

# Alexandre Douplik

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

326  
citations

933447

10  
h-index

839539

18  
g-index

31  
all docs

31  
docs citations

31  
times ranked

462  
citing authors

#	ARTICLE	IF	CITATIONS
1	Remote PPG Imaging by a Consumer-grade Camera under Rest and Elevation-invoked Physiological Stress Reveals Mayer Waves and Venous Outflow. , 2022, , .		1
2	Feasibility of Specular Reflection Imaging for Extraction of Neck Vessel Pressure Waveforms. Frontiers in Bioengineering and Biotechnology, 2022, 10, 830231.	4.1	8
3	Towards Development of Specular Reflection Vascular Imaging. Sensors, 2022, 22, 2830.	3.8	4
4	Contrast Ratio during Visualization of Subsurface Optical Inhomogeneities in Turbid Tissues: Perturbation Analysis. , 2021, , .		1
5	Water-sensitive Gelatin Phantoms for Skin Water Content Imaging. , 2020, , .		0
6	Extraction of Intrinsic Fluorescence in Fluorescence Imaging of Turbid Tissues. , 2020, , .		0
7	Feasibility of photoacoustic imaging for the non-invasive quality management of stored blood bags. Vox Sanguinis, 2019, 114, 701-710.	1.5	4
8	Spatio-angular filter (SAF) imaging device for deep interrogation of scattering media. Biomedical Optics Express, 2019, 10, 4656.	2.9	1
9	Non-labeled lensless micro-endoscopic approach for cellular imaging through highly scattering media. Bioscience Reports, 2018, 38, .	2.4	4
10	Photoacoustic measurements of red blood cell oxygen saturation in blood bags in situ. Proceedings of SPIE, 2017, , .	0.8	1
11	Microvascular contrast enhancement in optical coherence tomography using microbubbles. Journal of Biomedical Optics, 2016, 21, 076014.	2.6	14
12	Mathematical Model of an Innate Immune Response to Cutaneous Wound in the Presence of Local Hypoxia. Advances in Experimental Medicine and Biology, 2016, 923, 427-433.	1.6	0
13	Blood flow contrast enhancement in optical coherence tomography using microbubbles: a phantom study. , 2016, , .		0
14	Contrast enhancement for diffuse reflectance imaging by microbubbles. , 2016, , .		0
15	Study optical properties of biological tissue in the presence of microbubbles. , 2015, , .		0
16	Reflectance of Biological Turbid Tissues under Wide Area Illumination: Single Backward Scattering Approach. International Journal of Photoenergy, 2014, 2014, 1-8.	2.5	5
17	Optical Scattering Properties of Intralipid Phantom in Presence of Encapsulated Microbubbles. International Journal of Photoenergy, 2014, 2014, 1-9.	2.5	27
18	Diffuse reflectance spectroscopy in Barrett's Esophagus: developing a large field-of-view screening method discriminating dysplasia from metaplasia. Journal of Biophotonics, 2014, 7, 304-311.	2.3	21

#	ARTICLE	IF	CITATIONS
19	Optoacoustic monitoring of cutting efficiency and thermal damage during laser ablation. <i>Lasers in Medical Science</i> , 2014, 29, 1029-1035.	2.1	13
20	Optical Detection of a Capillary Grid Spatial Pattern in Epithelium by Spatially Resolved Diffuse Reflectance Probe: Monte Carlo Verification. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014, 20, 187-195.	2.9	2
21	REAL-TIME OPTICAL MONITORING OF CAPILLARY GRID SPATIAL PATTERN IN EPITHELIUM BY SPATIALLY RESOLVED DIFFUSE REFLECTANCE PROBE. <i>Journal of Innovative Optical Health Sciences</i> , 2012, 05, 1250005.	1.0	7
22	In Vivo Optical Tissue Differentiation by Diffuse Reflectance Spectroscopy. <i>Surgical Innovation</i> , 2012, 19, 385-393.	0.9	22
23	Normalized autofluorescence imaging diagnostics in upper GI tract: a new method to improve specificity in neoplasia detection. <i>International Journal of Clinical and Experimental Pathology</i> , 2012, 5, 956-64.	0.5	6
24	Optical Nerve Detection by Diffuse Reflectance Spectroscopy for Feedback Controlled Oral and Maxillofacial Laser Surgery. <i>Journal of Translational Medicine</i> , 2011, 9, 20.	4.4	33
25	LIMITATIONS OF CANCER MARGIN DELINEATION BY MEANS OF AUTOFLUORESCENCE IMAGING UNDER CONDITIONS OF LASER SURGERY. <i>Journal of Innovative Optical Health Sciences</i> , 2010, 03, 45-51.	1.0	12
26	Assessment of photobleaching during endoscopic autofluorescence imaging of the lower GI tract. <i>Lasers in Surgery and Medicine</i> , 2010, 42, 224-231.	2.1	7
27	Diffuse reflectance spectroscopy for optical soft tissue differentiation as remote feedback control for tissue-specific laser surgery. <i>Lasers in Surgery and Medicine</i> , 2010, 42, 319-325.	2.1	39
28	Diffuse reflectance spectroscopy for optical nerve identification. <i>Physics Procedia</i> , 2010, 5, 647-654.	1.2	1
29	Feasibility study of autofluorescence mammary ductoscopy. <i>Journal of Biomedical Optics</i> , 2009, 14, 1.	2.6	14
30	Silicon nanoparticles produced by femtosecond laser ablation in water as novel contamination-free photosensitizers. <i>Journal of Biomedical Optics</i> , 2009, 14, 021010.	2.6	79