

# Geert Springeling

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11537647/publications.pdf>

Version: 2024-02-01

19  
papers

615  
citations

759233

12  
h-index

1125743

13  
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19  
all docs

19  
docs citations

19  
times ranked

824  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intravascular optical coherence tomography imaging at 3200 frames per second. Optics Letters, 2013, 38, 1715.	3.3	103
2	Compressive 3D ultrasound imaging using a single sensor. Science Advances, 2017, 3, e1701423.	10.3	98
3	Heartbeat OCT: in vivo intravascular megahertz-optical coherence tomography. Biomedical Optics Express, 2015, 6, 5021.	2.9	80
4	Real-time volumetric lipid imaging in vivo by intravascular photoacoustics at 20 frames per second. Biomedical Optics Express, 2017, 8, 943.	2.9	80
5	Spectroscopic intravascular photoacoustic imaging of lipids in atherosclerosis. Journal of Biomedical Optics, 2014, 19, 026006.	2.6	63
6	Photoacoustic imaging of carotid artery atherosclerosis. Journal of Biomedical Optics, 2014, 19, 110504.	2.6	61
7	Real-time photoacoustic assessment of radiofrequency ablation lesion formation in the left atrium. Photoacoustics, 2019, 16, 100150.	7.8	29
8	Heartbeat OCT and Motion-Free 3D In-Vivo Coronary Artery Microscopy. JACC: Cardiovascular Imaging, 2016, 9, 622-623.	5.3	19
9	A Broadband Polyvinylidene Difluoride-Based Hydrophone with Integrated Readout Circuit for Intravascular Photoacoustic Imaging. Ultrasound in Medicine and Biology, 2016, 42, 1239-1243.	1.5	17
10	Structured ultrasound microscopy. Applied Physics Letters, 2018, 112, .	3.3	17
11	Impact of device geometry on the imaging characteristics of an intravascular photoacoustic catheter. Applied Optics, 2014, 53, 8131.	2.1	15
12	In vivo intravascular photoacoustic imaging of plaque lipid in coronary atherosclerosis. EuroIntervention, 2019, 15, 452-456.	3.2	14
13	Motorized capsule for shadow-free OCT imaging and synchronous beam control. Optics Letters, 2019, 44, 3641.	3.3	12
14	A Kerfless PVDF Array for Photoacoustic Imaging. , 2018, , .		2
15	Photoacoustic-Enabled RF Ablation Catheters for Lesion Monitoring. , 2018, , .		2
16	Catheter design optimization for practical intravascular photoacoustic imaging (IVPA) of vulnerable plaques. , 2018, , .		2
17	Heartbeat OCT: superfast imaging and elasticity detection. , 2016, , .		1
18	Automatic lipid detection in human coronary atherosclerosis using spectroscopic intravascular photoacoustic imaging. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
19	Notice of Removal: Acoustical compressive 3D imaging with a single sensor. , 2017, , .		0