Francisco E Robles

List of Publications by Year
in descending order

31 papers	655 citations	687363 13 h-index	752698 20 g-index
31 all docs	31 docs citations	31 times ranked	593 citing authors

#	Article	IF	Citations
1	Molecular imaging true-colour spectroscopic optical coherence tomography. Nature Photonics, 2011, 5, 744-747.	31.4	189
2	Quantitative 3D refractive index tomography of opaque samples in epi-mode. Optica, 2021, 8, 6.	9.3	52
3	Epi-mode tomographic quantitative phase imaging in thick scattering samples. Biomedical Optics Express, 2019, 10, 3605.	2.9	49
4	Phasor analysis for nonlinear pump-probe microscopy. Optics Express, 2012, 20, 17082.	3.4	44
5	Label-free hematology analysis using deep-ultraviolet microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14779-14789.	7.1	38
6	Deep UV dispersion and absorption spectroscopy of biomolecules. Biomedical Optics Express, 2019, 10, 487.	2.9	34
7	Nonlinear phase dispersion spectroscopy. Optics Letters, 2011, 36, 4665.	3.3	32
8	Ultraviolet Hyperspectral Interferometric Microscopy. Scientific Reports, 2018, 8, 9913.	3.3	31
9	Dual-wavelength oblique back-illumination microscopy for the non-invasive imaging and quantification of blood in collection and storage bags. Biomedical Optics Express, 2018, 9, 2743.	2.9	28
10	Separating the scattering and absorption coefficients using the real and imaginary parts of the refractive index with low-coherence interferometry. Optics Letters, 2010, 35, 2843.	3.3	27
11	Towards in-vivo label-free detection of brain tumor margins with epi-illumination tomographic quantitative phase imaging. Biomedical Optics Express, 2021, 12, 1621.	2.9	24
12	Noninvasive white blood cell quantification in umbilical cord blood collection bags with quantitative oblique backâ€illumination microscopy. Transfusion, 2020, 60, 588-597.	1.6	19
13	Hemoglobin quantification in red blood cells via dry mass mapping based on UV absorption. Journal of Biomedical Optics, 2021, 26, .	2.6	17
14	Prostate cancer histopathology using label-free multispectral deep-UV microscopy quantifies phenotypes of tumor aggressiveness and enables multiple diagnostic virtual stains. Scientific Reports, 2022, 12, .	3.3	17
15	Label-Free Imaging of Female Genital Tract Melanocytic Lesions With Pump-Probe Microscopy: A Promising Diagnostic Tool. Journal of Lower Genital Tract Disease, 2017, 21, 137-144.	1.9	12
16	Ultraviolet hyperspectral microscopy using chromatic-aberration-based iterative phase recovery. Optics Letters, 2020, 45, 2708.	3.3	10
17	Optimization of a flexible fiber-optic probe for epi-mode quantitative phase imaging. Optics Express, 2022, 30, 17713.	3.4	10
18	Virtual Staining, Segmentation, and Classification of Blood Smears for Label-Free Hematology Analysis. BME Frontiers, 2022, 2022, .	4.5	9

#	Article	IF	Citations
19	Label-free automated neutropenia detection and grading using deep-ultraviolet microscopy. Biomedical Optics Express, 2021, 12, 6115.	2.9	8
20	Functional imaging with dynamic quantitative oblique back-illumination microscopy. Journal of Biomedical Optics, 2022, 27, .	2.6	3
21	Compact and low-cost deep-ultraviolet microscope for point-of-care complete blood count analysis. , 2022, , .		1
22	Automated virtual staining, segmentation and classification of deep ultraviolet (UV) microscopy images for hematological analysis. , 2022, , .		1
23	Label-free identification of neutropenia using deep-ultraviolet microscopy. , 2019, , .		0
24	Ultraviolet multi-spectral microscopy using iterative phase-recovery from chromatic aberrations. , 2019, , .		0
25	Ultraviolet hyperspectral interferometric microscopy. , 2019, , .		0
26	Label-free hematological assessment of neutropenia using a microfluidic device and deep-UV microscopy. , 2022, , .		0
27	Label-free multiscale dynamic imaging using 3D phase contrast and deep UV microscopy. , 2022, , .		0
28	Deep Learning Enabled Single-Capture Epi-illumination Tomographic Quantitative Phase Imaging. , 2022, , .		0
29	Label-Free Deep UV Microscopy Identifies Basal Cells in Prostate Gland: A Powerful Endogenous Negative Biomarker of Carcinoma. , 2022, , .		0
30	Dynamic Functional Imaging with Epi-Illumiantion Quantitative Phase Tomography. , 2022, , .		0
31	A Universal Approach to Optimize the Design of an Imaging Probe for Quantitative Oblique Back-illumination Microscopy. , 2022, , .		0