

# Zhi Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3700627/publications.pdf>

Version: 2024-02-01

25  
papers

231  
citations

1478505

6  
h-index

1058476

14  
g-index

34  
all docs

34  
docs citations

34  
times ranked

354  
citing authors

#	ARTICLE	IF	CITATIONS
1	Segmentation of cytoplasm and nuclei of abnormal cells in cervical cytology using global and local graph cuts. <i>Computerized Medical Imaging and Graphics</i> , 2014, 38, 369-380.	5.8	76
2	Early detection of cardiac allograft vasculopathy using highly automated 3-dimensional optical coherence tomography analysis. <i>Journal of Heart and Lung Transplantation</i> , 2018, 37, 992-1000.	0.6	26
3	Simultaneous Registration of Location and Orientation in Intravascular Ultrasound Pullbacks Pairs Via 3D Graph-Based Optimization. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 2550-2561.	8.9	23
4	Quantitative 3D Analysis of Coronary Wall Morphology in Heart Transplant Patients: OCT-Assessed Cardiac Allograft Vasculopathy Progression. <i>Medical Image Analysis</i> , 2018, 50, 95-105.	11.6	19
5	Plaque volume and plaque risk profile in diabetic vs. non-diabetic patients undergoing lipid-lowering therapy: a study based on 3D intravascular ultrasound and virtual histology. <i>Cardiovascular Diabetology</i> , 2017, 16, 156.	6.8	18
6	Predicting Locations of High-Risk Plaques in Coronary Arteries in Patients Receiving Statin Therapy. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 151-161.	8.9	17
7	Intravitreal Fluocinolone Acetonide May Decelerate Diabetic Retinal Neurodegeneration. , 2019, 60, 2134.		12
8	LOGISMOS-JEI: Segmentation using optimal graph search and just-enough interaction. , 2020, , 249-272.		7
9	Donor specific anti-HLA antibodies and cardiac allograft vasculopathy: A prospective study using highly automated 3-D optical coherence tomography analysis. <i>Transplant Immunology</i> , 2021, 65, 101340.	1.2	5
10	Prospective Prediction of Thin-Cap Fibroatheromas from Baseline Virtual Histology Intravascular Ultrasound Data. <i>Lecture Notes in Computer Science</i> , 2015, , 603-610.	1.3	4
11	Heart rate and early progression of cardiac allograft vasculopathy: A prospective study using highly automated 3D optical coherence tomography analysis. <i>Clinical Transplantation</i> , 2020, 34, e13773.	1.6	4
12	Non-invasive endothelial function assessment using digital reactive hyperaemia correlates with three-dimensional intravascular ultrasound and virtual histology-derived plaque volume and plaque phenotype. <i>Kardiologia Polska</i> , 2016, 74, 1485-1491.	0.6	3
13	Joint registration of location and orientation of intravascular ultrasound pullbacks using a 3D graph based method. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
14	Location-specific prediction of vulnerable plaque using IVUS, virtual histology, and spatial context. , 2016, , .		2
15	Pathologic Intimal Thickening Plaque Phenotype: Not as Innocent as Previously Thought. A Serial 3D Intravascular Ultrasound Virtual Histology Study. <i>Revista Espanola De Cardiologia (English Ed )</i> , 2017, 70, 25-33.	0.6	2
16	Endothelial dysfunction assessed by digital tonometry and discrepancy between fraction flow reserve and instantaneous wave free ratio. <i>Acta Cardiologica</i> , 2020, 75, 323-328.	0.9	2
17	Fibrous Cap Thickness Predicts Stable Coronary Plaque Progression: Early Clinical Validation of a Semiautomated OCT Technology. , 2022, , 100400.		2
18	TCT-355 An Automated Computational Method for Quantification of Total Fibrous Cap Volume and Mean Fibrous Cap Thickness with Optical Coherence Tomography. <i>Journal of the American College of Cardiology</i> , 2015, 66, B143-B144.	2.8	1

#	ARTICLE	IF	CITATIONS
19	Evaluation of Variable Thin-Cap Fibroatheroma Definitions and Association of Virtual Histology-Intravascular Ultrasound Findings With Cavity Rupture Size. American Journal of Cardiology, 2016, 118, 162-169.	1.6	1
20	Coronary artery disease prediction based on breast arterial calcification in women undergoing mammography as a screening for breast cancer. Menopause, 2021, Publish Ahead of Print, 787-791.	2.0	1
21	Quantitative Assessment and Prediction of Coronary Plaque Development Using Serial Intravascular Ultrasound and Virtual Histology. , 2020, , 121-140.		1
22	An integrated framework for spatio-temporal registration of intravascular ultrasound pullbacks. , 2015, , .		0
23	Comprehensive serial study of dynamic remodeling of atherosclerotic coronary arteries using IVUS. Proceedings of SPIE, 2016, , .	0.8	0
24	TCT-96 Progression of coronary atherosclerosis despite lipid-lowering therapy in diabetic patients compared to non-dibetic ones. Study with 3D intravascular ultrasound and virtual histology. Journal of the American College of Cardiology, 2016, 68, B39.	2.8	0
25	Validation of new marker of fluid responsiveness based on Doppler assessment of blood flow velocity in superior vena cava in mechanically ventilated pigs. Intensive Care Medicine Experimental, 2018, 6, 36.	1.9	0