## Steve Pieper

List of Publications by Year in descending order

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STEVE DIEDED

#	Article	IF	CITATIONS
1	3D Slicer as an image computing platform for the Quantitative Imaging Network. Magnetic Resonance Imaging, 2012, 30, 1323-1341.	1.8	5,126
2	Computational Radiomics System to Decode the Radiographic Phenotype. Cancer Research, 2017, 77, e104-e107.	0.9	3,458
3	Visualization of image data from cells to organisms. Nature Methods, 2010, 7, S26-S41.	19.0	226
4	Test–retest and betweenâ€site reliability in a multicenter fMRI study. Human Brain Mapping, 2008, 29, 958-972.	3.6	225
5	Applications of Ultrasound in the Resection of Brain Tumors. Journal of Neuroimaging, 2017, 27, 5-15.	2.0	104
6	SlicerDMRI: Open Source Diffusion MRI Software for Brain Cancer Research. Cancer Research, 2017, 77, e101-e103.	0.9	89
7	A computer modeling tool for comparing novel ICD electrode orientations in children and adults. Heart Rhythm, 2008, 5, 565-572.	0.7	67
8	DICOM for quantitative imaging biomarker development: a standards based approach to sharing clinical data and structured PET/CT analysis results in head and neck cancer research. PeerJ, 2016, 4, e2057.	2.0	67
9	SlicerMorph: An open and extensible platform to retrieve, visualize and analyse 3D morphology. Methods in Ecology and Evolution, 2021, 12, 1816-1825.	5.2	64
10	Increasing the impact of medical image computing using community-based open-access hackathons: The NA-MIC and 3D Slicer experience. Medical Image Analysis, 2016, 33, 176-180.	11.6	58
11	SlicerDMRI: Diffusion MRI and Tractography Research Software for Brain Cancer Surgery Planning and Visualization. JCO Clinical Cancer Informatics, 2020, 4, 299-309.	2.1	52
12	Extended Broca's Area in the Functional Connectome of Language in Adults: Combined Cortical and Subcortical Single-Subject Analysis Using fMRI and DTI Tractography. Brain Topography, 2013, 26, 428-441.	1.8	51
13	XCEDE: An Extensible Schema for Biomedical Data. Neuroinformatics, 2012, 10, 19-32.	2.8	49
14	A web-based system for neural network based classification in temporomandibular joint osteoarthritis. Computerized Medical Imaging and Graphics, 2018, 67, 45-54.	5.8	43
15	Finite element modeling of subcutaneous implantable defibrillator electrodes in an adult torso. Heart Rhythm, 2010, 7, 692-698.	0.7	41
16	Lobar Distribution of Lesion Volumes in Late-Life Depression: The Biomedical Informatics Research Network (BIRN). Neuropsychopharmacology, 2006, 31, 1500-1507.	5.4	36
17	Application of the 3D slicer chest imaging platform segmentation algorithm for large lung nodule delineation. PLoS ONE, 2017, 12, e0178944.	2.5	35
18	Incorporating 3-dimensional models in online articles. American Journal of Orthodontics and Dentofacial Orthopedics, 2015, 147, S195-S204.	1.7	34

STEVE PIEPER

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19	Using clinically acquired MRI to construct ageâ€specific ADC atlases: Quantifying spatiotemporal ADC changes from birth to 6â€year old. Human Brain Mapping, 2017, 38, 3052-3068.	3.6	31
20	<i>dcmqi</i> : An Open Source Library for Standardized Communication of Quantitative Image Analysis Results Using DICOM. Cancer Research, 2017, 77, e87-e90.	0.9	31
21	NCI Imaging Data Commons. Cancer Research, 2021, 81, 4188-4193.	0.9	28
22	Challenges and Opportunities of Intraoperative 3D Ultrasound With Neuronavigation in Relation to Intraoperative MRI. Frontiers in Oncology, 2021, 11, 656519.	2.8	25
23	Diffusion imaging of mild traumatic brain injury in the impact accelerated rodent model: A pilot study. Brain Injury, 2017, 31, 1376-1381.	1.2	19
24	Interaction with Volume-Rendered Three-Dimensional Echocardiographic Images in Virtual Reality. Journal of the American Society of Echocardiography, 2018, 31, 1158-1160.	2.8	16
25	Deformable MRI-Ultrasound registration using correlation-based attribute matching for brain shift correction: Accuracy and generality in multi-site data. NeuroImage, 2019, 202, 116094.	4.2	16
26	Spiny versus stubby: 3D reconstruction of human myenteric (type I) neurons. Histochemistry and Cell Biology, 2009, 131, 1-12.	1.7	14
27	Brain extraction in pediatric ADC maps, toward characterizing neuro-development in multi-platform and multi-institution clinical images. NeuroImage, 2015, 122, 246-261.	4.2	13
28	Reusable Client-Side JavaScript Modules for Immersive Web-Based Real-Time Collaborative Neuroimage Visualization. Frontiers in Neuroinformatics, 2017, 11, 32.	2.5	11
29	Quantitative Imaging Informatics for Cancer Research. JCO Clinical Cancer Informatics, 2020, 4, 444-453.	2.1	11
30	The National Alliance for Medical Image Computing, a roadmap initiative to build a free and open source software infrastructure for translational research in medical image analysis. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, 176-180.	4.4	10
31	DICOM reâ€encoding of volumetrically annotated Lung Imaging Database Consortium (LIDC) nodules. Medical Physics, 2020, 47, 5953-5965.	3.0	8
32	Longitudinal Changes in MRI Muscle Morphometry and Composition in People With Inclusion Body Myositis. Neurology, 2022, 99, .	1.1	7
33	FiberStars: Visual Comparison of Diffusion Tractography Data between Multiple Subjects. , 2021, , .		3
34	TRAKO: Efficient Transmission of Tractography Data for Visualization. Lecture Notes in Computer Science, 2020, 12267, 322-332.	1.3	3
35	Open-source Software Sustainability Models: Initial White Paper From the Informatics Technology for Cancer Research Sustainability and Industry Partnership Working Group. Journal of Medical Internet Research, 2021, 23, e20028.	4.3	2