

Steve Pieper

List of Publications by Year in descending order

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35
papers

10,073
citations

331259

21
h-index

377514

34
g-index

36
all docs

36
docs citations

36
times ranked

15083
citing authors

#	ARTICLE	IF	CITATIONS
1	3D Slicer as an image computing platform for the Quantitative Imaging Network. <i>Magnetic Resonance Imaging</i> , 2012, 30, 1323-1341.	1.0	5,126
2	Computational Radiomics System to Decode the Radiographic Phenotype. <i>Cancer Research</i> , 2017, 77, e104-e107.	0.4	3,458
3	Visualization of image data from cells to organisms. <i>Nature Methods</i> , 2010, 7, S26-S41.	9.0	226
4	Test-retest and between-site reliability in a multicenter fMRI study. <i>Human Brain Mapping</i> , 2008, 29, 958-972.	1.9	225
5	Applications of Ultrasound in the Resection of Brain Tumors. <i>Journal of Neuroimaging</i> , 2017, 27, 5-15.	1.0	104
6	SlicerDMRI: Open Source Diffusion MRI Software for Brain Cancer Research. <i>Cancer Research</i> , 2017, 77, e101-e103.	0.4	89
7	A computer modeling tool for comparing novel ICD electrode orientations in children and adults. <i>Heart Rhythm</i> , 2008, 5, 565-572.	0.3	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. <i>PeerJ</i> , 2016, 4, e2057.	0.9	67
9	SlicerMorph: An open and extensible platform to retrieve, visualize and analyse 3D morphology. <i>Methods in Ecology and Evolution</i> , 2021, 12, 1816-1825.	2.2	64
10	Increasing the impact of medical image computing using community-based open-access hackathons: The NA-MIC and 3D Slicer experience. <i>Medical Image Analysis</i> , 2016, 33, 176-180.	7.0	58
11	SlicerDMRI: Diffusion MRI and Tractography Research Software for Brain Cancer Surgery Planning and Visualization. <i>JCO Clinical Cancer Informatics</i> , 2020, 4, 299-309.	1.0	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. <i>Brain Topography</i> , 2013, 26, 428-441.	0.8	51
13	XCEDE: An Extensible Schema for Biomedical Data. <i>Neuroinformatics</i> , 2012, 10, 19-32.	1.5	49
14	A web-based system for neural network based classification in temporomandibular joint osteoarthritis. <i>Computerized Medical Imaging and Graphics</i> , 2018, 67, 45-54.	3.5	43
15	Finite element modeling of subcutaneous implantable defibrillator electrodes in an adult torso. <i>Heart Rhythm</i> , 2010, 7, 692-698.	0.3	41
16	Lobar Distribution of Lesion Volumes in Late-Life Depression: The Biomedical Informatics Research Network (BIRN). <i>Neuropsychopharmacology</i> , 2006, 31, 1500-1507.	2.8	36
17	Application of the 3D slicer chest imaging platform segmentation algorithm for large lung nodule delineation. <i>PLoS ONE</i> , 2017, 12, e0178944.	1.1	35
18	Incorporating 3-dimensional models in online articles. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2015, 147, S195-S204.	0.8	34

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19	Using clinically acquired MRI to construct age-specific ADC atlases: Quantifying spatiotemporal ADC changes from birth to 6-year old. <i>Human Brain Mapping</i> , 2017, 38, 3052-3068.	1.9	31
20	<i>dicomqi</i> : An Open Source Library for Standardized Communication of Quantitative Image Analysis Results Using DICOM. <i>Cancer Research</i> , 2017, 77, e87-e90.	0.4	31
21	NCI Imaging Data Commons. <i>Cancer Research</i> , 2021, 81, 4188-4193.	0.4	28
22	Challenges and Opportunities of Intraoperative 3D Ultrasound With Neuronavigation in Relation to Intraoperative MRI. <i>Frontiers in Oncology</i> , 2021, 11, 656519.	1.3	25
23	Diffusion imaging of mild traumatic brain injury in the impact accelerated rodent model: A pilot study. <i>Brain Injury</i> , 2017, 31, 1376-1381.	0.6	19
24	Interaction with Volume-Rendered Three-Dimensional Echocardiographic Images in Virtual Reality. <i>Journal of the American Society of Echocardiography</i> , 2018, 31, 1158-1160.	1.2	16
25	Deformable MRI-Ultrasound registration using correlation-based attribute matching for brain shift correction: Accuracy and generality in multi-site data. <i>NeuroImage</i> , 2019, 202, 116094.	2.1	16
26	Spiny versus stubby: 3D reconstruction of human myenteric (type I) neurons. <i>Histochemistry and Cell Biology</i> , 2009, 131, 1-12.	0.8	14
27	Brain extraction in pediatric ADC maps, toward characterizing neuro-development in multi-platform and multi-institution clinical images. <i>NeuroImage</i> , 2015, 122, 246-261.	2.1	13
28	Reusable Client-Side JavaScript Modules for Immersive Web-Based Real-Time Collaborative Neuroimage Visualization. <i>Frontiers in Neuroinformatics</i> , 2017, 11, 32.	1.3	11
29	Quantitative Imaging Informatics for Cancer Research. <i>JCO Clinical Cancer Informatics</i> , 2020, 4, 444-453.	1.0	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. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2012, 19, 176-180.	2.2	10
31	DICOM re-encoding of volumetrically annotated Lung Imaging Database Consortium (LIDC) nodules. <i>Medical Physics</i> , 2020, 47, 5953-5965.	1.6	8
32	Longitudinal Changes in MRI Muscle Morphometry and Composition in People With Inclusion Body Myositis. <i>Neurology</i> , 2022, 99, .	1.5	7
33	FiberStars: Visual Comparison of Diffusion Tractography Data between Multiple Subjects. , 2021, , .		3
34	TRAKO: Efficient Transmission of Tractography Data for Visualization. <i>Lecture Notes in Computer Science</i> , 2020, 12267, 322-332.	1.0	3
35	Open-source Software Sustainability Models: Initial White Paper From the Informatics Technology for Cancer Research Sustainability and Industry Partnership Working Group. <i>Journal of Medical Internet Research</i> , 2021, 23, e20028.	2.1	2