Antonio Pepe

List of Publications by Year
in descending order

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Version: 2024-02-01

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

#	Article	IF	Citations
1	AVT: Multicenter aortic vessel tree CTA dataset collection with ground truth segmentation masks. Data in Brief, 2022, 40, 107801.	1.0	17
2	Studierfenster: an Open Science Cloud-Based Medical Imaging Analysis Platform. Journal of Digital Imaging, 2022, 35, 340-355.	2.9	12
3	Enhancement of aortic dissections in CT angiography: are common filters robust enough?. , 2022, , .		0
4	Medical deep learningâ€"A systematic meta-review. Computer Methods and Programs in Biomedicine, 2022, 221, 106874.	4.7	76
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	Deep learning and generative adversarial networks in oral andÂmaxillofacial surgery. , 2021, , 55-82.		0
7	Synthetic skull bone defects for automatic patient-specific craniofacial implant design. Scientific Data, 2021, 8, 36.	5.3	21
8	An online platform for automatic skull defect restoration and cranial implant design. , 2021, , .		14
9	SkullBreak / SkullFix â€“ Dataset for automatic cranial implant design and a benchmark for volumetric shape learning tasks. Data in Brief, 2021, 35, 106902.	1.0	17
10	AutoImplant 2020-First MICCAI Challenge on Automatic Cranial Implant Design. IEEE Transactions on Medical Imaging, 2021, 40, 2329-2342.	8.9	24
11	Automatic skull defect restoration and cranial implant generation for cranioplasty. Medical Image Analysis, 2021, 73, 102171.	11.6	33
12	MUG500+: Database of 500 high-resolution healthy human skulls and 29 craniotomy skulls and implants. Data in Brief, 2021, 39, 107524.	1.0	7
13	Deep learningâ€"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
14	Deep Learning-Based 3D Segmentation of True Lumen, False Lumen, and False Lumen Thrombosis in Type-B Aortic Dissection. , 2021, 2021, 3912-3915.		5
15	Inside-Out Instrument Tracking for Surgical Navigation in Augmented Reality. , 2021, , .		21
16	Detection, segmentation, simulation and visualization of aortic dissections: A review. Medical Image Analysis, 2020, 65, 101773.	11.6	57
17	Single-Shot Deep Volumetric Regression for Mobile Medical Augmented Reality. Lecture Notes in Computer Science, 2020, , 64-74.	1.3	2
18	A Baseline Approach for AutoImplant: The MICCAI 2020 Cranial Implant Design Challenge. Lecture Notes in Computer Science, 2020, , 75-84.	1.3	27

#	Article	IF	Citations
19	Semi-supervised Virtual Regression of Aortic Dissections Using 3D Generative Inpainting. Lecture Notes in Computer Science, 2020, , 130-140.	1.3	2
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	A comprehensive workflow and framework for immersive virtual endoscopy of dissected aortae from CTA data. , 2020, , .		2
22	IRIS: interactive real-time feedback image segmentation with deep learning. , 2020, , .		2
23	A Marker-Less Registration Approach for Mixed Realityâ€“Aided Maxillofacial Surgery: a Pilot Evaluation. Journal of Digital Imaging, 2019, 32, 1008-1018.	2.9	52
24	Depth-Awareness in a System for Mixed-Reality Aided Surgical Procedures. Lecture Notes in Computer Science, 2019, , 716-726.	1.3	5
25	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
26	Pattern Recognition and Mixed Reality for Computer-Aided Maxillofacial Surgery and Oncological Assessment. , 2018, , .		9
27	PET-Train: Automatic Ground Truth Generation from PET Acquisitions for Urinary Bladder Segmentation in CT Images using Deep Learning. , 2018, , .		6