Alexander Trumpp

List of Publications by Year
in descending order

14 papers	**245** citations

1163117

8 h-index	

1372567

10 g-index

14 all docs	**14** docs citations	**14** times ranked	**195** citing authors

#	Article	IF	Citations
1	Cardiovascular assessment by imaging photoplethysmography – a review. Biomedizinische Technik, 2018, 63, 617-634.	0.8	78
2	Camera-based photoplethysmography in an intraoperative setting. BioMedical Engineering OnLine, 2018, 17, 33.	2.7	25
3	Assessment of blind source separation techniques for video-based cardiac pulse extraction. Journal of Biomedical Optics, 2017, 22, 035002.	2.6	24
4	The value of polarization in camera-based photoplethysmography. Biomedical Optics Express, 2017, 8, 2822.	2.9	21
5	Vasomotor assessment by camera-based photoplethysmography. Current Directions in Biomedical Engineering, 2016, 2, 199-202.	0.4	20
6	Heart beat detection and analysis from videos. , 2014, , .		14
7	Association of remote imaging photoplethysmography and cutaneous perfusion in volunteers. Scientific Reports, 2020, 10, 16464.	3.3	13
8	Relation between pulse pressure and the pulsation strength in camera-based photoplethysmograms. Current Directions in Biomedical Engineering, 2017, 3, 489-492.	0.4	10
9	Improved heart rate detection for camera-based photoplethysmography by means of Kalman filtering. , 2015, , .		9
10	Remote Photoplethysmographic Assessment of the Peripheral Circulation in Critical Care Patients Recovering From Cardiac Surgery. Shock, 2019, 52, 174-182.	2.1	9
11	Spatio-temporal analysis of blood perfusion by imaging photoplethysmography. , 2018, , .		8
12	Contact-Free Optical Assessment of Changes in the Chest Wall Perfusion after Coronary Artery Bypass Grafting by Imaging Photoplethysmography. Applied Sciences (Switzerland), 2020, 10, 6537.	2.5	5
13	Skin Detection and Tracking for Camera-Based Photoplethysmography Using a Bayesian Classifier and Level Set Segmentation. Informatik Aktuell, 2017, , 43-48.	0.6	5
14	Assessment of source separation techniques to extract vital parameters from videos. , 2015, , .		4