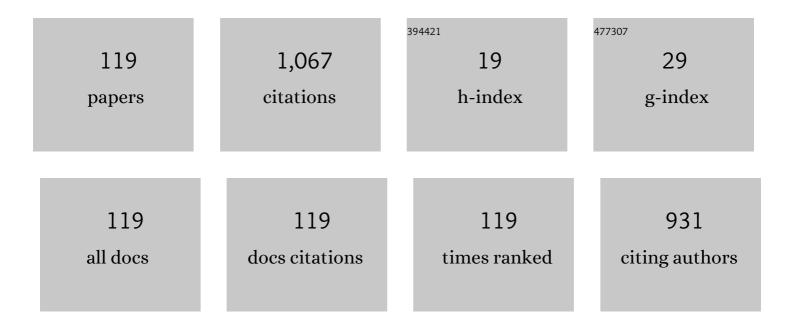
List of Publications by Year in descending order

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Ιινλ Τυρςμιν

#	Article	IF	CITATIONS
1	Complementary use of cross-polarization and standard OCT for differential diagnosis of pathological tissues. Optics Express, 2002, 10, 707.	3.4	76
2	Novel algorithm of processing optical coherence tomography images for differentiation of biological tissue pathologies. Journal of Biomedical Optics, 2005, 10, 064024.	2.6	75
3	Flavoprotein miniSOG as a genetically encoded photosensitizer for cancer cells. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 5059-5067.	2.4	69
4	Phototoxic effects of fluorescent protein KillerRed on tumor cells in mice. Journal of Biophotonics, 2013, 6, 283-290.	2.3	49
5	Frequency-domain diffuse optical tomography with single source-detector pair for breast cancer detection. Laser Physics Letters, 2008, 5, 321-327.	1.4	37
6	A novel far-red fluorescent xenograft model of ovarian carcinoma for preclinical evaluation of HER2-targeted immunotoxins. Oncotarget, 2015, 6, 30919-30928.	1.8	32
7	Fluorescent immunolabeling of cancer cells by quantum dots and antibody scFv fragment. Journal of Biomedical Optics, 2009, 14, 021004.	2.6	31
8	Simultaneous photoacoustic and optically mediated ultrasound microscopy: phantom study. Optics Letters, 2012, 37, 4606.	3.3	31
9	Simultaneous photoacoustic and optically mediated ultrasound microscopy: an in vivo study. Biomedical Optics Express, 2015, 6, 631.	2.9	28
10	Lifetime imaging of FRET between red fluorescent proteins. Journal of Biophotonics, 2010, 3, 774-783.	2.3	25
11	Fluorescence diffuse tomography for detection of red fluorescent protein expressed tumors in small animals. Journal of Biomedical Optics, 2008, 13, 041310.	2.6	23
12	Optimal wavelengths for optoacoustic measurements of blood oxygen saturation in biological tissues. Biomedical Optics Express, 2016, 7, 3979.	2.9	23
13	Fluence compensation in raster-scan optoacoustic angiography. Photoacoustics, 2017, 8, 59-67.	7.8	23
14	Estimation of chlorin-based photosensitizer penetration depth prior to photodynamic therapy procedure with dual-wavelength fluorescence imaging. Laser Physics Letters, 2018, 15, 126202.	1.4	23
15	Raster-scan optoacoustic angiography of blood vessel development in colon cancer models. Photoacoustics, 2019, 13, 25-32.	7.8	23
16	Comparative analysis of single- and dual-wavelength photodynamic therapy regimes with chlorin-based photosensitizers: animal study. Journal of Biomedical Optics, 2019, 25, 1.	2.6	23
17	Optical coherence tomography for in situ monitoring of laser corneal ablation. Journal of Biomedical Optics, 2002, 7, 633.	2.6	22
18	Photobleaching and phototoxicity of KillerRed in tumor spheroids induced by continuous wave and pulsed laser illumination. Journal of Biophotonics, 2015, 8, 952-960.	2.3	22

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19	Compact and fully automated system for monitoring photodynamic therapy, based on two LEDs and a single CCD. Laser Physics Letters, 2015, 12, 115602.	1.4	20
20	Simultaneous in vivo imaging of diffuse optical reflectance, optoacoustic pressure, and ultrasonic scattering. Biomedical Optics Express, 2016, 7, 3951.	2.9	19
21	<italic>In vivo</italic> study of photosensitizer pharmacokinetics by fluorescence transillumination imaging. Journal of Biomedical Optics, 2010, 15, 048004.	2.6	17
22	Methods of biomedical optical imaging: from subcellular structures to tissues and organs. Physics-Uspekhi, 2016, 59, 487-501.	2.2	17
23	Combination of virtual point detector concept and fluence compensation in acoustic resolution photoacoustic microscopy. Journal of Biomedical Optics, 2018, 23, 1.	2.6	17
24	Simultaneous triple-modality imaging of diffuse reflectance, optoacoustic pressure and ultrasonic scattering using an acoustic-resolution photoacoustic microscope: feasibility study. Laser Physics Letters, 2016, 13, 025605.	1.4	16
25	Raster-scan optoacoustic angiography reveals 3D microcirculatory changes during cuffed occlusion. Laser Physics Letters, 2018, 15, 045602.	1.4	16
26	A Diplexer Based on an Open Resonator with Corrugated Mirrors. Technical Physics Letters, 2005, 31, 709.	0.7	15
27	Towards PDT with Genetically Encoded Photosensitizer KillerRed: A Comparison of Continuous and Pulsed Laser Regimens in an Animal Tumor Model. PLoS ONE, 2015, 10, e0144617.	2.5	14
28	Monitoring of chlorin-based photosensitiser localisation with dual-wavelength fluorescence imaging: numerical simulations. Quantum Electronics, 2019, 49, 63-69.	1.0	14
29	Proximal Imaging of Changes in Photochemical Reflectance Index in Leaves Based on Using Pulses of Green-Yellow Light. Remote Sensing, 2021, 13, 1762.	4.0	13
30	Wideband linear detector arrays for optoacoustic imaging based on polyvinylidene difluoride films. Journal of Biomedical Optics, 2018, 23, 1.	2.6	12
31	Probing depth in diffuse reflectance spectroscopy of biotissues: a Monte Carlo study. Laser Physics Letters, 2022, 19, 035602.	1.4	12
32	Fluorescence diffuse tomography of small animals with DsRed2 fluorescent protein. Laser Physics, 2006, 16, 741-746.	1.2	11
33	Imaging of QDs-labeled tumors in small animals by fluorescence diffuse tomography. Laser Physics Letters, 2006, 3, 208-211.	1.4	11
34	Comparative study of tumor hypoxia by diffuse optical spectroscopy and immunohistochemistry in two tumor models. Journal of Biophotonics, 2010, 3, 743-751.	2.3	11
35	Towards Bimodal Optical Monitoring of Photodynamic Therapy with Targeted Nanoconstructs: A Phantom Study. Applied Sciences (Switzerland), 2019, 9, 1918.	2.5	10
36	Evaluation of oxygenation in the surface layers of biological tissues based on diffuse optical spectroscopy with automated calibration of measurements. Quantum Electronics, 2019, 49, 628-632.	1.0	10

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37	Fluorescence imaging for photodynamic therapy of non-melanoma skin malignancies – A retrospective clinical study. Photonics & Lasers in Medicine, 2016, 5, 101-111.	0.2	9
38	Diffuse optical spectroscopy monitoring of oxygen state and hemoglobin concentration during SKBR-3 tumor model growth. Laser Physics Letters, 2017, 14, 015601.	1.4	9
39	Noninvasive optoacoustic microangiography reveals dose and size dependency of radiation-induced deep tumor vasculature remodeling. Neoplasia, 2022, 26, 100778.	5.3	9
40	Fibreoptic fluorescent microscopy in studying biological objects. Quantum Electronics, 2010, 40, 842-846.	1.0	8
41	Fluorescence diffuse tomography technique with autofluorescence removal based on dispersion of biotissue optical properties. Laser Physics Letters, 2013, 10, 075601.	1.4	8
42	Dual-Wavelength Fluorescence Monitoring of Photodynamic Therapy: From Analytical Models to Clinical Studies. Cancers, 2021, 13, 5807.	3.7	8
43	Multiple Backscattering Effects in Optical Coherence Tomography Images of Layered Turbid Media. Radiophysics and Quantum Electronics, 2003, 46, 565-576.	0.5	7
44	Diffuse optical spectroscopy assessment of rodent tumor model oxygen state after single-dose irradiation. Biomedical Physics and Engineering Express, 2019, 5, 035010.	1.2	7
45	Combined Fluorescence and Optoacoustic Imaging for Monitoring Treatments against CT26 Tumors with Photoactivatable Liposomes. Cancers, 2022, 14, 197.	3.7	7
46	Trans-illumination fluorescence imaging of deep-seated tumors in small animals. Photonics & Lasers in Medicine, 2015, 4, .	0.2	6
47	Quantitative techniques for extraction of blood oxygenation from multispectral optoacoustic measurements. Laser Physics Letters, 2019, 16, 116201.	1.4	6
48	Analytical model of fluorescence intensity for the estimation of fluorophore localisation in biotissue with dual-wavelength fluorescence imaging. Quantum Electronics, 2021, 51, 95-103.	1.0	6
49	Two-Wavelength Fluorescence Monitoring and Planning of Photodynamic Therapy. Sovremennye Tehnologii V Medicine, 2017, 9, 96.	1.1	6
50	New Approaches in Broadband Fiber-Optical Interferometry for Optical Coherent Tomography. Radiophysics and Quantum Electronics, 2003, 46, 550-564.	0.5	5
51	Noninvasive estimation of the oxygen status of experimental tumors by diffuse optical spectroscopy. Biophysics (Russian Federation), 2011, 56, 304-308.	0.7	5
52	Method of measuring blood oxygenation based on spectroscopy of diffusely scattered light. Quantum Electronics, 2017, 47, 355-360.	1.0	5
53	Quantification of microvasculature parameters based on optoacoustic angiography data. Laser Physics Letters, 2021, 18, 035602.	1.4	5
54	Shadow noise in OCT images of biological tissues. Quantum Electronics, 2008, 38, 543-550.	1.0	4

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55	Method of bimodal photoacoustic and ultrasound microscopy for simultaneous structural and functional diagnostics of biotissues. Doklady Physics, 2014, 59, 59-61.	0.7	4
56	Complementary bimodal approach to monitoring of photodynamic therapy with targeted nanoconstructs: numerical simulations. Quantum Electronics, 2019, 49, 43-51.	1.0	4
57	Fluorescent Monitoring of Photodynamic Therapy for Skin Cancer in Clinical Practice. Sovremennye Tehnologii V Medicine, 2015, 7, 75-83.	1.1	4
58	Diffuse Optical Spectroscopy Monitoring of Experimental Tumor Oxygenation after Red and Blue Light Photodynamic Therapy. Photonics, 2022, 9, 19.	2.0	4
59	Novel optical spectroscopy system for breast cancer diagnostics. , 2007, , .		3
60	Reconstruction of object location for diffuse fluorescence tomography on the basis of hybrid models of light scattering in biotissues. Radiophysics and Quantum Electronics, 2011, 54, 197-209.	0.5	3
61	A technique for measuring oxygen saturation in biological tissues based on diffuse optical spectroscopy. Proceedings of SPIE, 2017, , .	0.8	3
62	Current Methods for the Assessment of Oxygen Status and Biotissue Microcirculation Condition: Diffuse Optical Spectroscopy (Review). Sovremennye Tehnologii V Medicine, 2018, 10, 183.	1.1	3
63	Combined Application of Dual-Wavelength Fluorescence Monitoring and Contactless Thermometry during Photodynamic Therapy of Basal Cell Skin Cancer. Sovremennye Tehnologii V Medicine, 2020, 12, 47.	1.1	3
64	Spectrally resolved fluorescence diffuse tomography of biological tissues. Quantum Electronics, 2010, 40, 531-537.	1.0	2
65	Three-Dimensional In Vivo Imaging of Tumors Expressing Red Fluorescent Proteins. Methods in Molecular Biology, 2012, 872, 97-114.	0.9	2
66	Fluence compensated optoacoustic measurements of blood oxygen saturation in vivo at two optimal wavelengths. , 2017, , .		2
67	Biomedical Optoacoustic Tomograph Based on a Cylindrical Focusing PVDF Antenna. Radiophysics and Quantum Electronics, 2017, 60, 233-239.	0.5	2
68	High-Resolution Ultrasound Technologies for Studying Biological Objects. Bulletin of the Russian Academy of Sciences: Physics, 2018, 82, 502-506.	0.6	2
69	Reconstruction of fluorophore concentration distribution in diffuse fluorescence tomography based on Tikhonov regularisation and nonnegativity condition. Quantum Electronics, 2021, 51, 400-407.	1.0	2
70	Special Section Guest Editorial: Topical Problems of Biophotonics: from Optical Bioimaging to Clinical Biophotonics. Journal of Biomedical Optics, 2018, 23, 1.	2.6	2
71	<title>Excimer laser ophthalmic system optical coherence tomography</title> ., 2001, , .		1

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73	Whole-body imaging of HER2/neu-overexpressing tumors using scFv-antibody conjugated quantum dots. , 2010, , .		1
74	Study of photosensitizers pharmacokinetics in mouse tumor model by transillumination fluorescence imaging in vivo. , 2011, , .		1
75	Correlation characteristics of optical coherence tomography images of turbid media with statistically inhomogeneous optical parameters. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 691-703.	2.3	1
76	Method of optical coherence tomography with parallel depth-resolved signal reception and fibre-optic phase modulators. Quantum Electronics, 2013, 43, 1165-1169.	1.0	1
77	Comparing reconstruction algorithms for the 2D optoacoustic tomography of biological tissues. Bulletin of the Russian Academy of Sciences: Physics, 2016, 80, 1237-1241.	0.6	1
78	Dynamic influence of pentoxifylline on the oxygen status of Pliss's lymph sarcoma in rat. Frontiers of Optoelectronics, 2017, 10, 317-322.	3.7	1
79	Quantitative optical diagnostics in pathology recognition and monitoring of tissue reaction to PDT. Proceedings of SPIE, 2017, , .	0.8	1
80	Estimation of Chlorine-based Photosensitizer Penetration Depth Prior to PDT Procedure from Two-wavelength Excitation Fluorescence Measurements. , 2018, , .		1
81	THE ROLE OF DIFFUSE OPTICAL SPECTROSCOPY IN THE DIAGNOSIS OF BREAST CANCER (CASE REPORT). Siberian Journal of Oncology, 2019, 18, 92-101.	0.3	1
82	Complementary fluorescence and optoacoustic imaging for monitoring of photodynamic therapy of glioma employing BPD based nanoconstructs: pilot animal studies. , 2020, , .		1
83	<title>Methods of optical tomography in biomedicine</title> ., 2005, , .		Ο
84	Frequency domain fluorescent diffuse tomography of small animals with DsRed2-expressed tumors. , 2006, 6098, 76.		0
85	<title>Frequency domain fluorescence diffuse tomography of small animals</title> . Proceedings of SPIE, 2007, , .	0.8	Ο
86	<title>Frequency-domain photon density wave setup with multicolor illumination at 684, 794, and 1060 nm</title> . , 2007, , .		0
87	Diffuse fluorescence tomography of exo- and endogenously labeled tumors. Proceedings of SPIE, 2007,	0.8	Ο
88	<title>Fluorescence diffuse tomography for tumor detection and monitoring</title> . , 2007, , .		0
89	Fluorescence diffuse tomography for detection of RFP-expressed tumors in small animals. , 2007, , .		0
90	Reconstruction of fluorophore distribution for fluorescence diffuse tomography based on hybrid model. , 2009, , .		0

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91	Reconstruction in fluorescence diffuse tomography based on non-negativity condition. Proceedings of SPIE, 2013, , .	0.8	0
92	Tumor-stem cells interactions by fluorescence imaging. Proceedings of SPIE, 2013, , .	0.8	0
93	Biophotonics symposium – A scientific cruise. Photonics & Lasers in Medicine, 2014, 3, .	0.2	0
94	Fluorescence lifetime imaging for deep-seated fluorophore in turbid medium. , 2015, , .		0
95	Fluorescence lifetime imaging of deep-seated fluorophore in turbid medium. Proceedings of SPIE, 2015,	0.8	0
96	From optical bioimaging to clinical biophotonics. Photonics & Lasers in Medicine, 2016, 5, .	0.2	0
97	Triple-modality imaging of optoacoustic pressure, ultrasonic scattering, and optical diffuse reflectance with improved resolution and speed. , 2016, , .		0
98	Oxygenation level and hemoglobin concentration in experimental tumor estimated by diffuse optical spectroscopy. , 2017, , .		0
99	Optical techniques for advancement of photodynamic therapy: from model experiments to clinical studies. , 2018, , .		0
100	Wideband optoacoustic detectors for multi-scale characterization of the vasculature. , 2018, , .		0
101	In vivo applications of raster-scan optoacoustic angiography. , 2021, , .		0
102	Optical Bioimaging as a Tool for Prognosis of Oncologic and Functional Results of PDT of Non-Melanoma Skin Carcinoma. , 2016, , .		0
103	Optical and ultrasound methods for detection of chemotherapy-induced changes of breast tumors blood supply. , 2016, , .		0
104	Simultaneous in vivo imaging of diffuse optical reflectance, optoacoustic pressure and ultrasonic scattering (Conference Presentation). , 2017, , .		0
105	The Complex Evaluation of Breast Cancer Metabolism and Blood Supply in Neoadjuvant Polychemotherapy. , 2018, , .		0
106	Two-color fluorescence monitoring in PDT treatment. , 2018, , .		0
107	Analysis of different approaches for blood oxygenation determination from multispectral optoacoustic measurements. , 2019, , .		0
108	Monitoring of photodynamic therapy with target nanoconstructs by fluorescence and optoacoustic imaging: numerical simulations and phantom study. , 2019, , .		0

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109	Red and blue light photodynamic therapy regimes: optical monitoring and histology studies. , 2019, , .		0
110	Dual-wavelength fluorescence localization of chlorin-based photosensitizer. , 2019, , .		0
111	Optoacoustic angiography of experimental tumors. , 2019, , .		Ο
112	In Vivo Raster-Scan Optoacoustic Angiography of Superficial Tissues. , 2020, , .		0
113	Combined fluorescence and optoacoustic imaging for monitoring the efficiency of photodynamic therapy with BPD based nanoconstructs. , 2020, , .		0
114	Development of photodynamic therapy protocols with assistance of optical monitoring techniques. , 2020, , .		0
115	Dual-wavelength fluorescence imaging for photodynamic therapy planning and monitoring. , 2020, , .		Ο
116	Applications of raster-scan optoacoustic angiography in experimental oncology. , 2021, , .		0
117	Quantification of microvasculature parameters in normal and pathological tissues based on three-dimensional raster-scan optoacoustic angiography. , 2021, , .		Ο
118	Optoacoustic and Diffuse Optical Spectroscopy Monitoring of Tumor Response to Radiation Therapy. , 2022, , .		0
119	Quantitative Characterization of Age-Related Changes in Peripheral Vessels of a Human Palm Using Raster-Scan Optoacoustic Angiography. Photonics, 2022, 9, 482.	2.0	Ο