

Christopher F Beaulieu

List of Publications by Year in descending order

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56
papers

3,695
citations

172457

29
h-index

175258

52
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56
all docs

56
docs citations

56
times ranked

2948
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep-learning-assisted diagnosis for knee magnetic resonance imaging: Development and retrospective validation of MRNet. PLoS Medicine, 2018, 15, e1002699.	8.4	409
2	Content-Based Image Retrieval in Radiology: Current Status and Future Directions. Journal of Digital Imaging, 2011, 24, 208-222.	2.9	321
3	Isoattenuating Pancreatic Adenocarcinoma at Multi-â€œDetector Row CT: Secondary Signs. Radiology, 2002, 224, 764-768.	7.3	315
4	Surface Normal Overlap: A Computer-Aided Detection Algorithm With Application to Colonic Polyps and Lung Nodules in Helical CT. IEEE Transactions on Medical Imaging, 2004, 23, 661-675.	8.9	221
5	Automated Polyp Detector for CT Colonography: Feasibility Study. Radiology, 2000, 216, 284-290.	7.3	214
6	Isotropic MRI of the Knee with 3D Fast Spin-Echo Extended Echo-Train Acquisition (XETA): Initial Experience. American Journal of Roentgenology, 2007, 188, 1287-1293.	2.2	181
7	Focal Liver Lesions: Pattern-based Classification Scheme for Enhancement at Arterial Phase CT. Radiology, 2000, 215, 746-751.	7.3	178
8	Automated flight path planning for virtual endoscopy. Medical Physics, 1998, 25, 629-637.	3.0	145
9	Local Staging of Pancreatic Carcinoma with Multi-â€œDetector Row CT: Use of Curved Planar Reformationsâ€œInitial Experience. Radiology, 2002, 225, 759-765.	7.3	129
10	Display Modes for CT Colonography. Radiology, 1999, 212, 203-212.	7.3	117
11	Comparison of new sequences for high-resolution cartilage imaging. Magnetic Resonance in Medicine, 2003, 49, 700-709.	3.0	106
12	Multidetector CT of the Pancreas and Bile Duct System. American Journal of Roentgenology, 2001, 176, 689-693.	2.2	101
13	Stair-Step Artifacts with Single versus Multiple Detector-Row Helical CT. Radiology, 2000, 216, 185-196.	7.3	95
14	Edge displacement field-based classification for improved detection of polyps in CT colonography. IEEE Transactions on Medical Imaging, 2002, 21, 1461-1467.	8.9	86
15	Visualization Modes for CT Colonography Using Cylindrical and Planar Map Projections. Journal of Computer Assisted Tomography, 2000, 24, 179-188.	0.9	81
16	Driven equilibrium magnetic resonance imaging of articular cartilage: Initial clinical experience. Journal of Magnetic Resonance Imaging, 2005, 21, 476-481.	3.4	74
17	Computed Tomography Colonography. Journal of Computer Assisted Tomography, 2004, 28, 318-326.	0.9	64
18	Adaptive local window for level set segmentation of CT and MRI liver lesions. Medical Image Analysis, 2017, 37, 46-55.	11.6	59

#	ARTICLE	IF	CITATIONS
19	Automatic detection and classification of hypodense hepatic lesions on contrast-enhanced venous-phase CT. <i>Medical Physics</i> , 2004, 31, 2584-2593.	3.0	56
20	Automated Generation of Curved Planar Reformations from Volume Data: Method and Evaluation. <i>Radiology</i> , 2002, 223, 275-280.	7.3	51
21	Bone Tumor Diagnosis Using a Naïve Bayesian Model of Demographic and Radiographic Features. <i>Journal of Digital Imaging</i> , 2017, 30, 640-647.	2.9	49
22	Articular Cartilage of the Knee: Evaluation with Fluctuating Equilibrium MR Imaging—Initial Experience in Healthy Volunteers. <i>Radiology</i> , 2006, 238, 712-718.	7.3	48
23	Detection of Colonic Polyps in a Phantom Model: Implications for Virtual Colonoscopy Data Acquisition. <i>Journal of Computer Assisted Tomography</i> , 1998, 22, 656-663.	0.9	45
24	Registration of central paths and colonic polyps between supine and prone scans in computed tomography colonography: Pilot study. <i>Medical Physics</i> , 2004, 31, 2912-2923.	3.0	42
25	On combining image-based and ontological semantic dissimilarities for medical image retrieval applications. <i>Medical Image Analysis</i> , 2014, 18, 1082-1100.	11.6	40
26	Rapid Musculoskeletal MRI with Phase-Sensitive Steady-State Free Precession: Comparison with Routine Knee MRI. <i>American Journal of Roentgenology</i> , 2005, 184, 1450-1455.	2.2	37
27	Display Modes for CT Colonography. <i>Radiology</i> , 1999, 212, 195-201.	7.3	35
28	A hierarchical knowledge-based approach for retrieving similar medical images described with semantic annotations. <i>Journal of Biomedical Informatics</i> , 2014, 49, 227-244.	4.3	33
29	Dynamic MR imaging and stress testing in glenohumeral instability: Comparison with normal shoulders and clinical/surgical findings. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 13, 748-756.	3.4	32
30	Classification of Hypervascular Liver Lesions Based on Hepatic Artery and Portal Vein Blood Supply Coefficients Calculated from Triphasic CT Scans. <i>Journal of Digital Imaging</i> , 2015, 28, 213-223.	2.9	31
31	Detection and prevalence of variant sciatic nerve anatomy in relation to the piriformis muscle on MRI. <i>Skeletal Radiology</i> , 2017, 46, 751-757.	2.0	30
32	Relevance feedback for enhancing content based image retrieval and automatic prediction of semantic image features: Application to bone tumor radiographs. <i>Journal of Biomedical Informatics</i> , 2018, 84, 123-135.	4.3	29
33	CT Colonography: Influence of 3D Viewing and Polyp Candidate Features on Interpretation with Computer-aided Detection. <i>Radiology</i> , 2006, 239, 768-776.	7.3	26
34	Polyp Enhancing Level Set Evolution of Colon Wall: Method and Pilot Study. <i>IEEE Transactions on Medical Imaging</i> , 2007, 26, 1649-1656.	8.9	23
35	Is it painful to be different? Sciatic nerve anatomical variants on MRI and their relationship to piriformis syndrome. <i>European Radiology</i> , 2018, 28, 4681-4686.	4.5	23
36	Combined 5-minute double-echo in steady-state with separated echoes and 2-minute proton-density-weighted 2D FSE sequence for comprehensive whole-joint knee MRI assessment. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, e183-e194.	3.4	23

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37	Relaxometry of calf lens homogenates, including cross-relaxation by crystallin NH groups. Magnetic Resonance in Medicine, 1988, 8, 45-57.	3.0	21
38	Chondral Rib Fractures in Professional American Football. Orthopaedic Journal of Sports Medicine, 2016, 4, 232596711562762.	1.7	17
39	Relaxometry of lens homogenates. II. temperature dependence and comparison with other proteins. Magnetic Resonance in Medicine, 1989, 10, 362-372.	3.0	16
40	Piriformis Syndrome With Variant Sciatic Nerve Anatomy: A Case Report. PM and R, 2016, 8, 176-179.	1.6	13
41	Content-based image retrieval in radiology: analysis of variability in human perception of similarity. Journal of Medical Imaging, 2015, 2, 025501.	1.5	12
42	Quantification of Distention in CT Colonography: Development and Validation of Three Computer Algorithms. Radiology, 2002, 222, 543-554.	7.3	11
43	Using Optical Flow Fields for Polyp Detection in Virtual Colonoscopy. Lecture Notes in Computer Science, 2001, , 637-644.	1.3	10
44	CT colonography: Does improved resolution help computer-aided polyp detection?. Medical Physics, 2003, 30, 2663-2674.	3.0	9
45	On the Feasibility of Predicting Radiological Observations from Computational Imaging Features of Liver Lesions in CT Scans. , 2011, , .		9
46	Current Techniques in the Performance, Interpretation, and Reporting of CT Colonography. Gastrointestinal Endoscopy Clinics of North America, 2010, 20, 169-192.	1.4	7
47	Automating Scoliosis Measurements in Radiographic Studies with Machine Learning: Comparing Artificial Intelligence and Clinical Reports. Journal of Digital Imaging, 2022, 35, 524-533.	2.9	7
48	Artificial Intelligence and Machine Learning Applications in Musculoskeletal Imaging. Advances in Clinical Radiology, 2020, 2, 285-297.	0.2	3
49	Computed tomography and magnetic resonance colonography (Virtual colonoscopy). Techniques in Gastrointestinal Endoscopy, 2000, 2, 30-36.	0.3	2
50	Interactive and Interventional Sports Medicine Imaging. Topics in Magnetic Resonance Imaging, 2003, 14, 115-130.	1.2	2
51	Computerized Prediction of Radiological Observations Based on Quantitative Feature Analysis: Initial Experience in Liver Lesions. Journal of Digital Imaging, 2017, 30, 506-518.	2.9	2
52	Musculotendinous Injuries: Sonographic-guided Interventions. Seminars in Musculoskeletal Radiology, 2017, 21, 470-484.	0.7	2
53	Clinical utility of accelerated MAVRIC-SL with robust-PCA compared to conventional MAVRIC-SL in evaluation of total hip arthroplasties. Skeletal Radiology, 2021, , 1.	2.0	2
54	A semantic framework for the retrieval of similar radiological images based on medical annotations. , 2014, , .		1

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55	Transparent Rendering of Intraluminal Contrast for 3D Polyp Visualization at CT Colonography. Journal of Computer Assisted Tomography, 2007, 31, 773-779.	0.9	0
56	Performance and Interpretation of CTC. , 2013, , 73-113.		0