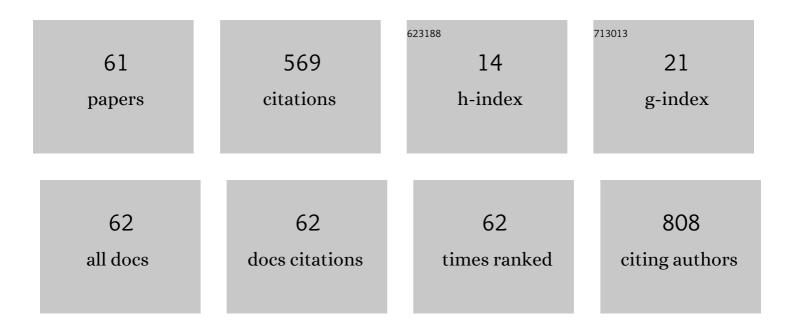


## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5368044/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	A homotopy-based sparse representation for fast and accurate shape prior modeling in liver surgical planning. Medical Image Analysis, 2015, 19, 176-186.	7.0	40
2	Automatic detection of coronary artery stenosis by convolutional neural network with temporal constraint. Computers in Biology and Medicine, 2020, 118, 103657.	3.9	38
3	A hybrid deformable model for real-time surgical simulation. Computerized Medical Imaging and Graphics, 2012, 36, 356-365.	3.5	34
4	Multi-label ocular disease classification with a dense correlation deep neural network. Biomedical Signal Processing and Control, 2021, 63, 102167.	3.5	32
5	Pulmonary nodule detection in CT images based on shape constraint CV model. Medical Physics, 2015, 42, 1241-1254.	1.6	29
6	A robust and real-time vascular intervention simulation based on Kirchhoff elastic rod. Computerized Medical Imaging and Graphics, 2014, 38, 735-743.	3.5	23
7	Flow instability detected in ruptured versus unruptured cerebral aneurysms at the internal carotid artery. Journal of Biomechanics, 2018, 72, 187-199.	0.9	23
8	A novel remote-controlled robotic system for cerebrovascular intervention. International Journal of Medical Robotics and Computer Assisted Surgery, 2018, 14, e1943.	1.2	23
9	Weakly supervised vessel segmentation in X-ray angiograms by self-paced learning from noisy labels with suggestive annotation. Neurocomputing, 2020, 417, 114-127.	3.5	23
10	Cardiovascular-interventional-surgery virtual training platform and its preliminary evaluation. International Journal of Medical Robotics and Computer Assisted Surgery, 2015, 11, 375-387.	1.2	20
11	A novel active learning framework for classification: Using weighted rank aggregation to achieve multiple query criteria. Pattern Recognition, 2019, 93, 581-602.	5.1	16
12	A novel robotic system for vascular intervention: principles, performances, and applications. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 671-683.	1.7	16
13	Intra-Operative 2-D Ultrasound and Dynamic 3-D Aortic Model Registration for Magnetic Navigation of Transcatheter Aortic Valve Implantation. IEEE Transactions on Medical Imaging, 2013, 32, 2152-2165.	5.4	15
14	A robust automated markerless registration framework for neurosurgery navigation. International Journal of Medical Robotics and Computer Assisted Surgery, 2015, 11, 436-447.	1.2	15
15	Myocardium Segmentation From DE MRI Using Multicomponent Gaussian Mixture Model and Coupled Level Set. IEEE Transactions on Biomedical Engineering, 2017, 64, 2650-2661.	2.5	15
16	Dense Correlation Network for Automated Multi-Label Ocular Disease Detection with Paired Color Fundus Photographs. , 2020, , .		15
17	Self-speculation of clinical features based on knowledge distillation for accurate ocular disease classification. Biomedical Signal Processing and Control, 2021, 67, 102491.	3.5	13
18	3D Segmentation of Medical Images Using a Fast Multistage Hybrid Algorithm. International Journal of Computer Assisted Radiology and Surgery, 2006, 1, 23-31.	1.7	12

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#	Article	IF	CITATIONS
19	Measurement of Intra-Orbital Structures in Normal Chinese Adults Based on a Three-Dimensional Coordinate System. Current Eye Research, 2018, 43, 1477-1483.	0.7	12
20	Multi-sequence myocardium segmentation with cross-constrained shape and neural network-based initialization. Computerized Medical Imaging and Graphics, 2019, 71, 49-57.	3.5	11
21	Exploring potential association between flow instability and rupture in patients with matched-pairs of ruptured–unruptured intracranial aneurysms. BioMedical Engineering OnLine, 2016, 15, 166.	1.3	10
22	Mammographic Image Classification System via Active Learning. Journal of Medical and Biological Engineering, 2019, 39, 569-582.	1.0	9
23	Novel Multistage Three-Dimensional Medical Image Segmentation: Methodology and Validation. IEEE Transactions on Information Technology in Biomedicine, 2006, 10, 740-748.	3.6	8
24	Classification of Ocular Diseases Employing Attention-Based Unilateral and Bilateral Feature Weighting and Fusion. , 2020, , .		8
25	Computer-assisted Preoperative Planning and Surgical Navigation System in Dental Implantology. , 2007, , .		7
26	An advanced hybrid cutting method with an improved state machine for surgical simulation. Computerized Medical Imaging and Graphics, 2009, 33, 63-71.	3.5	7
27	A Wavelet Frame Method with Shape Prior for Ultrasound Video Segmentation. SIAM Journal on Imaging Sciences, 2016, 9, 495-519.	1.3	7
28	Lung respiration motion modeling: a sparse motion field presentation method using biplane x-ray images. Physics in Medicine and Biology, 2017, 62, 7855-7873.	1.6	7
29	SS-CADA: A Semi-Supervised Cross-Anatomy Domain Adaptation for Coronary Artery Segmentation. , 2021, , .		7
30	Virtual Surgery Deformable Modelling Employing GPU Based Computation. , 2007, , .		6
31	BEM-based simulation of lung respiratory deformation for CT-guided biopsy. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 1585-1597.	1.7	6
32	A pilot study on magnetic navigation for transcatheter aortic valve implantation using dynamic aortic model and US image guidance. International Journal of Computer Assisted Radiology and Surgery, 2013, 8, 677-690.	1.7	5
33	Minimization of annotation work: diagnosis of mammographic masses via active learning. Physics in Medicine and Biology, 2018, 63, 115003.	1.6	5
34	Vesselness-constrained robust PCA for vessel enhancement in x-ray coronary angiograms. Physics in Medicine and Biology, 2018, 63, 155019.	1.6	5
35	Generation of a local lung respiratory motion model using a weighted sparse algorithm and motion prior-based registration. Computers in Biology and Medicine, 2020, 123, 103913.	3.9	5
36	Sparse group composition for robust left ventricular epicardium segmentation. Computerized Medical Imaging and Graphics, 2015, 46, 56-63.	3.5	4

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Task in the Robotic Scrub Nurse Application. , 2020, , .

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#	Article	IF	CITATIONS
55	The Clinical Feasibility of 2-D US and Computed Tomography Registration Technology for Human Liver Imaging. Journal of Medical Imaging and Health Informatics, 2015, 5, 1509-1512.	0.2	0
56	Target vessel identification in endoscopic coronary artery bypass grafting. , 2015, , .		0
57	Safety protection based on electromagnetic navigation in robot-assisted vascular interventional surgery. , 2017, , .		0
58	CT-ultrasound registration for electromagnetic navigation of cardiac intervention. , 2017, , .		0
59	A statistical weighted sparse-based local lung motion modelling approach for model-driven lung biopsy. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 1279-1290.	1.7	0
60	Collaborative Multi-View Convolutions With Gating For Accurate And Fast Volumetric Medical Image Segmentation. , 2021, , .		0
61	Surgical instrument segmentation method based on improved MobileNetV2 network. , 2021, , .		0