecal-Tagging Computed Tomography Colonography. Journal of Computer Assisted Tomography, 2013, 37, 183-194.	0.9	10
47	Virtual colon tagging for electronic cleansing in dual-energy fecal-tagging CT colonography. , 2012, 2012, 3736-9.		3
48	Diagnostic Accuracy of Laxative-Free Computed Tomographic Colonography for Detection of Adenomatous Polyps in Asymptomatic Adults. Annals of Internal Medicine, 2012, 156, 692.	3.9	103
49	Scalable, high-performance 3D imaging software platform: System architecture and application to virtual colonoscopy. , 2012, 2012, 3994-7.		6
50	Fecal-tagging CT colonography with structure-analysis electronic cleansing for detection of colorectal flat lesions. European Journal of Radiology, 2012, 81, 1712-1716.	2.6	4
51	Quantitative Assessment of Whole-Body Tumor Burden in Adult Patients with Neurofibromatosis. PLoS ONE, 2012, 7, e35711.	2.5	126
52	MDCT quantification is the dominant parameter in decision-making regarding chest tube drainage for stable patients with traumatic pneumothorax. Computerized Medical Imaging and Graphics, 2012, 36, 375-386.	5.8	19
53	Dual-Energy Electronic Cleansing for Artifact-Free Visualization of the Colon in Fecal-Tagging CT Colonography. Lecture Notes in Computer Science, 2012, , 8-17.	1.3	1
54	Piecewise Structural Diffusion Defined on Shape Index for Noise Reduction in Dual-Energy CT Images. Lecture Notes in Computer Science, 2012, , 88-96.	1.3	1

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55	Tracer Kinetic Modeling by Morales-Smith Hypothesis in Hepatic Perfusion CT. Lecture Notes in Computer Science, 2012, , 292-302.	1.3	2
56	Relationship between whole-body tumor burden and quality of life in patients with neurofibromatosis.. Journal of Clinical Oncology, 2012, 30, 6136-6136.	1.6	0
57	MDCT for Computerized Volumetry of Pneumothoraces in Pediatric Patients. Academic Radiology, 2011, 18, 315-323.	2.5	14
58	Mosaic Decomposition: An Electronic Cleansing Method for Inhomogeneously Tagged Regions in Noncathartic CT Colonography. IEEE Transactions on Medical Imaging, 2011, 30, 559-574.	8.9	25
59	Estimation of Necrosis Volumes in Focal Liver Lesions Based on Multi-phase Hepatic CT Images. Lecture Notes in Computer Science, 2011, , 60-67.	1.3	1
60	Dual-energy electronic cleansing for non-cathartic CT colonography: a phantom study. Proceedings of SPIE, 2010, , .	0.8	1
61	Informatics in Radiology: Electronic Cleansing for Noncathartic CT Colonography: A Structure-Analysis Scheme. Radiographics, 2010, 30, 585-602.	3.3	28
62	Computer-aided detection of polyps in CT colonography: Performance evaluation in comparison with human readers based on large multicenter clinical trial cases. , 2009, , .		1
63	MDCT for Automated Detection and Measurement of Pneumothoraces in Trauma Patients. American Journal of Roentgenology, 2009, 192, 830-836.	2.2	28
64	Tumor Burden in Patients with Neurofibromatosis Types 1 and 2 and Schwannomatosis: Determination on Whole-Body MR Images. Radiology, 2009, 250, 665-673.	7.3	102
65	Comparative Evaluation of the Fecal-Tagging Quality in CT Colonography. Academic Radiology, 2009, 16, 1393-1399.	2.5	21
66	Minimum-invasive early diagnosis of colorectal cancer with CT colonography: techniques and clinical value. Expert Opinion on Medical Diagnostics, 2008, 2, 1233-1246.	1.6	6
67	Mosaic decomposition method for detection and removal of inhomogeneously tagged regions in electronic cleansing for CT colonography. Proceedings of SPIE, 2008, , .	0.8	1
68	Structure-analysis method for electronic cleansing in cathartic and noncathartic CT colonography. Medical Physics, 2008, 35, 3259-3277.	3.0	49
69	COMPUTATION OF VESSELNESS IN CTA IMAGES FOR FAST AND INTERACTIVE VESSEL SEGMENTATION. International Journal of Image and Graphics, 2007, 07, 159-176.	1.5	3
70	Pseudo-enhancement correction for computer-aided detection in fecal-tagging CT colonography. , 2007, , .		3
71	Dynamic-thresholding level set: a novel computer-aided volumetry method for liver tumors in hepatic CT images. , 2007, , .		0
72	Delineation of tagged region by use of local iso-surface roughness in electronic cleansing for CT colonography. , 2007, , .		5

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73	Dynamic-Threshold Level Set Method for Volumetry of Porcine Kidney in CT Images. Academic Radiology, 2007, 14, 890-896.	2.5	27
74	3D planar reformation of vascular central axis surface with biconvex slab. Computerized Medical Imaging and Graphics, 2007, 31, 570-576.	5.8	4
75	Digital bowel cleansing for computer-aided detection of polyps in fecal-tagging CT colonography. , 2006, , .		5
76	Vesselness propagation: a fast interactive vessel segmentation method. , 2006, , .		1
77	Collaborative Virtual Simulation Environment for Radiotherapy Treatment Planning. Computer Graphics Forum, 2000, 19, 379-390.	3.0	13
78	Data Intermixing and Multi-volume Rendering. Computer Graphics Forum, 1999, 18, 359-368.	3.0	102
79	Maximum Intensity Projection Using Splatting in Sheared Object Space. Computer Graphics Forum, 1998, 17, 113-124.	3.0	22