

Wenli Cai

List of Publications by Year in descending order

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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	Quantitative Assessment of Whole-Body Tumor Burden in Adult Patients with Neurofibromatosis. PLoS ONE, 2012, 7, e35711.	2.5	126
2	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
3	Data Intermixing and Multi-volume Rendering. Computer Graphics Forum, 1999, 18, 359-368.	3.0	102
4	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
5	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
6	Predicting the response to neoadjuvant chemotherapy for breast cancer: wavelet transforming radiomics in MRI. BMC Cancer, 2020, 20, 100.	2.6	68
7	Current whole-body MRI applications in the neurofibromatoses. Neurology, 2016, 87, S31-9.	1.1	65
8	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
9	Structure-analysis method for electronic cleansing in cathartic and noncathartic CT colonography. Medical Physics, 2008, 35, 3259-3277.	3.0	49
10	Measurement of Glenoid Bone Loss With 3-Dimensional Magnetic Resonance Imaging: A Matched Computed Tomography Analysis. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2018, 34, 3141-3147.	2.7	43
11	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
12	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
13	Diagnostic Value of Gadoteric Acid-Enhanced MR Imaging to Distinguish HCA and Its Subtype from FNH: A Systematic Review. International Journal of Medical Sciences, 2017, 14, 668-674.	2.5	34
14	Informatics in Radiology: Dual-Energy Electronic Cleansing for Fecal-Tagging CT Colonography. Radiographics, 2013, 33, 891-912.	3.3	31
15	MDCT for Automated Detection and Measurement of Pneumothoraces in Trauma Patients. American Journal of Roentgenology, 2009, 192, 830-836.	2.2	28
16	Informatics in Radiology: Electronic Cleansing for Noncathartic CT Colonography: A Structure-Analysis Scheme. Radiographics, 2010, 30, 585-602.	3.3	28
17	Dynamic-Threshold Level Set Method for Volumetry of Porcine Kidney in CT Images. Academic Radiology, 2007, 14, 890-896.	2.5	27
18	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

#	ARTICLE	IF	CITATIONS
19	Maximum Intensity Projection Using Splatting in Sheared Object Space. <i>Computer Graphics Forum</i> , 1998, 17, 113-124.	3.0	22
20	Comparative Evaluation of the Fecal-Tagging Quality in CT Colonography. <i>Academic Radiology</i> , 2009, 16, 1393-1399.	2.5	21
21	Pain correlates with germline mutation in schwannomatosis. <i>Medicine (United States)</i> , 2018, 97, e9717.	1.0	20
22	MDCT quantification is the dominant parameter in decision-making regarding chest tube drainage for stable patients with traumatic pneumothorax. <i>Computerized Medical Imaging and Graphics</i> , 2012, 36, 375-386.	5.8	19
23	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
24	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
25	Volumetric MRI Analysis of Plexiform Neurofibromas in Neurofibromatosis Type 1. <i>Academic Radiology</i> , 2018, 25, 144-152.	2.5	17
26	Immune Cytolytic Activity as an Indicator of Immune Checkpoint Inhibitors Treatment for Prostate Cancer. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 930.	4.1	17
27	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
28	B7 score and T cell infiltration stratify immune status in prostate cancer. , 2021, 9, e002455.		16
29	MDCT for Computerized Volumetry of Pneumothoraces in Pediatric Patients. <i>Academic Radiology</i> , 2011, 18, 315-323.	2.5	14
30	Collaborative Virtual Simulation Environment for Radiotherapy Treatment Planning. <i>Computer Graphics Forum</i> , 2000, 19, 379-390.	3.0	13
31	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
32	Correlation between NF1 genotype and imaging phenotype on whole-body MRI. <i>Neurology</i> , 2020, 94, e2521-e2531.	1.1	12
33	Risk stratification of thymic epithelial tumors by using a nomogram combined with radiomic features and TNM staging. <i>European Radiology</i> , 2021, 31, 423-435.	4.5	12
34	Loss of NEIL3 activates radiotherapy resistance in the progression of prostate cancer. <i>Cancer Biology and Medicine</i> , 2022, 19, 1193-1210.	3.0	12
35	Influence of feature calculating parameters on the reproducibility of CT radiomic features: a thoracic phantom study. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 10, 1775-1785.	2.0	11
36	Dual-Energy Index Value of Luminal Air in Fecal-Tagging Computed Tomography Colonography. <i>Journal of Computer Assisted Tomography</i> , 2013, 37, 183-194.	0.9	10

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37	Deep Parametric Active Contour Model for Neurofibromatosis Segmentation. Future Generation Computer Systems, 2020, 112, 58-66.	7.5	10
38	Image Quality and Radiation Dose of CT Coronary Angiography with Automatic Tube Current Modulation and Strong Adaptive Iterative Dose Reduction Three-Dimensional (AIDR3D). PLoS ONE, 2015, 10, e0142185.	2.5	9
39	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
40	Radiomics Analysis of Gd-EOB-DTPA Enhanced Hepatic MRI for Assessment of Functional Liver Reserve. Academic Radiology, 2022, 29, 213-218.	2.5	8
41	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
42	Scalable, high-performance 3D imaging software platform: System architecture and application to virtual colonoscopy. , 2012, 2012, 3994-7.		6
43	Topoisomerase II-binding protein 1 promotes the progression of prostate cancer via ATR-CHK1 signaling pathway. Aging, 2020, 12, 9948-9958.	3.1	6
44	Digital bowel cleansing for computer-aided detection of polyps in fecal-tagging CT colonography. , 2006, , .		5
45	Delineation of tagged region by use of local iso-surface roughness in electronic cleansing for CT colonography. , 2007, , .		5
46	Plasma S100 β is not a useful biomarker for tumor burden in neurofibromatosis. Clinical Biochemistry, 2013, 46, 698-700.	1.9	5
47	3D planar reformation of vascular central axis surface with biconvex slab. Computerized Medical Imaging and Graphics, 2007, 31, 570-576.	5.8	4
48	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
49	Use of multidetector computed tomography to guide management of pneumothorax. Current Opinion in Pulmonary Medicine, 2013, 19, 387-393.	2.6	4
50	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
51	Pseudo-enhancement correction for computer-aided detection in fecal-tagging CT colonography. , 2007, , .		3
52	Virtual colon tagging for electronic cleansing in dual-energy fecal-tagging CT colonography. , 2012, 2012, 3736-9.		3
53	A comparative study of effective atomic number calculations for dual-energy CT. Medical Physics, 2021, 48, 5908-5923.	3.0	3
54	Role of 3D Volumetric and Perfusion Imaging for Detecting Early Changes in Pancreatic Adenocarcinoma. Frontiers in Oncology, 2021, 11, 678617.	2.8	3

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55	A Low-Cost Highly Configurable Phantom for Simulation of Imaging-Guided Endocavitary Procedures. <i>Ultrasound Quarterly</i> , 2019, 35, 61-67.	0.8	2
56	Tracer Kinetic Modeling by Morales-Smith Hypothesis in Hepatic Perfusion CT. <i>Lecture Notes in Computer Science</i> , 2012, , 292-302.	1.3	2
57	Vesselness propagation: a fast interactive vessel segmentation method. , 2006, , .		1
58	Mosaic decomposition method for detection and removal of inhomogeneously tagged regions in electronic cleansing for CT colonography. <i>Proceedings of SPIE</i> , 2008, , .	0.8	1
59	Computer-aided detection of polyps in CT colonography: Performance evaluation in comparison with human readers based on large multicenter clinical trial cases. , 2009, , .		1
60	Dual-energy electronic cleansing for non-cathartic CT colonography: a phantom study. <i>Proceedings of SPIE</i> , 2010, , .	0.8	1
61	Low-dose dual-energy electronic cleansing for fecal-tagging CT Colonography. , 2013, , .		1
62	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
63	DINs: Deep Interactive Networks for Neurofibroma Segmentation in Neurofibromatosis Type 1 on Whole-Body MRI. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021, PP, 1-1.	6.3	1
64	Dual-Energy Computed Tomography Virtual Noncalcium Imaging for the Detection of Acute Bone Marrow Edema in Vertebrae: Qualitative and Quantitative Analysis. <i>Journal of Medical Imaging and Health Informatics</i> , 2021, 11, 752-759.	0.3	1
65	Dual-Energy Electronic Cleansing for Artifact-Free Visualization of the Colon in Fecal-Tagging CT Colonography. <i>Lecture Notes in Computer Science</i> , 2012, , 8-17.	1.3	1
66	Piecewise Structural Diffusion Defined on Shape Index for Noise Reduction in Dual-Energy CT Images. <i>Lecture Notes in Computer Science</i> , 2012, , 88-96.	1.3	1
67	Estimation of Necrosis Volumes in Focal Liver Lesions Based on Multi-phase Hepatic CT Images. <i>Lecture Notes in Computer Science</i> , 2011, , 60-67.	1.3	1
68	Dynamic-thresholding level set: a novel computer-aided volumetry method for liver tumors in hepatic CT images. , 2007, , .		0
69	Analysis of scalability of high-performance 3D image processing platform for virtual colonoscopy. , 2014, 9039, 90390U.		0
70	Imaging of the Porta Hepatis: Spectrum of Disease. <i>Radiographics</i> , 2014, 34, 848-848.	3.3	0
71	NIMG-64. NOVEL METHODS FOR GENOTYPE-PHENOTYPE CORRELATION IN SCHWANNOMATOSIS. <i>Neuro-Oncology</i> , 2016, 18, vi138-vi138.	1.2	0
72	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

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73	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
74	NIMG-07. LONG-TERM FOLLOW-UP OF SCHWANNOMA GROWTH BEHAVIOR IN ADULT NEUROFIBROMATOSIS TYPE 2 AND SCHWANNOMATOSIS PATIENTS USING WHOLE-BODY MRI. <i>Neuro-Oncology</i> , 2020, 22, ii148-ii148.	1.2	0
75	Deep-Cleansing: Deep-Learning Based Electronic Cleansing in Dual-Energy CT Colonography. <i>Lecture Notes in Computer Science</i> , 2021, , 43-53.	1.3	0
76	Relationship between whole-body tumor burden and quality of life in patients with neurofibromatosis.. <i>Journal of Clinical Oncology</i> , 2012, 30, 6136-6136.	1.6	0
77	NIMG-08. A MULTI-CENTER RADIOMICS-BASED MODEL TO DIFFERENTIATE BETWEEN NEUROFIBROMATOSIS TYPE 1-ASSOCIATED PLEXIFORM NEUROFIBROMAS AND MALIGNANT PERIPHERAL NERVE SHEATH TUMORS. <i>Neuro-Oncology</i> , 2021, 23, vi128-vi129.	1.2	0
78	Exploring the Interobserver Agreement in Computer-Aided Radiologic Tumor Measurement and Evaluation of Tumor Response. <i>Frontiers in Oncology</i> , 2021, 11, 691638.	2.8	0
79	Change in Humeral Anchor Position Significantly Affects Isometry in UCL Repair: A 3-Dimensional Computer Modeling Study. <i>Journal of Shoulder and Elbow Surgery</i> , 2022, , .	2.6	0