Henricus Jcm Cm Sterenborg

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5270854/publications.pdf

Version: 2024-02-01

236	8,376	41258	62479
papers	citations	49 h-index	80 g-index

239	239	239	5488
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Layer thickness prediction and tissue classification in two-layered tissue structures using diffuse reflectance spectroscopy. Scientific Reports, 2022, 12, 1698.	1.6	9
2	Discriminating healthy from tumor tissue in breast lumpectomy specimens using deep learning-based hyperspectral imaging. Biomedical Optics Express, 2022, 13, 2581.	1.5	8
3	Toward improved endoscopic surveillance with multidiameter single fiber reflectance spectroscopy in patients with Barrett's esophagus. Journal of Biophotonics, 2021, 14, e202000351.	1.1	4
4	Experimental validation of a recently developed model for single-fiber reflectance spectroscopy. Journal of Biomedical Optics, 2021, 26, .	1.4	6
5	Optical tissue measurements of invasive carcinoma and ductal carcinoma in situ for surgical guidance. Breast Cancer Research, 2021, 23, 59.	2.2	6
6	Feasibility of Ex Vivo Margin Assessment with Hyperspectral Imaging during Breast-Conserving Surgery: From Imaging Tissue Slices to Imaging Lumpectomy Specimen. Applied Sciences (Switzerland), 2021, 11, 8881.	1.3	5
7	Toward assessment of resection margins using hyperspectral diffuse reflection imaging (400â€“1,700â€‰nm) during tongue cancer surgery. Lasers in Surgery and Medicine, 2020, 52, 496-502.	1.1	22
8	Using Diffuse Reflectance Spectroscopy to Distinguish Tumor Tissue From Fibrosis in Rectal Cancer Patients as a Guide to Surgery. Lasers in Surgery and Medicine, 2020, 52, 604-611.	1.1	8
9	Effect of probe pressure on skin tissue optical properties measurement using multi-diameter single fiber reflectance spectroscopy. JPhys Photonics, 2020, 2, 034008.	2.2	5
10	Subdiffuse scattering model for single fiber reflectance spectroscopy. Journal of Biomedical Optics, 2020, 25, 1.	1.4	10
11	Subdiffuse scattering and absorption model for single fiber reflectance spectroscopy. Biomedical Optics Express, 2020, 11, 6620.	1.5	8
12	Analytical model for diffuse reflectance in single fiber reflectance spectroscopy. Optics Letters, 2020, 45, 2078.	1.7	10
13	Imaging depth variations in hyperspectral imaging: Development of a method to detect tumor up to the required tumorâ€free margin width. Journal of Biophotonics, 2019, 12, e201900086.	1.1	15
14	Refractive index measurement using single fiber reflectance spectroscopy. Journal of Biophotonics, 2019, 12, e201900019.	1.1	21
15	Hyperspectral Imaging for Resection Margin Assessment during Cancer Surgery. Clinical Cancer Research, 2019, 25, 3572-3580.	3.2	60
16	Comparing in vivo and ex vivo fiberoptic diffuse reflectance spectroscopy in colorectal cancer. Translational Biophotonics, 2019, 1, e201900008.	1.4	8
17	Letter to the editor regarding â€˜Improvement of local microcirculation through intermittent Negative Pressure Wound Therapy (NPWT)â€™. Journal of Tissue Viability, 2019, 28, 46-47.	0.9	2
18	Hyperspectral imaging for tissue classification, a way toward smart laparoscopic colorectal surgery. Journal of Biomedical Optics, 2019, 24, 1.	1.4	68

#	Article	IF	Citations
19	Influence of neoadjuvant chemotherapy on diffuse reflectance spectra of tissue in breast surgery specimens. Journal of Biomedical Optics, 2019, 24, 1.	1.4	1
20	Multidiameter single-fiber reflectance spectroscopy of heavily pigmented skin: modeling the inhomogeneous distribution of melanin. Journal of Biomedical Optics, 2019, 24, 1.	1.4	9
21	Method for coregistration of optical measurements of breast tissue with histopathology: the importance of accounting for tissue deformations. Journal of Biomedical Optics, 2019, 24, 1.	1.4	9
22	Broadband hyperspectral imaging for breast tumor detection using spectral and spatial information. Biomedical Optics Express, 2019, 10, 4496.	1.5	43
23	Optimizing algorithm development for tissue classification in colorectal cancer based on diffuse reflectance spectra. Biomedical Optics Express, 2019, 10, 6096.	1.5	16
24	Nerve detection during surgery: optical spectroscopy for peripheral nerve localization. Lasers in Medical Science, 2018, 33, 619-625.	1.0	8
25	Nerve detection using optical spectroscopy, an evaluation in four different models: In human and swine, inâ€vivo, and post mortem. Lasers in Surgery and Medicine, 2018, 50, 253-261.	1.1	13
26	Towards the use of diffuse reflectance spectroscopy for real-time in vivo detection of breast cancer during surgery. Journal of Translational Medicine, 2018, 16, 367.	1.8	36
27	In vivo nerve identification in head and neck surgery using diffuse reflectance spectroscopy. Laryngoscope Investigative Otolaryngology, 2018, 3, 349-355.	0.6	7
28	Toward complete oral cavity cancer resection using a handheld diffuse reflectance spectroscopy probe. Journal of Biomedical Optics, 2018, 23, 1.	1.4	26
29	Studying skin tumourigenesis and progression in immunocompetent hairless SKH1-hr mice using chronic 7,12-dimethylbenz(a)anthracene topical applications to develop a useful experimental skin cancer model. Laboratory Animals, 2017, 51, 24-35.	0.5	12
30	Review: in vivo optical spectral tissue sensingâ€"how to go from research to routine clinical application?. Lasers in Medical Science, 2017, 32, 711-719.	1.0	10
31	Modeling subdiffusive light scattering by incorporating the tissue phase function and detector numerical aperture. Journal of Biomedical Optics, 2017, 22, 050501.	1.4	17
32	Single fiber reflectance spectroscopy calibration. Journal of Biomedical Optics, 2017, 22, 1.	1.4	13
33	Diffuse reflectance spectroscopy as a tool for real-time tissue assessment during colorectal cancer surgery. Journal of Biomedical Optics, 2017, 22, 1.	1.4	38
34	Label-free optical imaging technologies for rapid translation and use during intraoperative surgical and tumor margin assessment. Journal of Biomedical Optics, 2017, 23, 1.	1.4	30
35	Overcoming sampling depth variations in the analysis of broadband hyperspectral images of breast tissue (Conference Presentation). , 2017, , .		0
36	Using DRS during breast conserving surgery: identifying robust optical parameters and influence of inter-patient variation. Biomedical Optics Express, 2016, 7, 5188.	1.5	17

#	Article	IF	Citations
37	Spectral sensing for tissue diagnosis during lung biopsy procedures: The importance of an adequate internal reference and real-time feedback. Lung Cancer, 2016, 98, 62-68.	0.9	7
38	In vivocharacterization of colorectal metastases in human liver using diffuse reflectance spectroscopy: toward guidance in oncological procedures. Journal of Biomedical Optics, 2016, 21, 097004.	1.4	9
39	Measuring the reduced scattering coefficient and y with SFR spectroscopy: studying the phase function dependence (Conference Presentation). , 2016, , .		0
40	Real-time In Vivo Tissue Characterization with Diffuse Reflectance Spectroscopy during Transthoracic Lung Biopsy: A Clinical Feasibility Study. Clinical Cancer Research, 2016, 22, 357-365.	3.2	53
41	Hyperspectral Imaging for Intraoperative Margin Assessment during Breast Cancer Surgery. , 2016, , .		2
42	Integration of fluorescence differential path-length spectroscopy to photodynamic therapy of the head and neck tumors is useful in monitoring clinical outcome. Frontiers in Physics, 2015, 3, .	1.0	2
43	Fat/water ratios measured with diffuse reflectance spectroscopy to detect breast tumor boundaries. Breast Cancer Research and Treatment, 2015, 152, 509-518.	1.1	61
44	Chromophore based analyses of steadyâ€state diffuse reflectance spectroscopy: current status and perspectives for clinical adoption. Journal of Biophotonics, 2015, 8, 9-24.	1.1	79
45	In vivononlinear optical imaging to monitor early microscopic changes in a murine cutaneous squamous cell carcinoma model. Journal of Biophotonics, 2015, 8, 668-680.	1.1	5
46	Detection and differentiation of causative organisms of onychomycosis in an ex vivo nail model by means of Raman spectroscopy. Journal of the European Academy of Dermatology and Venereology, 2014, 28, 1492-1499.	1.3	17
47	In vivo nonlinear spectral imaging as a tool to monitor early spectroscopic and metabolic changes in a murine cutaneous squamous cell carcinoma model. Biomedical Optics Express, 2014, 5, 4281.	1.5	7
48	Photodynamic and Nail Penetration Enhancing Effects of Novel Multifunctional Photosensitizers Designed for The Treatment of Onychomycosis. Photochemistry and Photobiology, 2014, 90, 189-200.	1.3	13
49	Intrinsic photosensitizer fluorescence measured using multi-diameter single-fiber spectroscopyin vivo. Journal of Biomedical Optics, 2014, 19, 015010.	1.4	11
50	Extraction of intrinsic fluorescence from single fiber fluorescence measurements on a turbid medium: experimental validation. Biomedical Optics Express, 2014, 5, 1913.	1.5	8
51	The effect of fluence rate on the acute response of vessel diameter and red blood cell velocity during topical 5-aminolevulinic acid photodynamic therapy. Photodiagnosis and Photodynamic Therapy, 2014, 11, 71-81.	1.3	12
52	Estimating the risk of squamous cell cancer induction in skin following nonlinear optical imaging. Journal of Biophotonics, 2014, 7, 492-505.	1.1	6
53	Advances and challenges in label-free nonlinear optical imaging using two-photon excitation fluorescence and second harmonic generation for cancer research. Journal of Photochemistry and Photobiology B: Biology, 2014, 141, 128-138.	1.7	52
54	Microscopic analysis of the localization of two chlorinâ€based photosensitizers in OSC19 tumors in the mouse oral cavity. Lasers in Surgery and Medicine, 2014, 46, 224-234.	1.1	11

#	Article	IF	Citations
55	The use of optical spectroscopy for in vivo detection of cervical pre-cancer. Lasers in Medical Science, 2014, 29, 831-845.	1.0	11
56	Somatostatin Analogues for Receptor Targeted Photodynamic Therapy. PLoS ONE, 2014, 9, e104448.	1.1	17
57	Adjunctive treatment of keloids: comparison of photodynamic therapy with brachytherapy. European Journal of Plastic Surgery, 2013, 36, 289-294.	0.3	5
58	Use of a coherent fiber bundle for multi-diameter single fiber reflectance spectroscopy. Proceedings of SPIE, 2013, , .	0.8	2
59	MR and CT based treatment planning for mTHPC mediated interstitial photodynamic therapy of head and neck cancer: Description of the method. Lasers in Surgery and Medicine, 2013, 45, 517-523.	1.1	19
60	Light fractionated ALA-PDT enhances therapeutic efficacy in vitro; the influence of PpIX concentration and illumination parameters. Photochemical and Photobiological Sciences, 2013, 12, 241-245.	1.6	27
61	In vivo quantification of the scattering properties of tissue using multi-diameter single fiber reflectance spectroscopy. Biomedical Optics Express, 2013, 4, 696.	1.5	59
62	Optical Image-Guided Cancer Surgery: Challenges and Limitations. Clinical Cancer Research, 2013, 19, 3745-3754.	3.2	223
63	Method for rapid multidiameter single-fiber reflectance and fluorescence spectroscopy through a fiber bundle. Journal of Biomedical Optics, 2013, 18, 107005.	1.4	24
64	Single fiber reflectance spectroscopy on cervical premalignancies: the potential for reduction of the number of unnecessary biopsies. Journal of Biomedical Optics, 2013, 18, 017002.	1.4	27
65	Localization of liposomal mTHPC formulations within normal epithelium, dysplastic tissue, and carcinoma of oral epithelium in the 4NQOâ€carcinogenesis rat model. Lasers in Surgery and Medicine, 2013, 45, 668-678.	1.1	10
66	Light Fractionation Significantly Improves the Response of Superficial Basal Cell Carcinoma to Aminolaevulinic Acid Photodynamic Therapy: Five-year Follow-up of a Randomized, Prospective Trial. Acta Dermato-Venereologica, 2012, 92, 641-647.	0.6	68
67	Carcinogenic damage to deoxyribonucleic acid is induced by near-infrared laser pulses in multiphoton microscopy via combination of two- and three-photon absorption. Journal of Biomedical Optics, 2012, 17, 116024.	1.4	14
68	Extraction of intrinsic fluorescence from single fiber fluorescence measurements on a turbid medium. Optics Letters, 2012, 37, 948.	1.7	25
69	Use of a coherent fiber bundle for multi-diameter single fiber reflectance spectroscopy. Biomedical Optics Express, 2012, 3, 2452.	1.5	11
70	Scattering phase function spectrum makes reflectance spectrum measured from Intralipid phantoms and tissue sensitive to the device detection geometry. Biomedical Optics Express, 2012, 3, 1086.	1.5	29
71	Optical Detection of Preneoplastic Lesions of the Central Airways. ISRN Oncology, 2012, 2012, 1-9.	2.1	2
72	Validation of Interventional Fiber Optic Spectroscopy With MR Spectroscopy, MAS-NMR Spectroscopy, High-Performance Thin-Layer Chromatography, and Histopathology for Accurate Hepatic Fat Quantification. Investigative Radiology, 2012, 47, 209-216.	3.5	17

#	Article	IF	Citations
73	Optical spectroscopy combined with neural network classification improves diagnosis of cervical precancerous lesions. , 2012, , .		1
74	Semi-empirical model of the effect of scattering on single fiber fluorescence intensity measured on a turbid medium. Biomedical Optics Express, 2012, 3, 137.	1.5	17
75	Photodynamic therapy with systemic metaâ€tetrahydroxyphenylchlorin in the treatment of anal intraepithelial neoplasia, grade 3. Lasers in Surgery and Medicine, 2012, 44, 637-644.	1.1	16
76	Temoporfin mediated photodynamic therapy in patients with local persistent and recurrent nasopharyngeal carcinoma after curative radiotherapy: A feasibility study. Photodiagnosis and Photodynamic Therapy, 2012, 9, 274-281.	1.3	21
77	Quantification of the reduced scattering coefficient and phase-function-dependent parameter Î³ of turbid media using multidiameter single fiber reflectance spectroscopy: experimental validation. Optics Letters, 2012, 37, 1838.	1.7	37
78	Imageâ€guided surgery in head and neck cancer: Current practice and future directions of optical imaging. Head and Neck, 2012, 34, 120-126.	0.9	65
79	mTHPC mediated interstitial photodynamic therapy of recurrent nonmetastatic base of tongue cancers: Development of a new method. Head and Neck, 2012, 34, 1597-1606.	0.9	45
80	<italic>In vivo</italic> quantification of photosensitizer concentration using fluorescence differential path-length spectroscopy: influence of photosensitizer formulation and tissue location. Journal of Biomedical Optics, 2012, 17, 067001.	1.4	8
81	In vivo monitoring of protein-bound and free NADH during ischemia by nonlinear spectral imaging microscopy. Biomedical Optics Express, 2011, 2, 1030.	1.5	60
82	Measurement of the reduced scattering coefficient of turbid media using single fiber reflectance spectroscopy: fiber diameter and phase function dependence. Biomedical Optics Express, 2011, 2, 1687.	1.5	52
83	Measurement of tissue scattering properties using multi-diameter single fiber reflectance spectroscopy: in silico sensitivity analysis. Biomedical Optics Express, 2011, 2, 3150.	1.5	39
84	Method to quantitate absorption coefficients from single fiber reflectance spectra without knowledge of the scattering properties. Optics Letters, 2011, 36, 2791.	1.7	26
85	Method to quantitatively estimate wavelength-dependent scattering properties from multidiameter single fiber reflectance spectra measured in a turbid medium. Optics Letters, 2011, 36, 2997.	1.7	42
86	O27. Single fiber reflectance measurements of cervical lymph nodes for identifying metastasis from oral carcinoma. Oral Oncology, 2011, 47, S37.	0.8	0
87	Non-invasive measurement of the microvascular properties of non-dysplastic and dysplastic oral leukoplakias by use of optical spectroscopy. Oral Oncology, 2011, 47, 1165-1170.	0.8	29
88	In vivo quantification of photosensitizer fluorescence in the skin-fold observation chamber using dual-wavelength excitation and NIR imaging. Lasers in Medical Science, 2011, 26, 789-801.	1.0	9
89	Fluorescence localization and kinetics of mTHPC and liposomal formulations of mTHPC in the windowâ€chamber tumor model. Lasers in Surgery and Medicine, 2011, 43, 528-536.	1.1	33
90	In vivo measurement of bladder wall oxygen saturation using optical spectroscopy. Journal of Biophotonics, 2011, 4, 715-720.	1.1	9

#	Article	IF	Citations
91	Clinical feasibility of monitoring mâ€THPC mediated photodynamic therapy by means of fluorescence differential pathâ€length spectroscopy. Journal of Biophotonics, 2011, 4, 740-751.	1.1	9
92	Monitoring blood volume and saturation using superficial fibre optic reflectance spectroscopy during PDT of actinic keratosis. Journal of Biophotonics, 2011, 4, 721-730.	1.1	12
93	Editorial: Clinical Biophotonics. Journal of Biophotonics, 2011, 4, 665-666.	1.1	1
94	Characterization of Mediastinal Lymph Node Physiology In Vivo by Optical Spectroscopy during Endoscopic Ultrasound-Guided Fine Needle Aspiration. Journal of Thoracic Oncology, 2010, 5, 981-987.	0.5	34
95	Differential Pathlength Spectroscopy for the Quantitation of Optical Properties of Gold Nanoparticles. ACS Nano, 2010, 4, 4081-4089.	7.3	26
96	Optical Spectroscopy to Guide Photodynamic Therapy of Head and Neck Tumors. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 854-862.	1.9	13
97	A Telemetric light delivery system for metronomic photodynamic therapy (mPDT) in rats. Journal of Biophotonics, 2010, 3, 347-355.	1.1	16
98	In vivo monitoring of Foscan-mediated photodynamic therapy in clinical head and neck procedures using optical spectroscopy. Head & Neck Oncology, 2010, 2, .	2.3	1
99	Differential Pathlength Spectroscopy for diagnosis of head and neck cancer. Head & Neck Oncology, 2010, 2, .	2.3	1
100	Treatment planning for Interstitial Photodynamic Therapy for head and neck cancer. Head & Neck Oncology, 2010, 2, .	2.3	5
101	Non-invasive measurement of photosensitiser concentration using fluorescence differential path-length spectroscopy: validation for different liposomal formulations of m-THPC: Foscan, Foslip and Fospeg. Head & Neck Oncology, 2010, 2, .	2.3	2
102	Fractionated Illumination at Low Fluence Rate Photodynamic Therapy in Mice. Photochemistry and Photobiology, 2010, 86, 1140-1146.	1.3	28
103	Integration of single-fiber reflectance spectroscopy into ultrasound-guided endoscopic lung cancer staging of mediastinal lymph nodes. Journal of Biomedical Optics, 2010, 15, 017004.	1.4	50
104	Monte Carlo Analysis of Single Fiber Reflectance Path Length and Sampling Depth. , 2010, , .		0
105	Estimation of lipid and water concentrations in scattering media with diffuse optical spectroscopy from 900â€,toâ€,1600â€,nm. Journal of Biomedical Optics, 2010, 15, 037015.	1.4	112
106	Differential path-length spectroscopy: a tool for quantitative assessment of blood oxygen saturation in microvessels. Gastrointestinal Endoscopy, 2010, 71, 1100.	0.5	0
107	A dedicated applicator for light delivery and monitoring of PDT of intra-anal intraepithelial neoplasia. Photodiagnosis and Photodynamic Therapy, 2010, 7, 3-9.	1.3	24
108	Estimation of biological chromophores using diffuse optical spectroscopy: benefit of extending the UV-VIS wavelength range to include 1000 to 1600 nm. Biomedical Optics Express, 2010, 1, 1432.	1.5	106

#	Article	IF	Citations
109	Discriminating between absorption and scattering coefficients in optical characterisation measurements on gold nanoparticle based photoacoustic contrast agents. , 2009, , .		0
110	Monitoring interstitial mâ€THPCâ€PDT in vivo using fluorescence and reflectance spectroscopy. Lasers in Surgery and Medicine, 2009, 41, 653-664.	1.1	17
111	Head & Neck Oncology: purpose, scope and goals-charting the future. Head & Neck Oncology, 2009, 1, 1.	2.3	21
112	Head & neck optical diagnostics: vision of the future of surgery. Head & Neck Oncology, 2009, 1, 25.	2.3	32
113	Differential pathlength spectroscopy for diagnosis of head and neck cancer. Head & Neck Oncology, 2009, 1, .	2.3	3
114	Effect of hemoglobin extinction spectra on optical spectroscopic measurements of blood oxygen saturation. Optics Letters, 2009, 34, 1525.	1.7	27
115	Empirical model of the photon path length for a single fiber reflectance spectroscopy device. Optics Express, 2009, 17, 860.	1.7	58
116	Noninvasive measurement of oxygen saturation of the microvascular blood in Barrett's dysplasia by use of optical spectroscopy. Gastrointestinal Endoscopy, 2009, 70, 1-6.	0.5	29
117	In vivo quantification of chromophore concentration using fluorescence differential path length spectroscopy. Journal of Biomedical Optics, 2009, 14, 034022.	1.4	17
118	Monte Carlo analysis of single fiber reflectance spectroscopy: photon path length and sampling depth. Physics in Medicine and Biology, 2009, 54, 6991-7008.	1.6	68
119	In vivo quantification of mTHPC fluorescence in skinfold observation chamber using excitation and detection towards the near infrared region. Proceedings of SPIE, 2009, , .	0.8	1
120	Ex vivo quantification of mTHPC concentration in tissue: Influence of chemical extraction on the optical properties. Journal of Photochemistry and Photobiology B: Biology, 2008, 91, 99-107.	1.7	20
121	Microscopic localisation of protoporphyrin IX in normal mouse skin after topical application of 5-aminolevulinic acid or methyl 5-aminolevulinate. Journal of Photochemistry and Photobiology B: Biology, 2008, 92, 91-97.	1.7	52
122	Monitoring ALAâ€induced PpIX Photodynamic Therapy in the Rat Esophagus Using Fluorescence and Reflectance Spectroscopy. Photochemistry and Photobiology, 2008, 84, 1515-1527.	1.3	40
123	Fractionated aminolevulinic acidâ€“photodynamic therapy provides additional evidence for the use of PDT for nonâ€melanoma skin cancer. Journal of the European Academy of Dermatology and Venereology, 2008, 22, 426-430.	1.3	65
124	Non-invasive measurement of the morphology and physiology of oral mucosa by use of optical spectroscopy. Oral Oncology, 2008, 44, 65-71.	0.8	93
125	Empirical model description of photon path length for differential path length spectroscopy: combined effect of scattering and absorption. Journal of Biomedical Optics, 2008, 13, 064042.	1.4	18
126	Controlling the optical path length in turbid media using differential path-length spectroscopy: fiber diameter dependence. Applied Optics, 2008, 47, 365.	2.1	19

#	Article	IF	Citations
127	In vivo nonlinear spectral imaging microscopy of visible and ultraviolet irradiated hairless mouse skin tissues. Photochemical and Photobiological Sciences, 2008, 7, 1422.	1.6	18
128	Inductively coupled system for delivery and Monitoring of photodynamic therapy in a rat model for glioblastoma. , 2008, , .		1
129	Quantitative fluorescence spectroscopy in turbid media using fluorescence differential path length spectroscopy. Journal of Biomedical Optics, 2008, 13, 054051.	1.4	18
130	Confidence intervals on fit parameters derived from optical reflectance spectroscopy measurements. Journal of Biomedical Optics, 2008, 13, 054044.	1.4	44
131	Design and implementation of a sensitive high-resolution nonlinear spectral imaging microscope. Journal of Biomedical Optics, 2008, 13, 044019.	1.4	13
132	Telemetric light delivery and monitoring system for photodynamic therapy based on solid-state optodes. , 2008, , .		3
133	Light Fractionated ALA-PDT: From Pre-Clinical Models to Clinical Practice. Lecture Notes in Electrical Engineering, 2008, , 89-98.	0.3	0
134	Microscopic Distribution of Protoporphyrin (PpIX) Fluorescence in Superficial Basal Cell Carcinoma During Light-fractionated Aminolaevulinic Acid Photodynamic Therapy. Acta Dermato-Venereologica, 2008, 88, 547-554.	0.6	11
135	Response of Bowen Disease to ALA-PDT Using a Single and a 2-Fold Illumination Scheme. Archives of Dermatology, 2007, 143, 264-5.	1.7	39
136	Spectrally resolved multiphoton imaging of post-mortem biopsy and in-vivo mouse skin tissues. , 2007, , .		1
137	Increase in protoporphyrin IX after 5-aminolevulinic acid based photodynamic therapy is due to local re-synthesis. Photochemical and Photobiological Sciences, 2007, 6, 857.	1.6	22
138	Light fractionation does not enhance the efficacy of methyl 5-aminolevulinate mediated photodynamic therapy in normal mouse skin. Photochemical and Photobiological Sciences, 2007, 6, 1325.	1.6	28
139	HIF1a expression in bronchial biopsies correlates with tumor microvascular saturation determined using optical spectroscopy. Lung Cancer, 2007, 57, 317-321.	0.9	16
140	In vivo quantification of fluorescent molecular markers in real-time: A review to evaluate the performance of five existing methods. Photodiagnosis and Photodynamic Therapy, 2007, 4, 170-178.	1.3	23
141	Spectrally Resolved Multiphoton Imaging of In Vivo and Excised Mouse Skin Tissues. Biophysical Journal, 2007, 93, 992-1007.	0.2	130
142	In vivo quantification of fluorescent molecular markers in realâ€time by ratio imaging for diagnostic screening and imageâ€guided surgery. Lasers in Surgery and Medicine, 2007, 39, 605-613.	1.1	48
143	Performance of a dedicated light delivery and dosimetry device for photodynamic therapy of nasopharyngeal carcinoma: Phantom and volunteer experiments. Lasers in Surgery and Medicine, 2007, 39, 647-653.	1.1	34
144	Topical 5-Aminolevulinic Acid-photodynamic Therapy of Hairless Mouse Skin Using Two-fold Illumination Schemes: PpIX Fluorescence Kinetics, Photobleaching and Biological Effectâ€Â¶. Photochemistry and Photobiology, 2007, 72, 794-802.	1.3	2

#	Article	IF	Citations
145	Dose and Timing of the First Light Fraction in Two-fold Illumination Schemes for Topical ALA-mediated Photodynamic Therapy of Hairless Mouse SkinÂ¶. Photochemistry and Photobiology, 2007, 77, 319-323.	1.3	4
146	The importance of in situ dosimetry during photodynamic therapy of Barrett's esophagus. Gastrointestinal Endoscopy, 2006, 64, 786-788.	0.5	17
147	In vivo nonlinear spectral imaging in mouse skin. Optics Express, 2006, 14, 4395.	1.7	91
148	Two-photon spectral imaging microscopy of skin tissues. , 2006, , .		0
149	Optical Spectroscopy for the Classification of Malignant Lesions of the Bronchial Tree. Chest, 2006, 129, 995-1001.	0.4	60
150	Photonic crystal fiber as a tunable light source for visible wavelength two-photon microscopy. , 2006, , .		0
151	In vivo intrinsic emission spectral imaging microscopy of mouse skin tissues. , 2006, , .		0
152	Three-dimensional multiphoton autofluorescence spectral imaging of live tissues. , 2006, , .		1
153	Protoporphyrin IX Fluorescence Photobleaching and the Response of Rat Barrett's Esophagus Following 5-aminolevulinic Acid Photodynamic Therapy. Photochemistry and Photobiology, 2006, 82, 1638-1644.	1.3	33
154	Evidence for a bystander role of neutrophils in the response to systemic 5-aminolevulinic acid-based photodynamic therapy. Photodermatology Photoimmunology and Photomedicine, 2006, 22, 238-246.	0.7	25
155	Fractionated Illumination Significantly Improves the Response of Superficial Basal Cell Carcinoma to Aminolevulinic Acid Photodynamic Therapy. Journal of Investigative Dermatology, 2006, 126, 2679-2686.	0.3	96
156	Fractionated illumination after topical application of 5-aminolevulinic acid on normal skin of hairless mice: The influence of the dark interval. Journal of Photochemistry and Photobiology B: Biology, 2006, 85, 184-190.	1.7	32
157	Laser speckle imaging of dynamic changes in flow during photodynamic therapy. Lasers in Medical Science, 2006, 21, 208-212.	1.0	26
158	Topical 5-Aminolevulinic Acid Mediated Photodynamic Therapy of Superficial Basal Cell Carcinoma Using Two Light Fractions with a Two-hour Interval: Long-term Follow-up. Acta Dermato-Venereologica, 2006, 86, 412-417.	0.6	38
159	In vivo fluence rate measurements during Foscan[sup Â®]-mediated photodynamic therapy of persistent and recurrent nasopharyngeal carcinomas using a dedicated light applicator. Journal of Biomedical Optics, 2006, 11, 041107.	1.4	16
160	Protoporphyrin IX Fluorescence Photobleaching and the Response of Rat Barrett's Esophagus Following 5-aminolevulinic Acid Photodynamic Therapy. Photochemistry and Photobiology, 2006, 82, 1638.	1.3	13
161	Monitoring PDT by means of superficial reflectance spectroscopy. Journal of Photochemistry and Photobiology B: Biology, 2005, 79, 243-251.	1.7	37
162	The status of in vivo autofluorescence spectroscopy and imaging for oral oncology. Oral Oncology, 2005, 41, 117-131.	0.8	220

#	Article	IF	Citations
163	Autofluorescence and diffuse reflectance spectroscopy for oral oncology. Lasers in Surgery and Medicine, 2005, 36, 356-364.	1.1	134
164	Autofluorescence and Raman microspectroscopy of tissue sections of oral lesions. Lasers in Medical Science, 2005, 19, 203-209.	1.0	36
165	Determination of visible near-IR absorption coefficients of mammalian fat using time- and spatially resolved diffuse reflectance and transmission spectroscopy. Journal of Biomedical Optics, 2005, 10, 054004.	1.4	193
166	Optical biopsy of breast tissue using differential path-length spectroscopy. Physics in Medicine and Biology, 2005, 50, 2573-2581.	1.6	74
167	Measurement of Hypoxia-related Parameters in Bronchial Mucosa by Use of Optical Spectroscopy. American Journal of Respiratory and Critical Care Medicine, 2005, 171, 1178-1184.	2.5	54
168	P-149 Bronchoscopic measurement of hypoxia related parameters in bronchial tumors by use of differential path length spectroscopy (DPS). Lung Cancer, 2005, 49, S154.	0.9	0
169	Performance assessment of photon migration instruments: the MEDPHOT protocol. Applied Optics, 2005, 44, 2104.	2.1	185
170	Short-wavelength two-photon excitation fluorescence microscopy of tryptophan with a photonic crystal fiber based light source. Optics Express, 2005, 13, 5363.	1.7	58
171	Improving the specificity of fluorescence bronchoscopy for the analysis of neoplastic lesions of the bronchial tree by combination with optical spectroscopy: preliminary communication. Lung Cancer, 2005, 47, 41-47.	0.9	54
172	Intraoperatively assessed optical properties of malignant and healthy breast tissue used to determine the optimum wavelength of contrast for optical mammography. Journal of Biomedical Optics, 2004, 9, 1129.	1.4	48
173	Clinical study for classification of benign, dysplastic, and malignant oral lesions using autofluorescence spectroscopy. Journal of Biomedical Optics, 2004, 9, 940.	1.4	77
174	5-Aminolevulinic acid photodynamic therapy versus argon plasma coagulation for ablation of Barrett's oesophagus: a randomised trial. Gut, 2004, 53, 785-790.	6.1	123
175	Effects of individual characteristics on healthy oral mucosa autofluorescence spectra. Oral Oncology, 2004, 40, 815-823.	0.8	18
176	Chronic UVB exposure enhances in vitro percutaneous penetration of 5-aminulevulinic acid in hairless mouse skin. Lasers in Surgery and Medicine, 2004, 34, 141-145.	1.1	14
177	Fluorescein angiography for the detection of metastases of ovarian tumor in the abdominal cavity, a feasibility pilot. Lasers in Surgery and Medicine, 2004, 35, 349-353.	1.1	8
178	Effect of elevating the skin temperature during topical ALA application on in vitro ALA penetration through mouse skin and in vivo PpIX production in human skin. Photochemical and Photobiological Sciences, 2004, 3, 263.	1.6	38
179	Phosphorescence-Fluorescence ratio imaging for monitoring the oxygen status during photodynamic therapy. Optics Express, 2004, 12, 1873.	1.7	18
180	Measurement of the local optical properties of turbid media by differential path-length spectroscopy. Applied Optics, 2004, 43, 3048.	2.1	83

#	Article	IF	Citations
181	In vivo measurement of the local optical properties of tissue by use of differential path-length spectroscopy. Optics Letters, 2004, 29, 1087.	1.7	148
182	Selection/Extraction of Spectral Regions for Autofluorescence Spectra Measured in the Oral Cavity. Lecture Notes in Computer Science, 2004, , 1096-1104.	1.0	4
183	Autofluorescence characteristics of healthy oral mucosa at different anatomical sites. Lasers in Surgery and Medicine, 2003, 32, 367-376.	1.1	81
184	Comparative in vitro percutaneous penetration of 5-aminolevulinic acid and two of its esters through excised hairless mouse skin. Lasers in Surgery and Medicine, 2003, 33, 173-181.	1.1	39
185	Single-scattering spectroscopy for the endoscopic analysis of particle size in superficial layers of turbid media. Applied Optics, 2003, 42, 4095.	2.1	65
186	Monitoring In Situ Dosimetry and Protoporphyrin IX Fluorescence Photobleaching in the Normal Rat Esophagus During 5-Aminolevulinic Acid Photodynamic TherapyÂ¶. Photochemistry and Photobiology, 2003, 78, 271.	1.3	62
187	Dose and Timing of the First Light Fraction in Two-fold Illumination Schemes for Topical ALA-mediated Photodynamic Therapy of Hairless Mouse SkinÂ¶. Photochemistry and Photobiology, 2003, 77, 319.	1.3	47
188	Localization and staging of cervical intraepithelial neoplasia using double ratio fluorescence imaging. Journal of Biomedical Optics, 2002, 7, 215.	1.4	27
189	Diffuse-reflectance spectroscopy from 500 to 1060 nm by correction for inhomogeneously distributed absorbers. Optics Letters, 2002, 27, 246.	1.7	123
190	Quantitative Model Calculation of the Time-dependent Protoporphyrin IX Concentration in Normal Human Epidermis After Delivery of ALA by Passive Topical Application or IontophoresisÂ¶. Photochemistry and Photobiology, 2002, 75, 424.	1.3	36
191	In situ light dosimetry during photodynamic therapy of Barrett's esophagus with 5-aminolevulinic acid. Lasers in Surgery and Medicine, 2002, 31, 299-304.	1.1	34
192	Systemic Component of Protoporphyrin IX Production in Nude Mouse Skin upon Topical Application of Aminolevulinic Acid Depends on the Application ConditionsÂ¶. Photochemistry and Photobiology, 2002, 75, 172.	1.3	17
193	Fotodynamische therapie van tumoren in het hoofd-halsgebied. , 2002, , 384-392.		0
194	A Mathematical Evaluation of Dose-dependent PpIX Fluorescence Kinetics In VivoÂ¶. Photochemistry and Photobiology, 2001, 74, 311-317.	1.3	16
195	A mathematical evaluation of dose-dependent PpIX fluorescence kinetics in vivo. Photochemistry and Photobiology, 2001, 74, 311-7.	1.3	5
196	Localisation and accumulation of a new carotenoporphyrin in two primary tumour models. Journal of Photochemistry and Photobiology B: Biology, 2000, 54, 108-115.	1.7	7
197	Topical Application of 5-Aminolevulinic Acid Hexyl Ester and 5-Aminolevulinic Acid to Normal Nude Mouse Skin: Differences in Protoporphyrin IX Fluorescence Kinetics and the Role of the Stratum CorneumÂ¶. Photochemistry and Photobiology, 2000, 72, 681-689.	1.3	18
198	Topical 5-Aminolevulinic Acid-photodynamic Therapy of Hairless Mouse Skin Using Two-fold Illumination Schemes: PpIX Fluorescence Kinetics, Photobleaching and Biological Effectâ€Â¶. Photochemistry and Photobiology, 2000, 72, 794.	1.3	66

#	Article	IF	Citations
199	Photodetection with 5-Aminolevulinic Acidâ€“induced Protoporphyrin IX in the Rat Abdominal Cavity: Drug-doseâ€“dependent Fluorescence KineticsÂ¶. Photochemistry and Photobiology, 2000, 72, 521.	1.3	17
200	Protoporphyrin IX Fluorescence Kinetics and Localization after Topical Application of ALA Pentyl Ester and ALA on Hairless Mouse Skin with UVB-Induced Early Skin Cancer. Photochemistry and Photobiology, 2000, 72, 399.	1.3	36
201	Topical Application of 5-Aminolevulinic Acid Hexyl Ester and 5-Aminolevulinic Acid to Normal Nude Mouse Skin: Differences in Protoporphyrin IX Fluorescence Kinetics and the Role of the Stratum CorneumÂ¶. Photochemistry and Photobiology, 2000, 72, 681.	1.3	81
202	Protoporphyrin IX Kinetics in Rat Peritoneal Organs and Tumor After Systemic 5-Aminolevulinic Acid Administration. , 2000, , 353-356.		0
203	Intra-operative Fluorescence Imaging of ALA-induced PpIX using the Double Ratio Imaging Technique in Malignant Brain Tumours. , 2000, , 250-253.		0
204	White-light toxicity, resulting from systemically administered 5-aminolevulinic acid, under normal operating conditions. Journal of Photochemistry and Photobiology B: Biology, 1999, 50, 88-93.	1.7	10
205	Pneumothorax Monitoring by Remittance Measurement: Comparison Between Experimental Model and Animal Studies. Lasers in Medical Science, 1999, 14, 47-53.	1.0	0
206	Haemodynamic model of twin-twin transfusion syndrome in monochorionic twin pregnancies. Placenta, 1998, 19, 195-208.	0.7	78
207	Damage to Tumour and Brain by Interstitial Photodynamic Therapy in the 9L Rat Tumour Model Comparing Intravenous and Intratumoral Administration of the Photosensitiser. Acta Neurochirurgica, 1998, 140, 495-501.	0.9	19
208	5-Aminolevulinic Acid Induced Endogenous Porphyrin Fluorescence in 9L and C6 Brain Tumours and in the Normal Rat Brain. Acta Neurochirurgica, 1998, 140, 503-513.	0.9	74
209	Mathematical description of photobleachingin vivodescribing the influence of tissue optics on measured fluorescence signals. Physics in Medicine and Biology, 1997, 42, 1701-1716.	1.6	26
210	Photodynamic destruction of Haemophilus parainfluenzae by endogenously produced porphyrins. Journal of Photochemistry and Photobiology B: Biology, 1997, 40, 204-208.	1.7	50
211	Spectroscopic detection of oral and skin tissue transformation in a model for squamous cell carcinoma: autofluorescence versus systemic aminolevulinic acid-induced fluorescence. IEEE Journal of Selected Topics in Quantum Electronics, 1996, 2, 997-1007.	1.9	20
212	Evaluation of spectral correction techniques for fluorescence measurements on pigmented lesions in vivo. Journal of Photochemistry and Photobiology B: Biology, 1996, 35, 159-165.	1.7	33
213	In Vivo Fluorescence Spectroscopy and Imaging of Human Skin Tumors. Dermatologic Surgery, 1995, 21, 821-822.	0.4	17
214	In vivo autofluorescence of an unpigmented melanoma in mice. Correlation of spectroscopic properties to microscopic structure. Melanoma Research, 1995, 5, 211-216.	0.6	23
215	LOCAL NEUROTOXICITY OF HEMATOPORPHYRIN DERIVATIVE FOLLOWING INTRACEREBRAL INJECTION. Photochemistry and Photobiology, 1995, 61, 494-498.	1.3	2
216	Fluorescence localization in tumour and normal brain after intratumoral injection of haematoporphyrin derivative into rat brain tumour. Journal of Photochemistry and Photobiology B: Biology, 1995, 27, 85-92.	1.7	20

#	Article	IF	Citations
217	Can intra-uterine mortality be reduced in Nd-YAG laser treatment of Twin-Twin Transfusion Syndrome? An analysis. Lasers in Medical Science, 1995, 10, 283-286.	1.0	0
218	In vivo fluorescence spectroscopy and imaging of human skin tumours. Lasers in Medical Science, 1994, 9, 191-201.	1.0	109
219	Digital imaging of haematoporphyrin derivative distribution in rat brain following intracerebral administration. Lasers in Medical Science, 1994, 9, 283-290.	1.0	0
220	Tumor growth delay by laser-generated shock waves. Lasers in Surgery and Medicine, 1994, 14, 205-212.	1.1	4
221	Double-integrating-sphere system for measuring the optical properties of tissue. Applied Optics, 1993, 32, 399.	2.1	380
222	Continuous pneumothorax monitoring by remittance measurement. Applied Optics, 1993, 32, 454.	2.1	2
223	Quantification of the hematoporphyrin derivative by fluorescence measurement using dual-wavelength excitation and dual-wavelength detection. Applied Optics, 1993, 32, 541.	2.1	67
224	Application of optical parametric oscillators in laser-tissue interaction studies. , 1993, , .		1
225	Two integrating spheres with an intervening scattering sample. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1992, 9, 621.	0.8	119
226	Photodynamic therapy of malignant glioma. Clinical Neurology and Neurosurgery, 1991, 93, 293-307.	0.6	31
227	<title>Laser lithotripsy with a pulsed dye laser: correlation between threshold energy and optical properties</title>. , 1991, 1427, 256.		0
228	<title>Theoretical analysis of stone fragmentation rates</title>. , 1991, 1525, 170.		0
229	EVALUATION OF SKIN CANCER RISK RESULTING FROM LONG TERM OCCUPATIONAL EXPOSURE TO RADIATION FROM ULTRAVIOLET LASERS IN THE RANGE FROM 190 TO 400 nm. Photochemistry and Photobiology, 1991, 54, 775-780.	1.3	14
230	High-speed photographic evaluation of endoscopic lithotripsy devices. Urological Research, 1991, 19, 381-385.	1.5	14
231	TUMORIGENESIS BY A LONG WAVELENGTH UVâ€A SOURCE. Photochemistry and Photobiology, 1990, 51, 325-330.	1.3	141
232	Laser lithotripsy with a 504 nm pulsed dye laser: in vitro fragmentation related to stone weight and pulse energy. Lasers in Medical Science, 1990, 5, 65-69.	1.0	3
233	Skin optics. IEEE Transactions on Biomedical Engineering, 1989, 36, 1146-1154.	2.5	660
234	THE DOSEâ€RESPONSE RELATIONSHIP OF TUMORIGENESIS BY ULTRAVIOLET RADIATION OF 254 nm. Photochemistry and Photobiology, 1988, 47, 245-253.	1.3	37

#	Article	IF	Citations
235	The dose-response relationship for tumourigenesis by UV radiation in the region 311 â€“ 312 nm. Journal of Photochemistry and Photobiology B: Biology, 1988, 2, 179-194.	1.7	29
236	Enhancement of fluorescence contrast using two wavelength excitation and two wavelength detection. , 0, , .		0