Norbert Strobel

List of Publications by Year
in descending order

26 papers	478 citations	1040056 9 h-index	677142 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. Medical Physics, 2006, 33, 4541-4550.	3.0	153
2	3D Imaging with Flat-Detector C-Arm Systems. Medical Radiology, 2009, , 33-51.	0.1	52
3	Accuracy Assessment of Catheter Guidance Technology in Electrophysiology Procedures. Journal of Cardiovascular Electrophysiology, 2014, 25, 74-83.	1.7	41
4	Transjugular Intrahepatic Portosystemic Shunt Creation in a Polycystic Liver Facilitated by Hybrid Cross-sectional/Angiographic Imaging. Journal of Vascular and Interventional Radiology, 2006, 17, 711-715.	0.5	37
5	Threeâ€dimensional anisotropic adaptive filtering of projection data for noise reduction in cone beam CT. Medical Physics, 2011, 38, 5896-5909.	3.0	32
6	Robust object tracking using semi-supervised appearance dictionary learning. Pattern Recognition Letters, 2015, 62, 17-23.	4.2	32
7	Physicsâ€driven learning of xâ€ray skin dose distribution in interventional procedures. Medical Physics, 2019, 46, 4654-4665.	3.0	16
8	Pulmonary Vein Isolation Supported by MRIâ€Derived 3Dâ€Augmented Biplane Fluoroscopy: A Feasibility Study and a Quantitative Analysis of the Accuracy of the Technique. Journal of Cardiovascular Electrophysiology, 2013, 24, 113-120.	1.7	15
9	Percutaneous Punctures with MR Imaging Guidance: Comparison between MR Imagingâ€“enhanced Fluoroscopic Guidance and Real-time MR Imaging Guidance. Radiology, 2013, 266, 912-919.	7.3	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. Scientific Reports, 2021, 11, 3311.	3.3	10
12	A photon recycling approach to the denoising of ultra-low dose X-ray sequences. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 847-854.	2.8	8
13	X-Ray Scatter Estimation Using Deep Splines. IEEE Transactions on Medical Imaging, 2021, 40, 2272-2283.	8.9	8
14	A machine learning pipeline for internal anatomical landmark embedding based on a patient surface model. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 53-61.	2.8	7
15	An analytical approach for the simulation of realistic low-dose fluoroscopic images. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 601-610.	2.8	6
16	Cryo-Balloon Catheter Localization Based on a Support-Vector-Machine Approach. IEEE Transactions on Medical Imaging, 2016, 35, 1892-1902.	8.9	5
17	Learning-based occupational x-ray scatter estimation. Physics in Medicine and Biology, 2022, 67, 075001.	3.0	5
18	Preliminary results of DSA denoising based on a weighted low-rank approach using an advanced neurovascular replication system. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 1117-1126.	2.8	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.	3.0	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.	2.8	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.	3.2	2
22	Optimized viewing angles for cardiac electrophysiology ablation procedures. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 651-664.	2.8	2
23	Simultaneous Estimation of X-Ray Back-Scatter and Forward-Scatter Using Multi-task Learning. Lecture Notes in Computer Science, 2020, , 199-208.	1.3	2
24	Fully-Automatic CT Data Preparation for Interventional X-Ray Skin Dose Simulation. Informatik Aktuell, 2020, , 125-130.	0.6	2
25	Robust learning-based x-ray image denoisingâ€"potential pitfalls, their analysis and solutions. Biomedical Physics and Engineering Express, 2022, 8, 035013.	1.2	1
26	Optimizing the innovation and development process of medical devices - a study based on angiographic equipment. Health and Technology, 2021, 11, 563-574.	3.6	0