

# Jan Odstreilik

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

649  
citations

1307594

7  
h-index

940533

16  
g-index

27  
all docs

27  
docs citations

27  
times ranked

709  
citing authors

#	ARTICLE	IF	CITATIONS
1	Retinal vessel segmentation by improved matched filtering: evaluation on a new high-resolution fundus image database. IET Image Processing, 2013, 7, 373-383.	2.5	333
2	Automatic no-reference quality assessment for retinal fundus images using vessel segmentation. , 2013, , .		104
3	Hybrid retinal image registration using phase correlation. Imaging Science Journal, 2013, 61, 369-384.	0.5	41
4	Retinal image analysis aimed at blood vessel tree segmentation and early detection of neural-layer deterioration. Computerized Medical Imaging and Graphics, 2012, 36, 431-441.	5.8	33
5	Thickness related textural properties of retinal nerve fiber layer in color fundus images. Computerized Medical Imaging and Graphics, 2014, 38, 508-516.	5.8	27
6	Registration of retinal sequences from new video-ophthalmoscopic camera. BioMedical Engineering OnLine, 2016, 15, 57.	2.7	22
7	Time-resolved quantitative inter-eye comparison of cardiac cycle-induced blood volume changes in the human retina. Biomedical Optics Express, 2018, 9, 6237.	2.9	15
8	Analysis of Visual Appearance of Retinal Nerve Fibers in High Resolution Fundus Images: A Study on Normal Subjects. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-10.	1.3	10
9	Imaging video plethysmography shows reduced signal amplitude in glaucoma patients in the area of the microvascular tissue of the optic nerve head. Graefe's Archive for Clinical and Experimental Ophthalmology, 2021, 259, 483-494.	1.9	8
10	Non-mydratic video ophthalmoscope to measure fast temporal changes of the human retina. , 2015, , .		8
11	Retinal nerve fibre layer detection in fundus camera images compared to results from optical coherence tomography. , 2011, , .		6
12	Non-mydratic video ophthalmoscope to measure fast temporal changes of the human retina. Proceedings of SPIE, 2015, , .	0.8	6
13	Blind Source Separation of Retinal Pulsatile Patterns in Optic Nerve Head Video-Recordings. IEEE Transactions on Medical Imaging, 2021, 40, 852-864.	8.9	6
14	Registration of Image Sequences from Experimental Low-Cost Fundus Camera. Lecture Notes in Computer Science, 2014, , 174-183.	1.3	5
15	Detection of distorted frames in retinal video-sequences via machine learning. Proceedings of SPIE, 2017, , .	0.8	4
16	Retinal image registration for eye movement estimation. , 2015, 2015, 5247-50.		3
17	Photoplethysmographic analysis of retinal videodata based on the Fourier domain approach. Biomedical Optics Express, 2021, 12, 7405.	2.9	3
18	Binocular video ophthalmoscope for simultaneous recording of sequences of the human retina to compare dynamic parameters. Proceedings of SPIE, 2017, , .	0.8	3

#	ARTICLE	IF	CITATIONS
19	Multispectral retinal video-ophthalmoscope with fiber optic illumination. Journal of Biophotonics, 0, , .	2.3	3
20	Retinal image analysis aimed at support of early neural-layer deterioration diagnosis. , 2009, , .		2
21	Computer analysis of isolated cardiomyocyte contraction process via advanced image processing techniques. , 2015, , .		2
22	Method for adult cardiomyocyte long-term viability monitoring using confocal microscopy techniques. , 2015, , .		1
23	Envisaging the Regulation of Alkaloid Biosynthesis and Associated Growth Kinetics in Hairy Roots of Vinca minor Through the Function of Artificial Neural Network. Applied Biochemistry and Biotechnology, 2016, 178, 1154-1166.	2.9	1
24	Eye movement analysis using a binocular video-ophthalmoscope. , 2019, 2019, 4725-4728.		1
25	Blind Source Separation of Different Retinal Pulsatile Patterns from Simultaneous Long-term Binocular Ophthalmoscopic Video-records. , 2019, 2019, 4729-4732.		1
26	Analysis of the Retinal Nerve Fiber Layer Texture Related to the Thickness Measured by Optical Coherence Tomography. Lecture Notes in Computational Vision and Biomechanics, 2015, , 19-40.	0.5	0