

Norbert Strobel

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

478
citations

1039880

9
h-index

677027

22
g-index

27
all docs

27
docs citations

27
times ranked

549
citing authors

#	ARTICLE	IF	CITATIONS
1	Dose and image quality for a cone-beam C-arm CT system. <i>Medical Physics</i> , 2006, 33, 4541-4550.	1.6	153
2	3D Imaging with Flat-Detector C-Arm Systems. <i>Medical Radiology</i> , 2009, , 33-51.	0.0	52
3	Accuracy Assessment of Catheter Guidance Technology in Electrophysiology Procedures. <i>Journal of Cardiovascular Electrophysiology</i> , 2014, 25, 74-83.	0.8	41
4	Transjugular Intrahepatic Portosystemic Shunt Creation in a Polycystic Liver Facilitated by Hybrid Cross-sectional/Angiographic Imaging. <i>Journal of Vascular and Interventional Radiology</i> , 2006, 17, 711-715.	0.2	37
5	Three-dimensional anisotropic adaptive filtering of projection data for noise reduction in cone beam CT. <i>Medical Physics</i> , 2011, 38, 5896-5909.	1.6	32
6	Robust object tracking using semi-supervised appearance dictionary learning. <i>Pattern Recognition Letters</i> , 2015, 62, 17-23.	2.6	32
7	Physics-driven learning of x-ray skin dose distribution in interventional procedures. <i>Medical Physics</i> , 2019, 46, 4654-4665.	1.6	16
8	Pulmonary Vein Isolation Supported by MRI-derived 3D-Augmented Biplane Fluoroscopy: A Feasibility Study and a Quantitative Analysis of the Accuracy of the Technique. <i>Journal of Cardiovascular Electrophysiology</i> , 2013, 24, 113-120.	0.8	15
9	Percutaneous Punctures with MR Imaging Guidance: Comparison between MR Imaging-enhanced Fluoroscopic Guidance and Real-time MR Imaging Guidance. <i>Radiology</i> , 2013, 266, 912-919.	3.6	15
10	Learning a multiscale patch-based representation for image denoising in X-RAY fluoroscopy. , 2016, , .		10
11	Deep action learning enables robust 3D segmentation of body organs in various CT and MRI images. <i>Scientific Reports</i> , 2021, 11, 3311.	1.6	10
12	A photon recycling approach to the denoising of ultra-low dose X-ray sequences. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2018, 13, 847-854.	1.7	8
13	X-Ray Scatter Estimation Using Deep Splines. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 2272-2283.	5.4	8
14	A machine learning pipeline for internal anatomical landmark embedding based on a patient surface model. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019, 14, 53-61.	1.7	7
15	An analytical approach for the simulation of realistic low-dose fluoroscopic images. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019, 14, 601-610.	1.7	6
16	Cryo-Balloon Catheter Localization Based on a Support-Vector-Machine Approach. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 1892-1902.	5.4	5
17	Learning-based occupational x-ray scatter estimation. <i>Physics in Medicine and Biology</i> , 2022, 67, 075001.	1.6	5
18	Preliminary results of DSA denoising based on a weighted low-rank approach using an advanced neurovascular replication system. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019, 14, 1117-1126.	1.7	4

#	ARTICLE	IF	CITATIONS
19	Data-driven estimation of noise variance stabilization parameters for low-dose x-ray images. Physics in Medicine and Biology, 2020, 65, 225027.	1.6	4
20	XDose: toward online cross-validation of experimental and computational X-ray dose estimation. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 1-10.	1.7	3
21	Esophagus Silhouette Extraction and Reconstruction From Fluoroscopic Views for Cardiac Ablation Procedure Guidance. IEEE Transactions on Information Technology in Biomedicine, 2011, 15, 703-708.	3.6	2
22	Optimized viewing angles for cardiac electrophysiology ablation procedures. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 651-664.	1.7	2
23	Simultaneous Estimation of X-Ray Back-Scatter and Forward-Scatter Using Multi-task Learning. Lecture Notes in Computer Science, 2020, , 199-208.	1.0	2
24	Fully-Automatic CT Data Preparation for Interventional X-Ray Skin Dose Simulation. Informatik Aktuell, 2020, , 125-130.	0.4	2
25	Robust learning-based x-ray image denoising – potential pitfalls, their analysis and solutions. Biomedical Physics and Engineering Express, 2022, 8, 035013.	0.6	1
26	Optimizing the innovation and development process of medical devices - a study based on angiographic equipment. Health and Technology, 2021, 11, 563-574.	2.1	0