Johann Hummel

List of Publications by Year
in descending order

18	503	933447 10	839539 18
papers	citations	h-index	g-index

19	19	19	550
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A head-mounted operating binocular for augmented reality visualization in medicine - design and initial evaluation. IEEE Transactions on Medical Imaging, 2002, 21, 991-997.	8.9	149
2	Evaluation of a miniature electromagnetic position tracker. Medical Physics, 2002, 29, 2205-2212.	3.0	82
3	A fully automated calibration method for an optical see-through head-mounted operating microscope with variable zoom and focus. IEEE Transactions on Medical Imaging, 2005, 24, 1492-1499.	8.9	42
4	Stochastic rank correlation: A robust merit function for 2D/3D registration of image data obtained at different energies. Medical Physics, 2009, 36, 3420-3428.	3.0	42
5	2D/3D registration of endoscopic ultrasound to CT volume data. Physics in Medicine and Biology, 2008, 53, 4303-4316.	3.0	41
6	Rigid 2D/3D slice-to-volume registration and its application on fluoroscopic CT images. Medical Physics, 2006, 34, 246-255.	3.0	40
7	Conditional Generative Adversarial Networks Aided Motion Correction of Dynamic ¹⁸F-FDG PET Brain Studies. Journal of Nuclear Medicine, 2021, 62, 871-879.	5.0	26
8	Automatic patient alignment system using 3D ultrasound. Medical Physics, 2013, 40, 041714.	3.0	23
9	Technical Note: Fullyâ€automated analysis of Jaszczak phantom measurements as part of routine <scp>SPECT</scp> quality control. Medical Physics, 2017, 44, 1638-1645.	3.0	15
10	A comparative study on manual and automatic slice-to-volume registration of CT images. European Radiology, 2009, 19, 2647-2653.	4.5	13
11	Factors for conversion between human and automatic read-outs of CDMAM images. Medical Physics, 2011, 38, 5090-5093.	3.0	10
12	Comparison of a personalized breast dosimetry method with standard dosimetry protocols. Scientific Reports, 2019, 9, 5866.	3.3	7
13	Conversion factors between human and automatic readouts of CDMAM phantom images of CR mammography systems. Physics in Medicine and Biology, 2016, 61, N514-N521.	3.0	4
14	An error analysis perspective for patient alignment systems. International Journal of Computer Assisted Radiology and Surgery, 2013, 8, 849-856.	2.8	3
15	Deformable registration of 3D ultrasound volumes using automatic landmark generation. PLoS ONE, 2019, 14, e0213004.	2.5	2
16	Evaluation of 3D ultrasound for image guidance. PLoS ONE, 2020, 15, e0229441.	2.5	2
17	Spectrum optimization for computed radiography mammography systems. Physica Medica, 2016, 32, 1034-1039.	0.7	1
18	3D ultrasound guided navigation system with hybrid image fusion. Scientific Reports, 2021, 11, 8838.	3.3	1