Antonio Pepe

List of Publications by Year
in descending order

		759233	752698
27	487	12	20
papers	citations	h-index	g-index
29	29	29	282
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Medical deep learning—A systematic meta-review. Computer Methods and Programs in Biomedicine, 2022, 221, 106874.	4.7	76
2	Detection, segmentation, simulation and visualization of aortic dissections: A review. Medical Image Analysis, 2020, 65, 101773.	11.6	57
3	A Marker-Less Registration Approach for Mixed Reality–Aided Maxillofacial Surgery: a Pilot Evaluation. Journal of Digital Imaging, 2019, 32, 1008-1018.	2.9	52
4	Automatic skull defect restoration and cranial implant generation for cranioplasty. Medical Image Analysis, 2021, 73, 102171.	11.6	33
5	Augmented Reality for Head and Neck Carcinoma Imaging: Description and Feasibility of an Instant Calibration, Markerless Approach. Computer Methods and Programs in Biomedicine, 2021, 200, 105854.	4.7	27
6	A Baseline Approach for AutoImplant: The MICCAI 2020 Cranial Implant Design Challenge. Lecture Notes in Computer Science, 2020, , 75-84.	1.3	27
7	AutoImplant 2020-First MICCAI Challenge on Automatic Cranial Implant Design. IEEE Transactions on Medical Imaging, 2021, 40, 2329-2342.	8.9	24
8	Synthetic skull bone defects for automatic patient-specific craniofacial implant design. Scientific Data, 2021, 8, 36.	5.3	21
9	Inside-Out Instrument Tracking for Surgical Navigation in Augmented Reality. , 2021, , .		21
10	Markerless Image-to-Face Registration for Untethered Augmented Reality in Head and Neck Surgery. Lecture Notes in Computer Science, 2019, , 236-244.	1.3	20
11	Deep learning—a first meta-survey of selected reviews across scientific disciplines, their commonalities, challenges and research impact. PeerJ Computer Science, 2021, 7, e773.	4.5	18
12	SkullBreak / SkullFix – Dataset for automatic cranial implant design and a benchmark for volumetric shape learning tasks. Data in Brief, 2021, 35, 106902.	1.0	17
13	AVT: Multicenter aortic vessel tree CTA dataset collection with ground truth segmentation masks. Data in Brief, 2022, 40, 107801.	1.0	17
14	An online platform for automatic skull defect restoration and cranial implant design. , 2021, , .		14
15	Studierfenster: an Open Science Cloud-Based Medical Imaging Analysis Platform. Journal of Digital Imaging, 2022, 35, 340-355.	2.9	12
16	Pattern Recognition and Mixed Reality for Computer-Aided Maxillofacial Surgery and Oncological Assessment. , 2018, , .		9
17	MUG500+: Database of 500 high-resolution healthy human skulls and 29 craniotomy skulls and implants. Data in Brief, 2021, 39, 107524.	1.0	7
18	PET-Train: Automatic Ground Truth Generation from PET Acquisitions for Urinary Bladder Segmentation in CT Images using Deep Learning. , 2018, , .		6

#	Article	IF	Citations
19	Depth-Awareness in a System for Mixed-Reality Aided Surgical Procedures. Lecture Notes in Computer Science, 2019, , 716-726.	1.3	5
20	Deep Reinforcement Learning for Localization of the Aortic Annulus in Patients with Aortic Dissection. Lecture Notes in Computer Science, 2020, , 94-105.	1.3	5
21	Deep Learning-Based 3D Segmentation of True Lumen, False Lumen, and False Lumen Thrombosis in Type-B Aortic Dissection. , 2021, 2021, 3912-3915.		5
22	Single-Shot Deep Volumetric Regression for Mobile Medical Augmented Reality. Lecture Notes in Computer Science, 2020, , 64-74.	1.3	2
23	Semi-supervised Virtual Regression of Aortic Dissections Using 3D Generative Inpainting. Lecture Notes in Computer Science, 2020, , 130-140.	1.3	2
24	A comprehensive workflow and framework for immersive virtual endoscopy of dissected aortae from CTA data. , 2020, , .		2
25	IRIS: interactive real-time feedback image segmentation with deep learning. , 2020, , .		2
26	Deep learning and generative adversarial networks in oral andÂmaxillofacial surgery. , 2021, , 55-82.		0
27	Enhancement of aortic dissections in CT angiography: are common filters robust enough?. , 2022, , .		0