

Paola Taroni

List of Publications by Year in descending order

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262
papers

6,098
citations

57758

44
h-index

85541

71
g-index

263
all docs

263
docs citations

263
times ranked

3689
citing authors

#	ARTICLE	IF	CITATIONS
1	A solid tissue phantom for photon migration studies. <i>Physics in Medicine and Biology</i> , 1997, 42, 1971-1979.	3.0	249
2	Time-resolved fluorescence imaging in biology and medicine. <i>Journal Physics D: Applied Physics</i> , 2002, 35, R61-R76.	2.8	217
3	In vivo absorption and scattering spectroscopy of biological tissues. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 124.	2.9	188
4	Performance assessment of photon migration instruments: the MEDPHOT protocol. <i>Applied Optics</i> , 2005, 44, 2104.	2.1	185
5	In vivo optical characterization of human tissues from 610 to 1010 nm by time-resolved reflectance spectroscopy. <i>Physics in Medicine and Biology</i> , 2001, 46, 2227-2237.	3.0	169
6	Nondestructive quantification of chemical and physical properties of fruits by time-resolved reflectance spectroscopy in the wavelength range 650-1000 nm. <i>Applied Optics</i> , 2001, 40, 538.	2.1	146
7	Bulk optical properties and tissue components in the female breast from multiwavelength time-resolved optical mammography. <i>Journal of Biomedical Optics</i> , 2004, 9, 1137.	2.6	133
8	Review of optical breast imaging and spectroscopy. <i>Journal of Biomedical Optics</i> , 2016, 21, 091311.	2.6	131
9	Optical biopsy of bone tissue: a step toward the diagnosis of bone pathologies. <i>Journal of Biomedical Optics</i> , 2004, 9, 474.	2.6	120
10	Clinical trial of time-resolved scanning optical mammography at 4 wavelengths between 683 and 975 nm. <i>Journal of Biomedical Optics</i> , 2004, 9, 464.	2.6	115
11	Time-resolved optical mammography between 637 and 985 nm: clinical study on the detection and identification of breast lesions. <i>Physics in Medicine and Biology</i> , 2005, 50, 2469-2488.	3.0	113
12	Experimental test of theoretical models for time-resolved reflectance. <i>Medical Physics</i> , 1996, 23, 1625-1633.	3.0	111
13	Noninvasive absorption and scattering spectroscopy of bulk diffusive media: An application to the optical characterization of human breast. <i>Applied Physics Letters</i> , 1999, 74, 874-876.	3.3	108
14	Spectroscopic time-resolved diffuse reflectance and transmittance measurements of the female breast at different interfiber distances. <i>Journal of Biomedical Optics</i> , 2004, 9, 1143.	2.6	106
15	Time-Resolved Reflectance Spectroscopy Applied to the Nondestructive Monitoring of the Internal Optical Properties in Apples. <i>Applied Spectroscopy</i> , 2001, 55, 1368-1374.	2.2	104
16	Antitumor immunity induced by photodynamic therapy with aluminum disulfonated phthalocyanines and laser light. <i>Anti-Cancer Drugs</i> , 1994, 5, 443-447.	1.4	99
17	Diffuse optical characterization of collagen absorption from 500 to 1700 nm. <i>Journal of Biomedical Optics</i> , 2017, 22, 015006.	2.6	95
18	Laser induced fluorescence spectroscopy of normal and atherosclerotic human aorta using 306-310 nm excitation. <i>Lasers in Surgery and Medicine</i> , 1990, 10, 245-261.	2.1	93

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19	Seven-wavelength time-resolved optical mammography extending beyond 1000 nm for breast collagen quantification. <i>Optics Express</i> , 2009, 17, 15932.	3.4	91
20	Characterization of female breast lesions from multi-wavelength time-resolved optical mammography. <i>Physics in Medicine and Biology</i> , 2005, 50, 2489-2502.	3.0	88
21	Fluorescence Lifetime Imaging of Experimental Tumors in Hematoporphyrin Derivative-SENSitized Mice. <i>Photochemistry and Photobiology</i> , 1997, 66, 229-236.	2.5	84
22	Antitumor efficacy of the combination of photodynamic therapy and chemotherapy in murine tumors. <i>Cancer Letters</i> , 1998, 125, 39-44.	7.2	79
23	Use of a nonlinear perturbation approach for in vivo breast lesion characterization by multiwavelength time-resolved optical mammography. <i>Optics Express</i> , 2003, 11, 853.	3.4	79
24	Four-wavelength time-resolved optical mammography in the 680-980-nm range. <i>Optics Letters</i> , 2003, 28, 1138.	3.3	77
25	Noninvasive assessment of breast cancer risk using time-resolved diffuse optical spectroscopy. <i>Journal of Biomedical Optics</i> , 2010, 15, 060501.	2.6	76
26	Fully automated time domain spectrometer for the absorption and scattering characterization of diffusive media. <i>Review of Scientific Instruments</i> , 2007, 78, 053103.	1.3	73
27	Absorption of collagen: effects on the estimate of breast composition and related diagnostic implications. <i>Journal of Biomedical Optics</i> , 2007, 12, 014021.	2.6	70
28	Preliminary evaluation of two fluorescence imaging methods for the detection and the delineation of basal cell carcinomas of the skin. , 2000, 26, 76-82.		67
29	Broadband (600-1350 nm) Time-Resolved Diffuse Optical Spectrometer for Clinical Use. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 406-414.	2.9	66
30	Diffuse optical spectroscopy of breast tissue extended to 1100-nm. <i>Journal of Biomedical Optics</i> , 2009, 14, 054030.	2.6	65
31	TIME-GATED FLUORESCENCE IMAGING FOR THE DIAGNOSIS OF TUMORS IN A MURINE MODEL. <i>Photochemistry and Photobiology</i> , 1993, 57, 480-485.	2.5	63
32	Time-resolved reflectance: a systematic study for application to the optical characterization of tissues. <i>IEEE Journal of Quantum Electronics</i> , 1994, 30, 2421-2430.	1.9	63
33	Mapping of calf muscle oxygenation and haemoglobin content during dynamic plantar flexion exercise by multi-channel time-resolved near-infrared spectroscopy. <i>Physics in Medicine and Biology</i> , 2004, 49, 685-699.	3.0	63
34	Light propagation in dry and wet softwood. <i>Optics Express</i> , 2008, 16, 9895.	3.4	62
35	Real-time method for fitting time-resolved reflectance and transmittance measurements with a Monte Carlo model. <i>Applied Optics</i> , 1998, 37, 2774.	2.1	59
36	Photophysical Studies of A2-E, Putative Precursor of Lipofuscin, in Human Retinal Pigment Epithelial Cells. <i>Photochemistry and Photobiology</i> , 1999, 70, 172-175.	2.5	59

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37	Compact tissue oximeter based on dual-wavelength multichannel time-resolved reflectance. Applied Optics, 1999, 38, 3670.	2.1	56
38	Fluorescence lifetime imaging: an application to the detection of skin tumors. IEEE Journal of Selected Topics in Quantum Electronics, 1999, 5, 923-929.	2.9	55
39	Characterization of normal breast tissue heterogeneity using time-resolved near-infrared spectroscopy. Physics in Medicine and Biology, 2005, 50, 2559-2571.	3.0	54
40	Estimate of tissue composition in malignant and benign breast lesions by time-domain optical mammography. Biomedical Optics Express, 2014, 5, 3684.	2.9	50
41	Non-invasive optical estimate of tissue composition to differentiate malignant from benign breast lesions: A pilot study. Scientific Reports, 2017, 7, 40683.	3.3	50
42	Time-resolved imaging on a realistic tissue phantom: \hat{I}_4 and \hat{I}_4^a images versus time-integrated images. Applied Optics, 1996, 35, 4533.	2.1	49
43	Time-Resolved Diffuse Optical Spectroscopy up to 1700 nm by Means of a Time-Gated InGaAs/InP Single-Photon Avalanche Diode. Applied Spectroscopy, 2012, 66, 944-950.	2.2	48
44	Nanosecond time-resolved emission spectroscopy from silicon implanted and annealed SiO ₂ layers. Applied Physics Letters, 1997, 70, 348-350.	3.3	46
45	Phantom validation and in vivo application of an inversion procedure for retrieving the optical properties of diffusive layered media from time-resolved reflectance measurements. Optics Letters, 2004, 29, 2037.	3.3	46
46	Time-gated imaging system for tumor diagnosis. Optical Engineering, 1993, 32, 320.	1.0	45
47	In vivo time-resolved reflectance spectroscopy of the human forehead. Applied Optics, 2007, 46, 1717.	2.1	43
48	Characterization of ultraviolet laser-induced autofluorescence of ceroid deposits and other structures in atherosclerotic plaques as a potential diagnostic for laser angioplasty. American Heart Journal, 1992, 123, 208-216.	2.7	39
49	Selection Models for the Internal Quality of Fruit, based on Time Domain Laser Reflectance Spectroscopy. Biosystems Engineering, 2004, 88, 313-323.	4.3	39
50	Breast Tissue Composition and Its Dependence on Demographic Risk Factors for Breast Cancer: Non-Invasive Assessment by Time Domain Diffuse Optical Spectroscopy. PLoS ONE, 2015, 10, e0128941.	2.5	39
51	A system for time-resolved laser fluorescence spectroscopy with multiple picosecond gating. Review of Scientific Instruments, 1988, 59, 2254-2259.	1.3	38
52	Ultraviolet laser induced fluorescence of human aorta. Spectrochimica Acta Part A: Molecular Spectroscopy, 1989, 45, 95-99.	0.1	38
53	SPECTROSCOPIC AND PHOTOACOUSTIC STUDIES OF HYPERICIN EMBEDDED IN LIPOSOMES AS A PHOTORECEPTOR MODEL*. Photochemistry and Photobiology, 1995, 62, 199-204.	2.5	38
54	Biosensor surface functionalization by a simple photochemical immobilization of antibodies: experimental characterization by mass spectrometry and surface enhanced Raman spectroscopy. Analyst, The, 2019, 144, 6871-6880.	3.5	38

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55	Quantification by random walk of the optical parameters of nonlocalized abnormalities embedded within tissuelike phantoms. <i>Optics Letters</i> , 2000, 25, 951.	3.3	37
56	Time-Domain Broadband near Infrared Spectroscopy of the Female Breast: A Focused Review from Basic Principles to Future Perspectives. <i>Journal of Near Infrared Spectroscopy</i> , 2012, 20, 223-235.	1.5	37
57	Steady state and time-resolved spectroscopic studies on zinc(II) phthalocyanine in liposomes. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1992, 16, 331-340.	3.8	34
58	Determination of the optical properties of anisotropic biological media using an isotropic diffusion model. <i>Journal of Biomedical Optics</i> , 2007, 12, 014026.	2.6	34
59	Time-Resolved Optical Spectroscopy of Wood. <i>Applied Spectroscopy</i> , 2008, 62, 569-574.	2.2	34
60	Efficacy of photodynamic therapy against doxorubicin-resistant murine tumors. <i>Cancer Letters</i> , 1995, 93, 255-259.	7.2	33
61	Tumor detection in mice by measurement of fluorescence decay time matrices. <i>Optics Letters</i> , 1995, 20, 2553.	3.3	33
62	Diffuse optical imaging and spectroscopy of the breast: A brief outline of history and perspectives. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 241-250.	2.9	33
63	DETECTION OF INTERNAL QUALITY IN KIWI WITH TIME-DOMAIN DIFFUSE REFLECTANCE SPECTROSCOPY. <i>Applied Engineering in Agriculture</i> , 2004, 20, 223-230.	0.7	31
64	Optical identification of subjects at high risk for developing breast cancer. <i>Journal of Biomedical Optics</i> , 2013, 18, 060507.	2.6	31
65	Use of time-gated fluorescence imaging for diagnosis in biomedicine. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1992, 12, 109-113.	3.8	30
66	Frequency offset Raman spectroscopy (FORS) for depth probing of diffusive media. <i>Optics Express</i> , 2017, 25, 4585.	3.4	30
67	Liquid phantoms for near-infrared and diffuse correlation spectroscopies with tunable optical and dynamic properties. <i>Biomedical Optics Express</i> , 2018, 9, 2068.	2.9	30
68	Characterization of the fluorescent morphological structures in human arterial wall using ultraviolet-excited microspectrofluorimetry. <i>Atherosclerosis</i> , 1991, 88, 1-14.	0.8	29
69	Imaging with diffusing light: an experimental study of the effect of background optical properties. <i>Applied Optics</i> , 1998, 37, 3564.	2.1	29
70	Time-resolved DNA-microarray reading by an intensified CCD for ultimate sensitivity. <i>Optics Letters</i> , 2000, 25, 1648.	3.3	29
71	Liquid phantom for investigating light propagation through layered diffusive media. <i>Optics Express</i> , 2004, 12, 2102.	3.4	29
72	Imaging of optical inhomogeneities in highly diffusive media: Discrimination between scattering and absorption contributions. <i>Applied Physics Letters</i> , 1996, 69, 4162-4164.	3.3	28

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73	Reconstruction of absorber concentrations in a two-layer structure by use of multidistance time-resolved reflectance spectroscopy. <i>Optics Letters</i> , 2001, 26, 1963.	3.3	28
74	Do shorter wavelengths improve contrast in optical mammography?. <i>Physics in Medicine and Biology</i> , 2004, 49, 1203-1215.	3.0	27
75	Effects of the Menstrual Cycle on the Red and Near-infrared Optical Properties of the Human Breast. <i>Photochemistry and Photobiology</i> , 2000, 72, 383.	2.5	26
76	MEALINESS DETECTION IN APPLES USING TIME RESOLVED REFLECTANCE SPECTROSCOPY. <i>Journal of Texture Studies</i> , 2005, 36, 439-458.	2.5	26
77	Comparative study of the therapeutic effect of photoactivated hematoporphyrin derivative and aluminum disulfonated phthalocyanines on tumor bearing mice. <i>Cancer Letters</i> , 1990, 53, 123-127.	7.2	25
78	Effects of photodynamic therapy on the absorption properties of disulphonated aluminum phthalocyanine in tumor-bearing mice. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2001, 60, 73-78.	3.8	23
79	Experimental test of a perturbation model for time-resolved imaging in diffusive media. <i>Applied Optics</i> , 2003, 42, 3145.	2.1	23
80	Bandpass Effects in Time-Resolved Diffuse Spectroscopy. <i>Applied Spectroscopy</i> , 2009, 63, 48-56.	2.2	23
81	Broadband (550-1350 nm) diffuse optical characterization of thyroid chromophores. <i>Scientific Reports</i> , 2018, 8, 10015.	3.3	23
82	In Vivo, Non-Invasive Characterization of Human Bone by Hybrid Broadband (600-1200 nm) Diffuse Optical and Correlation Spectroscopies. <i>PLoS ONE</i> , 2016, 11, e0168426.	2.5	23
83	Study of porphyrin fluorescence in tissue samples of tumour-bearing mice. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1995, 29, 171-178.	3.8	22
84	Effects of the Menstrual Cycle on the Red and Near-infrared Optical Properties of the Human Breast. <i>Photochemistry and Photobiology</i> , 2000, 72, 383-391.	2.5	22
85	Time-resolved diffuse optical spectroscopy of small tissue samples. <i>Optics Express</i> , 2007, 15, 3301.	3.4	22
86	TIME-GATED FLUORESCENCE OF BLEPHARISMIN, THE PHOTORECEPTOR PIGMENT FOR PHOTOMOVEMENT OF Blepharisma. <i>Photochemistry and Photobiology</i> , 1990, 52, 567-573.	2.5	21
87	Large-Area, Fast-Gated Digital SiPM With Integrated TDC for Portable and Wearable Time-Domain NIRS. <i>IEEE Journal of Solid-State Circuits</i> , 2020, 55, 3097-3111.	5.4	21
88	ABSORPTION SPECTRUM OF HEMATOPORPHYRIN DERIVATIVE <i>in vivo</i> IN A MURINE TUMOR MODEL. <i>Photochemistry and Photobiology</i> , 1994, 60, 582-585.	2.5	20
89	High throughput detection chain for time domain optical mammography. <i>Biomedical Optics Express</i> , 2018, 9, 755.	2.9	20
90	Non-invasive investigation of adipose tissue by time domain diffuse optical spectroscopy. <i>Biomedical Optics Express</i> , 2020, 11, 2779.	2.9	20

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91	In vivo absorption spectrum of disulphonated aluminium phthalocyanine in a murine tumour model. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1996, 34, 229-235.	3.8	19
92	Fluorescence Imaging During Photodynamic Therapy of Experimental Tumors in Mice Sensitized with Disulphonated Aluminum Phthalocyanine. <i>Photochemistry and Photobiology</i> , 2000, 72, 690.	2.5	19
93	Time-resolved Microspectrofluorimetry and Fluorescence Lifetime Imaging of Hypericin in Human Retinal Pigment Epithelial Cells. <i>Photochemistry and Photobiology</i> , 2005, 81, 524.	2.5	19
94	Action spectrum of photoactivated phthalocyanine AIS2Pc in tumor bearing mice. <i>Anti-Cancer Drugs</i> , 1992, 3, 139-142.	1.4	18
95	Tumour visualization in a murine model by time-delayed fluorescence of sulphonated aluminium phthalocyanine. <i>Lasers in Medical Science</i> , 1997, 12, 200-208.	2.1	18
96	The study of polyplex formation and stability by time-resolved fluorescence spectroscopy of SYBR Green I-stained DNA. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 1680-1689.	2.9	17
97	<title>Immunopharmacology studies on photosensitizers used in photodynamic therapy</title>. , 1994, 2078, 268.		16
98	The SiPM revolution in time-domain diffuse optics. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 978, 164411.	1.6	16
99	Time-gated fluorescence spectroscopy of porphyrin derivatives incorporated into cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1990, 6, 39-48.	3.8	15
100	Artificial models of biological photoreceptors: effect of quenchers on the fluorescence properties of hypericin embedded in liposomes. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1997, 38, 245-252.	3.8	15
101	Broadband Time Domain Diffuse Optical Reflectance Spectroscopy: A Review of Systems, Methods, and Applications. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5465.	2.5	15
102	Time-gated fluorescence spectroscopy of porphyrin derivatives and aluminium phthalocyanine incorporated in vivo in a murine ascitic tumour model. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1991, 11, 319-328.	3.8	14
103	Multichannel Time-Resolved Tissue Oximeter for Functional Imaging of the Brain. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2006, 55, 85-90.	4.7	14
104	Study of photoablation of rabbit corneas by Er:YAG laser. <i>Lasers in Surgery and Medicine</i> , 1996, 19, 32-39.	2.1	13
105	Microspectrofluorometry, fluorescence imaging and confocal microscopy of an endogenous pigment of the marine ciliate <i>Fabrea salina</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1996, 34, 183-189.	3.8	13
106	In vivo spectroscopic study of photoreceptor pigments of <i>Blepharisma japonicum</i> red and blue cells. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1995, 1231, 247-254.	1.0	12
107	Study of mechanical and thermal damage in brain tissue after ablation by Erbium-YAG laser. <i>Lasers in Medical Science</i> , 1997, 12, 21-30.	2.1	12
108	Multi-wavelength Time Domain Optical Mammography. <i>Technology in Cancer Research and Treatment</i> , 2005, 4, 527-537.	1.9	11

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109	Recipes to make organic phantoms for diffusive optical spectroscopy. <i>Applied Optics</i> , 2013, 52, 2494.	1.8	11
110	Broadband diffuse optical characterization of elastin for biomedical applications. <i>Biophysical Chemistry</i> , 2017, 229, 130-134.	2.8	11
111	Time-domain diffuse optics with 8.6 μm fast-gated SiPM for extreme light harvesting. <i>Optics Letters</i> , 2021, 46, 424.	3.3	11
112	Steady-state and time-resolved spectroscopic studies on low-density lipoprotein-bound Zn(II)-phthalocyanine. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1999, 49, 198-203.	3.8	10
113	Effects of tissue heterogeneity on the optical estimate of breast density. <i>Biomedical Optics Express</i> , 2012, 3, 2411.	2.9	10
114	Systematic study of the effect of ultrasound gel on the performances of time-domain diffuse optics and diffuse correlation spectroscopy. <i>Biomedical Optics Express</i> , 2019, 10, 3899.	2.9	10
115	Time-gated fluorescence imaging of <i>Blepharisma</i> red and blue cells. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1993, 1143, 327-331.	1.0	9
116	Absorption spectroscopy of powdered materials using time-resolved diffuse optical methods. <i>Applied Optics</i> , 2012, 51, 7858.	1.8	9
117	Multi-laboratory performance assessment of diffuse optics instruments: the BitMap exercise. <i>Journal of Biomedical Optics</i> , 2022, 27, .	2.6	9
118	$\hat{\Gamma}$ -Aminolevulinic acid induced fluorescence in tumour-bearing mice. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1995, 30, 23-27.	3.8	8
119	Fullerol in human lens and retinal pigment epithelial cells: time domain fluorescence spectroscopy and imaging. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 904.	2.9	7
120	Time-resolved diffused optical characterization of key tissue constituents of human bony prominence locations. <i>Proceedings of SPIE</i> , 2015, , .	0.8	7
121	The cytochrome oxidases of <i>Bacillus subtilis</i> : mapping of a gene affecting cytochrome aa3 and its replacement by cytochrome o in a mutant strain. <i>FEMS Microbiology Letters</i> , 1989, 58, 277-281.	1.8	7
122	The impact of morphology on light transport in cancellous bone. <i>Physics in Medicine and Biology</i> , 2010, 55, 4917-4931.	3.0	6
123	In vivo test-driven upgrade of a time domain multi-wavelength optical mammograph. <i>Biomedical Optics Express</i> , 2021, 12, 1105.	2.9	6
124	Evaluation of a pipeline for simulation, reconstruction, and classification in ultrasound-aided diffuse optical tomography of breast tumors. <i>Journal of Biomedical Optics</i> , 2022, 27, .	2.6	6
125	<title>Time-gated fluorescence spectroscopy and imaging of porphyrins and phthalocyanines</title> . , 1991, , .		5
126	Photoluminescence studies of light emission from silicon implanted and annealed SiO ₂ layers. <i>Thin Solid Films</i> , 1996, 276, 88-91.	1.8	5

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127	Multi Simulation Platform for Time Domain Diffuse Optical Tomography: An Application to a Compact Hand-Held Reflectance Probe. Applied Sciences (Switzerland), 2019, 9, 2849.	2.5	5
128	Note: Comparison between a prism-based and an acousto-optic tunable filter-based spectrometer for diffusive media. Review of Scientific Instruments, 2013, 84, 016109.	1.3	4
129	Broadband time-resolved diffuse optical spectrometer for clinical diagnostics: characterization and in-vivo measurements in the 600-1350 nm spectral range. , 2015, , .		4
130	Photophysical Studies of A2-E, Putative Precursor of Lipofuscin, in Human Retinal Pigment Epithelial Cells. Photochemistry and Photobiology, 1999, 70, 172.	2.5	4
131	Time-resolved Microspectrofluorimetry and Fluorescence Lifetime Imaging of Hypericin in Human Retinal Pigment Epithelial Cells. Photochemistry and Photobiology, 2005, 81, 524-8.	2.5	4
132	<title>Real-time system for fluorescence lifetime imaging</title>. , 1997, , .		3
133	<title>Nondestructive measurements of the optical properties of fruits by means of time-resolved reflectance</title>. , 1999, 3597, 445.		3
134	<title>Portable 8-channel time-resolved optical imager for functional studies of biological tissues</title>. , 2001, , .		3
135	Timeâ€resolved Microspectrofluorimetry and Fluorescence Lifetime Imaging of Hypericin in Human Retinal Pigment Epithelial Cells^{Â¶}. Photochemistry and Photobiology, 2005, 81, 524-528.	2.5	3
136	Time-Resolved Diffuse Optical Spectroscopy: A Differential Absorption Approach. Applied Spectroscopy, 2010, 64, 1220-1226.	2.2	3
137	Photonics for Life. IEEE Pulse, 2011, 2, 16-23.	0.3	3
138	Solid heterogeneous phantoms for multimodal ultrasound and diffuse optical imaging: an outcome of the SOLUS project for standardization. , 2019, , .		3
139	Role of collagen scattering for in vivo tissue characterization. , 2010, , .		3
140	<title>Ablation of brain by erbium laser: study of dynamic behavior and tissue damage</title>. , 1994, , .		2
141	An integrated instrumentation for lightâ€scattering and timeâ€resolved fluorescence measurements. Review of Scientific Instruments, 1995, 66, 2405-2410.	1.3	2
142	<title>In-vivo absorption and scattering spectra of human tissues by time-resolved reflectance</title>. , 1998, , .		2
143	Photodynamic therapy with photoactivated aluminum disulfonated phthalocyanine and cellular immune response. , 1998, , .		2
144	Spatial resolution of imaging with diffusing light: Edge spread function measurements on a realistic tissue phantom. Medical Physics, 1999, 26, 462-471.	3.0	2

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145	Photodynamic therapy and immune response in tumor-bearing mice. , 1999, , .		2
146	<title>In-vivo multidistance multiwavelength time-resolved reflectance spectroscopy of layered tissues</title>. , 2001, 4250, 290.		2
147	<title>Dual-wavelength time-resolved optical mammograph for clinical studies</title>. , 2001, , .		2
148	Rigorous characterization of time-resolved diffuse spectroscopy systems for measurements of absorption and scattering properties using solid phantoms. , 2003, , .		2
149	Multi-channel time-resolved tissue oximeter for functional imaging of the brain. , 0, , .		2
150	Time-resolved diffuse optical spectroscopy of wood. , 2007, 6633, 346.		2
151	Time-resolved diffuse optical spectroscopy up to 1700 nm using a time-gated InGaAs/InP single-photon avalanche diode. Proceedings of SPIE, 2011, , .	0.8	2
152	Breast density assessment by means of time domain optical mammography at 635-1060 nm. Proceedings of SPIE, 2011, , .	0.8	2
153	Time-resolved optical spectroscopy of the chest: is it possible to probe the lung?. , 2013, , .		2
154	Collagen content as a risk factor in breast cancer? A pilot clinical study. , 2015, , .		2
155	Fluorescence lifetime imaging of intracellular magnesium content in live cells. Analyst, The, 2019, 144, 1876-1880.	3.5	2
156	Optical Assessment of Breast Density and its Dependence on Tissue Heterogeneity. , 2012, , .		2
157	Time-resolved fluorescence spectroscopy with programmable gating. Journal of Photochemistry and Photobiology B: Biology, 1989, 3, 129.	3.8	1
158	<title>Time-resolved transmittance imaging with a diffusion model</title>. , 1995, , .		1
159	<title>Dual-wavelength multichannel system for time-resolved oximetry</title>. , 1998, 3566, 97.		1
160	Time-resolved reflectance spectroscopy in tissues. , 1999, , .		1
161	<title>Time-gated and lifetime imaging techniques for the detection of skin tumors</title>. , 1999, , .		1
162	Clinical system for skin tumour detection by fluorescence lifetime imaging. , 0, , .		1

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163	Performance assessment of two time-domain-scanning optical mammographs. , 2003, , .		1
164	Functional muscle studies by dual-wavelength eight-channel time-resolved oximetry. , 2003, , .		1
165	Multidistance optical characterization of the female breast by time-resolved diffuse spectroscopy. , 2003, , .		1
166	Four-wavelength time-resolved optical mammograph. , 2003, 4955, 203.		1
167	Antitumor activity of photodynamic therapy, adoptive immunotherapy, and chemotherapy in experimental tumor. , 2004, 5319, 71.		1
168	Optical Characterisation of Bone Tissue for Diffusion Optical Tomography Applied to Skeletal Implants. , 2007, , .		1
169	Time-domain diffuse optical spectroscopy up to 1700 nm using an InGaAs/InP single-photon avalanche diode. Proceedings of SPIE, 2011, , .	0.8	1
170	Time-domain diffuse optical spectroscopy beyond 1100 nm: initial feasibility study. Proceedings of SPIE, 2011, , .	0.8	1
171	First in vivo spectral characterization of breast up to 1300 nm. , 2011, , .		1
172	Optical identification of subjects at high risk for developing breast cancer. Proceedings of SPIE, 2013, , .	0.8	1
173	Comparison of organic phantom recipes and characterization by time-resolved diffuse optical spectroscopy. Proceedings of SPIE, 2013, , .	0.8	1
174	In-vivo optical spectroscopy in the time-domain beyond 1100 nm. , 2013, , .		1
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