

Francisco E Robles

List of Publications by Year in descending order

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Version: 2024-02-01

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	Compact and low-cost deep-ultraviolet microscope for point-of-care complete blood count analysis. , 2022, , .		1
2	Label-free hematological assessment of neutropenia using a microfluidic device and deep-UV microscopy. , 2022, , .		0
3	Label-free multiscale dynamic imaging using 3D phase contrast and deep UV microscopy. , 2022, , .		0
4	Optimization of a flexible fiber-optic probe for epi-mode quantitative phase imaging. Optics Express, 2022, 30, 17713.	3.4	10
5	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
6	Deep Learning Enabled Single-Capture Epi-illumination Tomographic Quantitative Phase Imaging. , 2022, , .		0
7	Label-Free Deep UV Microscopy Identifies Basal Cells in Prostate Gland: A Powerful Endogenous Negative Biomarker of Carcinoma. , 2022, , .		0
8	Dynamic Functional Imaging with Epi-Illumination Quantitative Phase Tomography. , 2022, , .		0
9	A Universal Approach to Optimize the Design of an Imaging Probe for Quantitative Oblique Back-illumination Microscopy. , 2022, , .		0
10	Automated virtual staining, segmentation and classification of deep ultraviolet (UV) microscopy images for hematological analysis. , 2022, , .		1
11	Functional imaging with dynamic quantitative oblique back-illumination microscopy. Journal of Biomedical Optics, 2022, 27, .	2.6	3
12	Virtual Staining, Segmentation, and Classification of Blood Smears for Label-Free Hematology Analysis. BME Frontiers, 2022, 2022, .	4.5	9
13	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
14	Hemoglobin quantification in red blood cells via dry mass mapping based on UV absorption. Journal of Biomedical Optics, 2021, 26, .	2.6	17
15	Label-free automated neutropenia detection and grading using deep-ultraviolet microscopy. Biomedical Optics Express, 2021, 12, 6115.	2.9	8
16	Quantitative 3D refractive index tomography of opaque samples in epi-mode. Optica, 2021, 8, 6.	9.3	52
17	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
18	Noninvasive white blood cell quantification in umbilical cord blood collection bags with quantitative oblique back-illumination microscopy. Transfusion, 2020, 60, 588-597.	1.6	19

#	ARTICLE	IF	CITATIONS
19	Ultraviolet hyperspectral microscopy using chromatic-aberration-based iterative phase recovery. Optics Letters, 2020, 45, 2708.	3.3	10
20	Deep UV dispersion and absorption spectroscopy of biomolecules. Biomedical Optics Express, 2019, 10, 487.	2.9	34
21	Epi-mode tomographic quantitative phase imaging in thick scattering samples. Biomedical Optics Express, 2019, 10, 3605.	2.9	49
22	Label-free identification of neutropenia using deep-ultraviolet microscopy. , 2019, , .		0
23	Ultraviolet multi-spectral microscopy using iterative phase-recovery from chromatic aberrations. , 2019, , .		0
24	Ultraviolet hyperspectral interferometric microscopy. , 2019, , .		0
25	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
26	Ultraviolet Hyperspectral Interferometric Microscopy. Scientific Reports, 2018, 8, 9913.	3.3	31
27	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
28	Phasor analysis for nonlinear pump-probe microscopy. Optics Express, 2012, 20, 17082.	3.4	44
29	Nonlinear phase dispersion spectroscopy. Optics Letters, 2011, 36, 4665.	3.3	32
30	Molecular imaging true-colour spectroscopic optical coherence tomography. Nature Photonics, 2011, 5, 744-747.	31.4	189
31	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