

# Pedro G Vaz

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

270  
citations

1163117

8  
h-index

940533

16  
g-index

26  
all docs

26  
docs citations

26  
times ranked

276  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser Speckle Imaging to Monitor Microvascular Blood Flow: A Review. IEEE Reviews in Biomedical Engineering, 2016, 9, 106-120.	18.0	89
2	Image quality of compressive single-pixel imaging using different Hadamard orderings. Optics Express, 2020, 28, 11666.	3.4	61
3	Effect of static scatterers in laser speckle contrast imaging: an experimental study on correlation and contrast. Physics in Medicine and Biology, 2018, 63, 015024.	3.0	15
4	Characterization of Optical System for Hemodynamic Multi-Parameter Assessment. Cardiovascular Engineering and Technology, 2013, 4, 87-97.	1.6	11
5	Which wavelength is the best for arterial pulse waveform extraction using laser speckle imaging?. Biomedical Signal Processing and Control, 2016, 25, 188-195.	5.7	11
6	Pulse pressure waveform estimation using distension profiling with contactless optical probe. Medical Engineering and Physics, 2014, 36, 1515-1520.	1.7	10
7	Empirical mode decomposition for self-mixing Doppler signals of hemodynamic optical probes. Physiological Measurement, 2013, 34, 377-390.	2.1	8
8	Three-Dimensional Multiscale Fuzzy Entropy: Validation and Application to Idiopathic Pulmonary Fibrosis. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 100-107.	6.3	8
9	Evaluation of COVID-19 chest computed tomography: A texture analysis based on three-dimensional entropy. Biomedical Signal Processing and Control, 2021, 68, 102582.	5.7	8
10	Signal-carrying speckle in optical coherence tomography: a methodological review on biomedical applications. Journal of Biomedical Optics, 2022, 27, .	2.6	7
11	Re-Ordering of Hadamard Matrix Using Fourier Transform and Gray-Level Co-Occurrence Matrix for Compressive Single-Pixel Imaging in Low Resolution Images. IEEE Access, 2022, 10, 46975-46985.	4.2	7
12	Colored Texture Analysis Fuzzy Entropy Methods with a Dermoscopic Application. Entropy, 2022, 24, 831.	2.2	7
13	Optical Coherence Tomography Imaging of the Lamina Cribrosa: Structural Biomarkers in Nonglaucomatous Diseases. Journal of Ophthalmology, 2021, 2021, 1-31.	1.3	6
14	Signal (Stream) synchronization with White noise sources, in biomedical applications. Biomedical Signal Processing and Control, 2015, 18, 394-400.	5.7	5
15	Automatic Segmentation of the Optic Nerve Head Region in Optical Coherence Tomography: A Methodological Review. Computer Methods and Programs in Biomedicine, 2022, 220, 106801.	4.7	4
16	Bidimensional Colored Fuzzy Entropy Measure: a Cutaneous Microcirculation Study. , 2019, , .		3
17	Compressive single pixel phosphorescence lifetime and intensity simultaneous imaging: a pilot study using oxygen sensitive biomarkers. , 2021, , .		3
18	Laser speckle contrast analysis for pulse waveform extraction. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
19	An automatic method for motion artifacts detection in photoplethysmographic signals referenced with electrocardiography data. , 2014, , .		2
20	Submicron Surface Vibration Profiling Using Doppler Self-Mixing Techniques. Advances in Optics, 2014, 2014, 1-7.	0.3	1
21	Supination/pronation movement quantification using stereoscopic vision based system towards Parkinsonâ€™s Disease assessment â€“ A pilot study. Biomedical Signal Processing and Control, 2020, 60, 101976.	5.7	1
22	New optical probe approach using mixing effect in planar photodiode for biomedical applications. , 2013, , .		0
23	Use of laser speckle and entropy computation to segment images of diffuse objects with longitudinal motion. , 2014, , .		0
24	Laser speckle contrast analysis for pulse waveform extraction. , 2015, , .		0
25	Methods for Hemodynamic Parameters Measurement using the Laser Speckle Effect in Macrocirculation. , 2017, , .		0
26	Laser based sensors for hemodynamic parameters measurement. , 2017, , .		0