

Georges Wagnières

List of Publications by Year in descending order

Source: [//exaly.com/author-pdf/6741539/publications.pdf](https://exaly.com/author-pdf/6741539/publications.pdf)

Version: 2024-02-01

111
papers

3,578
citations

132226

32
h-index

144563

57
g-index

117
all docs

117
docs citations

117
times ranked

4111
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Photobiomodulation on Protein Kinase C δ , Cytochrome C, and Mitochondria in U87 MG Cells. <i>Cells</i> , 2023, 12, 1441.	4.3	3
2	Identification of excimer delayed fluorescence by Protoporphyrin IX: A novel access to local chromophore concentration?. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2022, 229, 112408.	3.9	3
3	The Chicken Embryo Chorioallantoic Membrane as an In Vivo Model for Photodynamic Therapy. <i>Methods in Molecular Biology</i> , 2022, 2451, 107-125.	0.0	2
4	Cathepsin B-Cleavable Polymeric Photosensitizer Prodrug for Selective Photodynamic Therapy: In Vitro Studies. <i>Pharmaceuticals</i> , 2022, 15, 564.	3.9	10
5	Optimization of the Distance between Cylindrical Light Distributors Used for Interstitial Light Delivery in Biological Tissues. <i>Photonics</i> , 2022, 9, 597.	2.1	2
6	Influence of Oxidative Stress on Time-Resolved Oxygen Detection by [Ru(Phen) ₃] ²⁺ In Vivo and In Vitro. <i>Molecules</i> , 2021, 26, 485.	3.9	7
7	Intraocular Lens Refractive Index and Its Impact on External Surface Reflections. <i>Journal of Refractive Surgery</i> , 2021, 37, 398-402.	2.3	2
8	Stimulation and homogenization of the protoporphyrin IX endogenous production by photobiomodulation to increase the potency of photodynamic therapy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 225, 112347.	3.9	12
9	Autophagy and Apoptosis Induced in U87 MG Glioblastoma Cells by Hypericin-Mediated Photodynamic Therapy Can Be Photobiomodulated with 808 nm Light. <i>Biomedicines</i> , 2021, 9, 1703.	3.3	14
10	Stimulation of the oxygen consumption by photobiomodulation in the chicken embryo chorioallantoic membrane during hypoxia. <i>Translational Biophotonics</i> , 2020, 2, e201900025.	3.0	1
11	Optical Characterization of an Intra-Arterial Light and Drug Delivery System for Photodynamic Therapy of Atherosclerotic Plaque. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4304.	2.6	3
12	A general framework for non-exponential delayed fluorescence and phosphorescence decay analysis, illustrated on Protoporphyrin IX. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 209, 111887.	3.9	3
13	Comparison of autofluorescence and white-light bronchoscopies performed with the Evis Lucera Spectrum for the detection of bronchial cancers: a meta-analysis. <i>Translational Lung Cancer Research</i> , 2020, 9, 23-32.	2.7	8
14	Catechin reduces phototoxic effects induced by protoporphyrin IX-based photodynamic therapy in the chick embryo chorioallantoic membrane. <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	2.8	5
15	Vascular-targeted low dose photodynamic therapy stabilizes tumor vessels by modulating pericyte contractility. <i>Lasers in Surgery and Medicine</i> , 2019, 51, 550-561.	2.1	15
16	Increase and homogenization of the endogenous production of protoporphyrin IX by photobiomodulation. , 2019, , .		0
17	Photoprotective effect of catechin during ALA-PDT. , 2019, , .		0
18	Hypericin can cross barriers in the chicken's chorioallantoic membrane model when delivered in low-density lipoproteins. <i>Photodiagnosis and Photodynamic Therapy</i> , 2018, 23, 306-313.	2.7	13

#	ARTICLE	IF	CITATIONS
19	Measurements of the optical coefficients of the protoporphyrin IX endogenously producing yeast-based model in the visible and NIR. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.8	1
20	Modulation of the endogenous production of protoporphyrin IX in a yeast-based model organism. <i>Proceedings of SPIE</i> , 2017, , .	1.0	1
21	In vivo measurement of the tissue oxygenation by time-resolved luminescence spectroscopy of protoporphyrin IX: strategies to minimize artefacts associated with photoproducts. <i>Proceedings of SPIE</i> , 2017, , .	1.0	0
22	Photodynamic therapy for the treatment of atherosclerotic plaque: Lost in translation?. <i>Cardiovascular Therapeutics</i> , 2017, 35, e12238.	2.5	33
23	Negligible interaction of [Ru(Phen) ₃] ²⁺ with human serum albumin makes it promising for a reliable in vivo assessment of the tissue oxygenation. <i>Journal of Inorganic Biochemistry</i> , 2017, 174, 37-44.	3.7	7
24	Interstitial fluid pressure: A novel biomarker to monitor photoinduced drug uptake in tumor and normal tissues. <i>Lasers in Surgery and Medicine</i> , 2017, 49, 773-780.	2.1	11
25	Determination of the radiance of cylindrical light diffusers: design of a one-axis charge-coupled device camera-based goniometer setup. <i>Journal of Biomedical Optics</i> , 2017, 22, 035004.	2.8	4
26	Measurement of pO ₂ by luminescence lifetime spectroscopy: A comparative study of the phototoxicity and sensitivity of [Ru(Phen) ₃] ²⁺ and PdTCPP in vivo. <i>Journal of Biophotonics</i> , 2017, 10, 708-717.	2.4	13
27	Intra-Arterial Drug and Light Delivery for Photodynamic Therapy Using Visudyne®: Implication for Atherosclerotic Plaque Treatment. <i>Frontiers in Physiology</i> , 2016, 7, 400.	2.8	42
28	Optimization and characterization of the endogenous production of protoporphyrin IX in a yeast model. <i>Journal of Biomedical Optics</i> , 2016, 21, 125008.	2.8	5
29	Effect of PpIX photoproducts formation on pO ₂ measurement by time-resolved delayed fluorescence spectroscopy of PpIX in solution and in vivo. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 164, 49-56.	3.9	11
30	Study of the NIR Light Induced Effects on Neuroblastoma N2A Cells with Parkinson's-Like Features. <i>Biophysical Journal</i> , 2016, 110, 470a-471a.	0.5	0
31	Treatment of pleural malignancies by photoinduction combined to systemic chemotherapy: Proof of concept on rodent lung tumors and feasibility study on porcine chest cavities. <i>Lasers in Surgery and Medicine</i> , 2015, 47, 807-816.	2.1	5
32	Fluence plays a critical role on the subsequent distribution of chemotherapy and tumor growth delay in murine mesothelioma xenografts pretreated by photodynamic therapy. <i>Lasers in Surgery and Medicine</i> , 2015, 47, 323-330.	2.1	8
33	Optical properties of rabbit brain in the red and near-infrared: changes observed under in vivo, postmortem, frozen, and formalin-fixed conditions. <i>Journal of Biomedical Optics</i> , 2015, 20, 025006.	2.8	30
34	Study of the influence of over-the-counter vitamin supplement intake on urine fluorescence to optimize cancer detection by fluorescence cystoscopy. <i>Journal of Biomedical Optics</i> , 2015, 20, 066011.	2.8	3
35	Photobiomodulation Suppresses Alpha-Synuclein-Induced Toxicity in an AAV-Based Rat Genetic Model of Parkinson's Disease. <i>PLoS ONE</i> , 2015, 10, e0140880.	2.5	69
36	Temperature and oxygen-concentration dependence of singlet oxygen production by RuPhen as induced by quasi-continuous excitation. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 1781-1787.	2.9	12

#	ARTICLE	IF	CITATIONS
37	Endosomes: guardians against [Ru(Phen) ₃] ²⁺ photo-action in endothelial cells during in vivo pO ₂ detection?. Metallomics, 2014, 6, 2279-2289.	2.5	11
38	Optical spectroscopy of the bladder washout fluid to optimize fluorescence cystoscopy with Hexvix®. Journal of Biomedical Optics, 2014, 19, 097002.	2.8	5
39	<i>In vivo</i> measurement of tissue oxygenation by time-resolved luminescence spectroscopy: advantageous properties of dichlorotris(1, 10-phenanthroline)-ruthenium(II) hydrate. Journal of Biomedical Optics, 2014, 19, 077004.	2.8	23
40	Low-Dose Vascular Photodynamic Therapy Decreases Tumor Interstitial Fluid Pressure, which Promotes Liposomal Doxorubicin Distribution in a Murine Sarcoma Metastasis Model. Translational Oncology, 2014, 7, 393-399.	3.8	28
41	Study of the stability of the 5-aminolevulinic acid tyrosine ester in aqueous solution. Arkivoc, 2014, 2014, 228-238.	0.6	1
42	Correlations between photoactivable porphyrins' fluorescence, erythema and the pain induced by PDT on normal skin using ALA-derivatives. Photodiagnosis and Photodynamic Therapy, 2013, 10, 683-693.	2.7	19
43	Near-Infrared 808 nm Light Boosts Complex IV-Dependent Respiration and Rescues a Parkinson-Related pink1 Model. PLoS ONE, 2013, 8, e78562.	2.5	42
44	Reflectance imaging of the human retina at 810nm does not suffice to optimize the parameters of hydrodynamic rebalancing laser treatment. Journal of Biomedical Optics, 2012, 17, 116027.	2.8	0
45	Real-time, <i>in vivo</i> measurement of tissular pO ₂ through the delayed fluorescence of endogenous protoporphyrin IX during photodynamic therapy. Journal of Biomedical Optics, 2012, 17, 115007.	2.8	41
46	Angiogenesis inhibition by the maleimide-based small molecule GNX-686. Microvascular Research, 2012, 83, 105-110.	2.5	15
47	Photoactive sawhorse-type diruthenium tetracarbonyl complexes. Inorganica Chimica Acta, 2012, 393, 246-251.	2.5	19
48	Probing the Interaction Between a Surfactant-Cobalt(III) Complex and Bovine Serum Albumin. Journal of Solution Chemistry, 2012, 41, 294-306.	1.3	9
49	Organometallic Ruthenium(II) Arene Compounds with Antiangiogenic Activity. Journal of Medicinal Chemistry, 2011, 54, 3895-3902.	6.6	230
50	Study of the pO ₂ -Sensitivity of the Dendrimeric and Free Forms of Pd-meso-tetra(4-carboxyphenyl)porphyrin, Incorporated or not in Chitosan-Based Nanoparticles. Chimia, 2011, 65, 691.	0.7	9
51	Angiostasis-induced vascular normalization can improve photodynamic therapy. Cellular and Molecular Life Sciences, 2010, 67, 1559-1560.	5.5	11
52	Chitosan-based nanogels for selective delivery of photosensitizers to macrophages and improved retention in and therapy of articular joints. Journal of Controlled Release, 2010, 144, 242-250.	10.2	114
53	Photodynamic therapy selectively enhances liposomal doxorubicin uptake in sarcoma tumors to rodent lungs. Lasers in Surgery and Medicine, 2010, 42, 391-399.	2.1	19
54	The Neovessel Occlusion Efficacy of 15-Hydroxypurpurin-7-Lactone Dimethyl Ester Induced with Photodynamic Therapy. Photochemistry and Photobiology, 2010, 86, 397-402.	2.6	29

#	ARTICLE	IF	CITATIONS
55	High-magnification vascular imaging to reject false-positive sites in situ during Hexvix® fluorescence cystoscopy. <i>Journal of Biomedical Optics</i> , 2010, 15, 051606.	2.8	6
56	Fluorescence of the bladder washout fluid following cystoscopy: a preliminary study. <i>Proceedings of SPIE</i> , 2010, , .	1.0	1
57	Processing of fluorescence angiograms for the quantification of vascular effects induced by anti-angiogenic agents in the CAM model. <i>Microvascular Research</i> , 2010, 79, 21-28.	2.5	61
58	In Vitro and In Vivo Photocytotoxicity of Boron Dipyrromethene Derivatives for Photodynamic Therapy. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 2865-2874.	6.6	321
59	In vitro and in vivo studies of new photoluminescent oxygen sensors for non-invasive intravascular pO ₂ measurements. , 2009, , .		4
60	Autofluorescence bronchoscopy: quantification of inter-patient variations of fluorescence intensity. <i>Lasers in Medical Science</i> , 2009, 24, 45-51.	2.1	7
61	In vivo time-resolved spectroscopy of the human bronchial early cancer autofluorescence. <i>Journal of Biomedical Optics</i> , 2009, 14, 024011.	2.8	24
62	Detection of early bladder carcinoma by fluorescence cystoscopy with Hexvix: optical characterization of a high magnification cystoscope. <i>Proceedings of SPIE</i> , 2009, , .	1.0	0
63	Bladder cancer detection by fluorescence imaging with Hexvix: optimization of the excitation light during high magnification cystoscopy. , 2009, , .		0
64	Vascular effects induced by anti-VEGF agents in the CAM model: effect of the DMSO. , 2009, , .		3
65	Bladder cancer detection by fluorescence imaging with Hexvix: analysis and processing of images obtained during high magnification cystoscopy. , 2009, , .		0
66	Comparison of ALA- and ALA hexyl-ester-induced PpIX depth distribution in human skin carcinoma. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2008, 93, 140-148.	3.9	33
67	Improvement of the specificity of cancer detection by autofluorescence imaging in the tracheo-bronchial tree using backscattered violet light. <i>Photodiagnosis and Photodynamic Therapy</i> , 2008, 5, 2-9.	2.7	11
68	Glycoside Esters of 5-Aminolevulinic Acid for Photodynamic Therapy of Cancer. <i>Bioconjugate Chemistry</i> , 2008, 19, 821-839.	3.8	37
69	Detection of early bladder carcinoma by fluorescence cystoscopy with Hexvix(R): improvement of the specificity by microcystoscopy. , 2008, , .		2
70	Optimized autofluorescence bronchoscopy using additional backscattered red light. <i>Journal of Biomedical Optics</i> , 2007, 12, 064016.	2.8	19
71	Detection of early bronchial cancer by autofluorescence: results in patients with H&N cancer. , 2007, , .		0
72	Evaluation of the Photosensitizer Tookad® for Photodynamic Therapy on the Syrian Golden Hamster Cheek Pouch Model: Light Dose, Drug Dose and Drug-light Interval Effects¶. <i>Photochemistry and Photobiology</i> , 2007, 78, 377-383.	2.6	2

#	ARTICLE	IF	CITATIONS
73	Blue-Violet Excited Autofluorescence Spectroscopy and Imaging of Normal and Cancerous Human Bronchial Tissue after Formalin Fixation. <i>Photochemistry and Photobiology</i> , 2007, 83, 450-459.	2.6	23
74	Improvement of the contrast in cancer detection by autofluorescence bronchoscopy using a narrowband spectral violet excitation: A preliminary study. <i>Biomedical Signal Processing and Control</i> , 2007, 2, 234-238.	5.9	6
75	Autofluorescence bronchoscopy: Clinical experience with an optimized system in head and neck cancer patients. <i>Medical Laser Application: International Journal for Laser Treatment and Research</i> , 2007, 22, 185-192.	0.4	3
76	IMPROVEMENT OF THE CONTRAST IN CANCER DETECTION BY AUTOFLUORESCENCE BRONCHOSCOPY USING A NARROW SPECTRAL VIOLET EXCITATION : A PRELIMINARY STUDY. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 17-22.	0.4	0
77	On the Role of Iron and one of its Chelating Agents in the Production of Protoporphyrin IX Generated by 5-aminolevulinic Acid and its Hexyl Ester Derivative Tested on an Epidermal Equivalent of Human Skin. <i>Photochemistry and Photobiology</i> , 2006, 82, 1069-1076.	2.6	16
78	Influence of the menstrual cycle on aminolevulinic acid induced protoporphyrin IX fluorescence in the endometrium: In vivo study. <i>Lasers in Surgery and Medicine</i> , 2005, 36, 234-237.	2.1	5
79	Photodynamic endometrial ablation for the treatment of dysfunctional uterine bleeding: A preliminary report. <i>Lasers in Surgery and Medicine</i> , 2004, 34, 1-4.	2.1	13
80	Time-dependent hexaminolaevulinate induced protoporphyrin IX distribution after topical application in patients with cervical intraepithelial neoplasia: A fluorescence microscopy study. <i>Lasers in Surgery and Medicine</i> , 2004, 35, 276-283.	2.1	29
81	Photodynamic endometrial ablation: Morphological study. <i>Lasers in Surgery and Medicine</i> , 2003, 32, 305-309.	2.1	17
82	Mucosal ablation with photodynamic therapy in the esophagus: Optimization of light dosimetry in the sheep model. <i>Gastrointestinal Endoscopy</i> , 2003, 57, 897-905.	1.0	26
83	In vivo autofluorescence imaging of early cancers in the human tracheobronchial tree with a spectrally optimized system. <i>Journal of Biomedical Optics</i> , 2003, 8, 17.	2.8	57
84	Lung Cancer Imaging with Fluorescence Endoscopy. , 2003, , 361-396.		23
85	Lung Cancer Imaging With Fluorescence Endoscopy. , 2003, , .		4
86	Photoeradication of <i>Helicobacter pylori</i> using 5-aminolevulinic acid: Preliminary human studies. <i>Lasers in Surgery and Medicine</i> , 2002, 31, 18-22.	2.1	42
87	Absolute autofluorescence spectra of human healthy, metaplastic, and early cancerous bronchial tissue in vivo. <i>Applied Optics</i> , 2001, 40, 3784.	2.1	37
88	Fluorescence pharmacokinetics of Lutetium Texaphyrin (PCI-0123, Lu-Tex) in the skin and in healthy and tumoral hamster cheek-pouch mucosa. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2000, 55, 56-62.	3.9	17
89	5-Aminolevulinic acid and its derivatives: physical chemical properties and protoporphyrin IX formation in cultured cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2000, 54, 72-80.	3.9	198
90	Photodynamic Therapy of Early Squamous Cell Cancers of the Esophagus. <i>Gastrointestinal Endoscopy Clinics of North America</i> , 2000, 10, 439-460.	1.7	34

#	ARTICLE	IF	CITATIONS
91	Time-resolved spectrofluorometer for clinical tissue characterization during endoscopy. Review of Scientific Instruments, 1999, 70, 4067-4077.	1.4	73
92	Instrumentation for real-time fluorescence lifetime imaging in endoscopy. Review of Scientific Instruments, 1999, 70, 4689-4701.	1.4	54
93	Rapid Communication: Stability of the Fluorescence Measurement of Foscan® in the Normal Human Oral Cavity as an Indicator of its Content in Early Cancers of the Esophagus and the Bronchi. Photochemistry and Photobiology, 1999, 69, 605-610.	2.6	27
94	In vivo investigation of the optical properties of muscle using a layered model. , 1999, , .		0
95	Pharmacokinetics of Tetra (m-hydroxyphenyl)chlorin in Human Plasma and Individualized Light Dosimetry in Photodynamic Therapy. Photochemistry and Photobiology, 1998, 67, 596-602.	2.6	54
96	Clinical Evaluation of the Cutaneous Phototoxicity of 5,10,15,20-Tetra (m-hydroxyphenyl)chlorin. Photochemistry and Photobiology, 1998, 68, 382-387.	2.6	59
97	Spectroscopic studies of photobleaching and photoproduct formation of meta(tetrahydroxyphenyl)chlorin (m-THPC) used in photodynamic therapy. The production of singlet oxygen by m-THPC. Journal of Photochemistry and Photobiology B: Biology, 1998, 45, 170-178.	3.9	116
98	Interstitial photodynamic therapy with tetra(m-hydroxyphenyl)chlorin: tumor versus striated muscle damage. International Journal of Radiation Oncology Biology Physics, 1998, 42, 403-412.	0.8	10
99	Noninvasive determination of the optical properties of two-layered turbid media. Applied Optics, 1998, 37, 779.	2.1	259
100	Investigation of two-layered turbid media with time-resolved reflectance. Applied Optics, 1998, 37, 6852.	2.1	92
101	Clinical Evaluation of the Cutaneous Phototoxicity of 5,10,15,20-Tetra (m-hydroxyphenyl)chlorin. Photochemistry and Photobiology, 1998, 68, 382.	2.6	5
102	An optical phantom with tissue-like properties in the visible for use in PDT and fluorescence spectroscopy. Physics in Medicine and Biology, 1997, 42, 1415-1426.	3.0	99
103	EPR and Spectrophotometric Studies of Free Radicals ($O_2^{\cdot-}$, \dot{A}^{\cdot} , $\dot{A}^{\cdot}OH$), Tj ETQq1 1 0.784314 rgBT /Overloc Benzoporphyrin Derivative Monoacid Ring A. Photochemistry and Photobiology, 1997, 65, 818-827.	2.6	40
104	Light dosimetry for photodynamic therapy in the esophagus. Lasers in Surgery and Medicine, 1997, 20, 290-303.	2.1	36
105	Clinical evaluation of a method for detecting superficial transitional cell carcinoma of the bladder by light-induced fluorescence of protoporphyrin IX following topical application of 5-aminolevulinic acid: Preliminary results. Lasers in Surgery and Medicine, 1997, 20, 402-408.	2.1	122
106	Three-dimensional optical phantom and its application in photodynamic therapy. Lasers in Surgery and Medicine, 1997, 21, 227-234.	2.1	46
107	Clinical determination of tissue optical properties by endoscopic spatially resolved reflectometry. Applied Optics, 1996, 35, 1756.	2.1	80
108	Photodynamic Therapy for Cancer of the Upper Aerodigestive Tract Using Tetra(m-hydroxyphenyl)chlorin. Photomedicine and Laser Surgery, 1996, 14, 281-287.	1.1	77

#	ARTICLE	IF	CITATIONS
109	<i>In Vivo</i> Fluence Rate Effect in Photodynamic Therapy of Early Cancers with Tetra(meta-hydroxyphenyl)chlorin. <i>Photochemistry and Photobiology</i> , 1996, 64, 963-968.	2.6	49
110	Clinical pharmacokinetic studies of tetra(meta-hydroxyphenyl)chlorin in squamous cell carcinoma by fluorescence spectroscopy at 2 wavelengths. <i>International Journal of Cancer</i> , 1995, 63, 198-204.	5.4	48
111	Antibody-fluorescein conjugates for photoimmunodiagnosis of human colon carcinoma in nude mice. <i>Cancer</i> , 1991, 67, 2529-2537.	4.1	84