

# Lothar D Lilge

## List of Publications by Citations

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190  
papers

5,428  
citations

39  
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241  
ext. papers

6,219  
ext. citations

4.6  
avg, IF

5.51  
L-index

#	Paper	IF	Citations
190	Transition Metal Complexes and Photodynamic Therapy from a Tumor-Centered Approach: Challenges, Opportunities, and Highlights from the Development of TLD1433. <i>Chemical Reviews</i> , <b>2019</b> , 119, 797-828	68.1	517
189	The distribution of the anticancer drug Doxorubicin in relation to blood vessels in solid tumors. <i>Clinical Cancer Research</i> , <b>2005</b> , 11, 8782-8	12.9	378
188	Spatially resolved absolute diffuse reflectance measurements for noninvasive determination of the optical scattering and absorption coefficients of biological tissue. <i>Applied Optics</i> , <b>1996</b> , 35, 2304-14	1.7	329
187	Implicit and explicit dosimetry in photodynamic therapy: a New paradigm. <i>Lasers in Medical Science</i> , <b>1997</b> , 12, 182-99	3.1	307
186	Ru(II) dyads derived from $\beta$ -ligand thiophenes: A new class of potent and versatile photosensitizers for PDT. <i>Coordination Chemistry Reviews</i> , <b>2015</b> , 282-283, 127-138	23.2	184
185	Metronomic photodynamic therapy as a new paradigm for photodynamic therapy: rationale and preclinical evaluation of technical feasibility for treating malignant brain tumors. <i>Photochemistry and Photobiology</i> , <b>2004</b> , 80, 22-30	3.6	116
184	Next-generation acceleration and code optimization for light transport in turbid media using GPUs. <i>Biomedical Optics Express</i> , <b>2010</b> , 1, 658-75	3.5	109
183	Photodynamic inactivation of Staphylococcus aureus and methicillin-resistant Staphylococcus aureus with Ru(II)-based type I/type II photosensitizers. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2013</b> , 10, 615-25	3.5	96
182	A novel class of ruthenium-based photosensitizers effectively kills in vitro cancer cells and in vivo tumors. <i>Photochemical and Photobiological Sciences</i> , <b>2015</b> , 14, 2014-23	4.2	94
181	Photodynamic therapy of intracranial tissues: a preclinical comparative study of four different photosensitizers. <i>Photomedicine and Laser Surgery</i> , <b>1998</b> , 16, 81-91		93
180	Effects of 630-, 660-, 810-, and 905-nm laser irradiation delivering radiant exposure of 1-50 J/cm <sup>2</sup> on three species of bacteria in vitro. <i>Photomedicine and Laser Surgery</i> , <b>2002</b> , 20, 325-33		91
179	Evidence for the direct binding of phosphorylated p53 to sites of DNA breaks in vivo. <i>Cancer Research</i> , <b>2005</b> , 65, 10810-21	10.1	90
178	Drug delivery to the brain by focused ultrasound induced blood-brain barrier disruption: quantitative evaluation of enhanced permeability of cerebral vasculature using two-photon microscopy. <i>Journal of Controlled Release</i> , <b>2013</b> , 172, 274-280	11.7	86
177	Microfabricated system for parallel single-cell capillary electrophoresis. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 4983-9	7.8	86
176	A ruthenium(ii) based photosensitizer and transferrin complexes enhance photo-physical properties, cell uptake, and photodynamic therapy safety and efficacy. <i>Photochemical and Photobiological Sciences</i> , <b>2016</b> , 15, 481-95	4.2	84
175	Apoptosis induced in vivo by photodynamic therapy in normal brain and intracranial tumour tissue. <i>British Journal of Cancer</i> , <b>2000</b> , 83, 1110-7	8.7	82
174	Antimicrobial photodynamic therapy with fulleropyrrolidine: photoinactivation mechanism of Staphylococcus aureus, in vitro and in vivo studies. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 4031-43	5.7	74

173	Fluorescence image-guided brain tumour resection with adjuvant metronomic photodynamic therapy: pre-clinical model and technology development. <i>Photochemical and Photobiological Sciences</i> , <b>2005</b> , 4, 438-42	4.2	70
172	Why do veins appear blue? A new look at an old question. <i>Applied Optics</i> , <b>1996</b> , 35, 1151	1.7	69
171	Silicon nanoparticles produced by femtosecond laser ablation in water as novel contamination-free photosensitizers. <i>Journal of Biomedical Optics</i> , <b>2009</b> , 14, 021010	3.5	67
170	Increased brain tumor resection using fluorescence image guidance in a preclinical model. <i>Lasers in Surgery and Medicine</i> , <b>2004</b> , 35, 181-90	3.6	63
169	Three-Dimensional Arrays in Polymer Nanocomposites. <i>Advanced Materials</i> , <b>1999</b> , 11, 231-234	24	62
168	The sensitivity of normal brain and intracranially implanted VX2 tumour to interstitial photodynamic therapy. <i>British Journal of Cancer</i> , <b>1996</b> , 73, 332-43	8.7	62
167	Photodynamic therapy of U87 human glioma in nude rat using liposome-delivered photofrin. <i>Lasers in Surgery and Medicine</i> , <b>1998</b> , 22, 74-80	3.6	59
166	In vivo effects of low level laser therapy on inducible nitric oxide synthase. <i>Lasers in Surgery and Medicine</i> , <b>2009</b> , 41, 227-31	3.6	53
165	Effects of low-level laser therapy (LLLT) of 810 nm upon in vitro growth of bacteria: relevance of irradiance and radiant exposure. <i>Photomedicine and Laser Surgery</i> , <b>2003</b> , 21, 283-90		53
164	Effects of 810 nm laser irradiation on in vitro growth of bacteria: comparison of continuous wave and frequency modulated light. <i>Lasers in Surgery and Medicine</i> , <b>2002</b> , 31, 343-51	3.6	52
163	Photodynamic therapy of 9L gliosarcoma with liposome-delivered photofrin. <i>Photochemistry and Photobiology</i> , <b>1997</b> , 65, 701-6	3.6	51
162	Interpretation of intrinsic optical signals and calcein fluorescence during acute excitotoxic insult in the hippocampal slice. <i>NeuroImage</i> , <b>1999</b> , 10, 357-72	7.9	51
161	A solubilization technique for photosensitizer quantification in ex vivo tissue samples. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>1997</b> , 39, 229-35	6.7	49
160	Non-ionizing near-infrared radiation transillumination spectroscopy for breast tissue density and assessment of breast cancer risk. <i>Journal of Biomedical Optics</i> , <b>2004</b> , 9, 794-803	3.5	48
159	In vivo study of the inflammatory modulating effects of low-level laser therapy on iNOS expression using bioluminescence imaging. <i>Photochemistry and Photobiology</i> , <b>2005</b> , 81, 1351-5	3.6	47
158	Differential expression of sirtuin family members in the developing, adult, and aged rat brain. <i>Frontiers in Aging Neuroscience</i> , <b>2014</b> , 6, 333	5.3	45
157	Novel Osmium-based Coordination Complexes as Photosensitizers for Panchromatic Photodynamic Therapy. <i>Photochemistry and Photobiology</i> , <b>2017</b> , 93, 1248-1258	3.6	44
156	Diverse optical characteristic of the prostate and light delivery system: implications for computer modelling of prostatic photodynamic therapy. <i>BJU International</i> , <b>2005</b> , 95, 1237-44	5.6	43

155	The influence of hypoxia on bioluminescence in luciferase-transfected gliosarcoma tumor cells in vitro. <i>Photochemical and Photobiological Sciences</i> , <b>2008</b> , 7, 675-80	4.2	42
154	In vivo quantification of fluorescent molecular markers in real-time by ratio imaging for diagnostic screening and image-guided surgery. <i>Lasers in Surgery and Medicine</i> , <b>2007</b> , 39, 605-13	3.6	42
153	Low Level Laser Therapy (LLLT) for Neck Pain: A Systematic Review and Meta-Regression. <i>The Open Orthopaedics Journal</i> , <b>2013</b> , 7, 396-419	0.3	40
152	Performance evaluation of cylindrical fiber optic light diffusers for biomedical applications. <i>Lasers in Surgery and Medicine</i> , <b>2004</b> , 34, 348-51	3.6	39
151	Localized drug delivery using crosslinked gelatin gels containing liposomes: factors influencing liposome stability and drug release. <i>Journal of Biomedical Materials Research Part B</i> , <b>2000</b> , 51, 96-106		39
150	Miniature isotropic optical fibre probes for quantitative light dosimetry in tissue. <i>Physics in Medicine and Biology</i> , <b>1993</b> , 38, 215-30	3.8	39
149	Absorbed photodynamic dose from pulsed versus continuous wave light examined with tissue-simulating dosimeters. <i>Applied Optics</i> , <b>1997</b> , 36, 7257-69	1.7	36
148	Delineation of Tumor Habitats based on Dynamic Contrast Enhanced MRI. <i>Scientific Reports</i> , <b>2017</b> , 7, 9746	4.9	34
147	LESSONS LEARNED FROM LASER TISSUE SOLDERING AND FIBRIN GLUE PYELOPLASTY IN AN IN VIVO PORCINE MODEL. <i>Journal of Urology</i> , <b>2000</b> , 164, 1106-1110	2.5	34
146	Changes in optical properties of ex vivo rat prostate due to heating. <i>Physics in Medicine and Biology</i> , <b>2000</b> , 45, 1375-86	3.8	30
145	High-performance, robustly verified Monte Carlo simulation with FullMonte. <i>Journal of Biomedical Optics</i> , <b>2018</b> , 23, 1-11	3.5	30
144	Classification of breast tissue density by optical transillumination spectroscopy: optical and physiological effects governing predictive value. <i>Medical Physics</i> , <b>2004</b> , 31, 1398-414	4.4	29
143	Optical characteristics of the canine prostate at 665 nm sensitized with tin etiopurpurin dichloride: need for real-time monitoring of photodynamic therapy. <i>Journal of Urology</i> , <b>2004</b> , 172, 739-43	2.5	29
142	Pulsed holmium laser ablation of cardiac valves. <i>Lasers in Surgery and Medicine</i> , <b>1989</b> , 9, 458-64	3.6	29
141	Bioluminescence Imaging of the Response of Rat Gliosarcoma to ALA-PpIX-mediated Photodynamic Therapy. <i>Photochemistry and Photobiology</i> , <b>2004</b> , 80, 242	3.6	29
140	F2-laser patterning of indium tin oxide (ITO) thin film on glass substrate. <i>Applied Physics A: Materials Science and Processing</i> , <b>2006</b> , 85, 7-10	2.6	28
139	Light Dosimetry for Intraperitoneal Photodynamic Therapy in a Murine Xenograft Model of Human Epithelial Ovarian Carcinoma. <i>Photochemistry and Photobiology</i> , <b>1998</b> , 68, 281-288	3.6	27
138	Murine Model Imitating Chronic Wound Infections for Evaluation of Antimicrobial Photodynamic Therapy Efficacy. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 1258	5.7	27

137	Assessing breast tissue density by transillumination breast spectroscopy (TIBS): an intermediate indicator of cancer risk. <i>British Journal of Radiology</i> , <b>2007</b> , 80, 545-56	3.4	26
136	Modeling localized delivery of Doxorubicin to the brain following focused ultrasound enhanced blood-brain barrier permeability. <i>Physics in Medicine and Biology</i> , <b>2014</b> , 59, 5987-6004	3.8	25
135	Photodynamic therapy using Photofrin in combination with buthionine sulfoximine (BSO) to treat 9L gliosarcoma in rat brain. <i>Lasers in Surgery and Medicine</i> , <b>1998</b> , 23, 161-6	3.6	25
134	Association between transillumination breast spectroscopy and quantitative mammographic features of the breast. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2008</b> , 17, 1043-50	4	25
133	Photodynamic therapy of vertebral metastases: evaluating tumor-to-neural tissue uptake of BPD-MA and ALA-PpIX in a murine model of metastatic human breast carcinoma. <i>Photochemistry and Photobiology</i> , <b>2007</b> , 83, 1034-9	3.6	25
132	Pc 4 photodynamic therapy of U87-derived human glioma in the nude rat. <i>Lasers in Surgery and Medicine</i> , <b>2005</b> , 36, 383-9	3.6	25
131	Low-level laser therapy for wound healing: feasibility of wound dressing transillumination. <i>Photomedicine and Laser Surgery</i> , <b>2000</b> , 18, 235-40		25
130	Electrodes for microfluidic devices produced by laser induced forward transfer. <i>Applied Surface Science</i> , <b>2007</b> , 253, 8328-8333	6.7	24
129	Design and performance of thin cylindrical diffusers created in Ge-doped multimode optical fibers. <i>Applied Optics</i> , <b>2005</b> , 44, 2754-8	1.7	22
128	Temperature-dependent changes in the optical absorption and scattering spectra of tissues: correlation with ultrastructure <b>1993</b> ,		22
127	ALA-PpIX mediated photodynamic therapy of malignant gliomas augmented by hypothermia. <i>PLoS ONE</i> , <b>2017</b> , 12, e0181654	3.7	22
126	Hardware acceleration of a Monte Carlo simulation for photodynamic therapy [corrected] treatment planning. <i>Journal of Biomedical Optics</i> , <b>2009</b> , 14, 014019	3.5	21
125	Effects of low intensity laser irradiation during healing of skin lesions in the rat. <i>Lasers in Surgery and Medicine</i> , <b>2009</b> , 41, 372-81	3.6	21
124	Ablation and thermal effects in treatment of hard and soft materials and biotissues using ultrafast-laser pulse-train bursts. <i>Photonics &amp; Lasers in Medicine</i> , <b>2012</b> , 1,		21
123	Transperineal in vivo fluence-rate dosimetry in the canine prostate during SnET2-mediated PDT. <i>Physics in Medicine and Biology</i> , <b>2004</b> , 49, 3209-25	3.8	19
122	Treatment planning using tailored and standard cylindrical light diffusers for photodynamic therapy of the prostate. <i>Physics in Medicine and Biology</i> , <b>2008</b> , 53, 1131-49	3.8	18
121	A Review of Laser Technology and Light-Tissue Interactions as a Background to Therapeutic Applications of Low Intensity Lasers and Other Light Sources. <i>Physical Therapy Reviews</i> , <b>2003</b> , 8, 31-44	0.7	17
120	Thin cylindrical diffusers in multimode Ge-doped silica fibers. <i>Lasers in Surgery and Medicine</i> , <b>2005</b> , 36, 245-51	3.6	16

119	Optical transillumination spectroscopy to quantify parenchymal tissue density: an indicator for breast cancer risk. <i>British Journal of Radiology</i> , <b>2005</b> , 78, 1009-17	3.4	16
118	The LEGACY Girls Study: Growth and Development in the Context of Breast Cancer Family History. <i>Epidemiology</i> , <b>2016</b> , 27, 438-48	3.1	16
117	Skin color and tissue thickness effects on transmittance, reflectance, and skin temperature when using 635 and 808 nm lasers in low intensity therapeutics. <i>Lasers in Surgery and Medicine</i> , <b>2018</b> , 50, 291-301	3.6	16
116	Modulation of PPIX synthesis and accumulation in various normal and glioma cell lines by modification of the cellular signaling and temperature. <i>Lasers in Surgery and Medicine</i> , <b>2013</b> , 45, 460-8	3.6	15
115	Optical spectroscopy of the breast in premenopausal women reveals tissue variation with changes in age and parity. <i>Medical Physics</i> , <b>2010</b> , 37, 419-26	4.4	15
114	FullMonteCUDA: a fast, flexible, and accurate GPU-accelerated Monte Carlo simulator for light propagation in turbid media. <i>Biomedical Optics Express</i> , <b>2019</b> , 10, 4711-4726	3.5	15
113	Polyacrylamide gel substrates that simulate the mechanical stiffness of normal and malignant neuronal tissues increase protoporphyrin IX synthesis in glioma cells. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 098002	3.5	14
112	Automatic interstitial photodynamic therapy planning via convex optimization. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 898-920	3.5	14
111	Correlation of intracellular oxygen and cell metabolism by simultaneous PLIM of phosphorescent TLD1433 and FLIM of NAD(P)H. <i>Journal of Biophotonics</i> , <b>2018</b> , 11, e201800085	3.1	14
110	Effects of low intensity laser irradiation during healing of infected skin wounds in the rat. <i>Photonics &amp; Lasers in Medicine</i> , <b>2014</b> , 3, 23-36		14
109	PHOTOACTIVABLE FLUOROPHORES FOR THE MEASUREMENT OF FLUENCE IN TURBID MEDIA. <i>Photochemistry and Photobiology</i> , <b>1993</b> , 58, 37-44	3.6	14
108	Treatment plan evaluation for interstitial photodynamic therapy in a mouse model by Monte Carlo simulation with FullMonte. <i>Frontiers in Physics</i> , <b>2015</b> , 3,	3.9	13
107	Towards conformal light delivery using tailored cylindrical diffusers: attainable light dose distributions. <i>Physics in Medicine and Biology</i> , <b>2006</b> , 51, 5967-75	3.8	13
106	Metronomic photodynamic therapy (mPDT): concepts and technical feasibility in brain tumor <b>2003</b> ,		13
105	Photofrin photodynamic therapy for malignant brain tumors <b>2001</b> ,		13
104	A multi-wavelength, laser-based optical spectroscopy device for breast density and breast cancer risk pre-screening. <i>Journal of Biophotonics</i> , <b>2017</b> , 10, 565-576	3.1	12
103	Effective phthalocyanines mediated photodynamic therapy with doxorubicin or methotrexate combination therapy at sub-micromolar concentrations in vitro. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2018</b> , 22, 51-64	3.5	12
102	anticancer activities of against HeLa, MCF-7, RD, RG2, and INS-1 cancer cells and phytochemical analysis. <i>Integrative Medicine Research</i> , <b>2018</b> , 7, 184-191	2.7	12

101	Pulsetrain-burst mode, ultrafast-laser interactions with 3D viable cell cultures as a model for soft biological tissues. <i>Biomedical Optics Express</i> , <b>2013</b> , 5, 208-22	3.5	12
100	Optimizing interstitial photodynamic therapy with custom cylindrical diffusers. <i>Journal of Biophotonics</i> , <b>2019</b> , 12, e201800153	3.1	12
99	FullMonte: a framework for high-performance Monte Carlo simulation of light through turbid media with complex geometry <b>2013</b> ,		11
98	Estimation of mammographic density on an interval scale by transillumination breast spectroscopy. <i>Journal of Biomedical Optics</i> , <b>2008</b> , 13, 064030	3.5	11
97	The association between breast tissue optical content and mammographic density in pre- and post-menopausal women. <i>PLoS ONE</i> , <b>2015</b> , 10, e0115851	3.7	11
96	Photodynamic therapy in the treatment of intracranial gliomas: A review of current practice and considerations for future clinical directions. <i>Journal of Innovative Optical Health Sciences</i> , <b>2015</b> , 08, 1530005	1.2	10
95	Confocal fluorescence microscopy, microspectrofluorimetry, and modeling studies of laser-induced fluorescence endoscopy (LIFE) of human colon tissue <b>1997</b> , 2975, 98		10
94	Investigation of multilayered tissue with in vivo reflectance measurements <b>1995</b> , 2326, 212		10
93	Medical laser application: translation into the clinics. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 061110	3.5	9
92	GPU-accelerated Monte Carlo simulation for photodynamic therapy treatment planning <b>2009</b> ,		9
91	Metronomic Photodynamic Therapy as a New Paradigm for Photodynamic Therapy: Rationale and Preclinical Evaluation of Technical Feasibility for Treating Malignant Brain Tumors¶. <i>Photochemistry and Photobiology</i> , <b>2007</b> , 80, 22-30	3.6	9
90	Metronomic photodynamic therapy (mPDT) for intracranial neoplasm: physiological, biological, and dosimetry considerations <b>2003</b> ,		9
89	Low-intensity laser therapy efficacy evaluation in FVB mice subjected to acute and chronic arthritis. <i>Lasers in Medical Science</i> , <b>2017</b> , 32, 1269-1277	3.1	8
88	FPGA-based Monte Carlo Computation of Light Absorption for Photodynamic Cancer Therapy <b>2009</b> ,		8
87	Controlled electroporation of the plasma membrane in microfluidic devices for single cell analysis. <i>Biomicrofluidics</i> , <b>2012</b> , 6, 141111-1411110	3.2	8
86	A Ratiometric Fluorescence Imaging System for Surgical Guidance. <i>Advances in Optical Technologies</i> , <b>2008</b> , 2008, 1-10		8
85	Liposomal Lapatinib in Combination with Low-Dose Photodynamic Therapy for the Treatment of Glioma. <i>Journal of Clinical Medicine</i> , <b>2019</b> , 8,	5.1	8
84	Non-invasive optical spectroscopic monitoring of breast development during puberty. <i>Breast Cancer Research</i> , <b>2017</b> , 19, 12	8.3	7

83	Localized active-cladding optical fiber bend sensor. <i>Optical Engineering</i> , <b>2010</b> , 49, 064401	1.1	6
82	PDT-induced apoptosis: investigations using two malignant brain tumor models <b>2002</b> , 4612, 136		6
81	Accuracy of interstitial measurements of absolute light fluence rate in the determination of tissue optical properties <b>1993</b> ,		6
80	Minimal required PDT light dosimetry for nonmuscle invasive bladder cancer. <i>Journal of Biomedical Optics</i> , <b>2020</b> , 25, 1-13	3.5	6
79	Spatial distribution of liposome encapsulated tin etiopurpurin dichloride (SnET2) in the canine prostate: implications for computer simulation of photodynamic therapy. <i>International Journal of Molecular Medicine</i> , <b>2003</b> , 11, 287-91	4.4	6
78	Evaluation of a Ruthenium coordination complex as photosensitizer for PDT of bladder cancer: Cellular response, tissue selectivity and in vivo response. <i>Translational Biophotonics</i> , <b>2020</b> , 2, e201900032	2.2	5
77	Absolute calibration of optical power for PDT: report of AAPM TG140. <i>Medical Physics</i> , <b>2013</b> , 40, 081501	4.4	5
76	Advanced shape tracking to improve flexible endoscopic diagnostics <b>2008</b> ,		5
75	Light dosimetry for low-level laser therapy: accounting for differences in tissue and depth <b>2007</b> ,		5
74	Partial least squares based decomposition of five spectrally overlapping factors. <i>Applied Spectroscopy</i> , <b>2005</b> , 59, 1406-14	3.1	5
73	Fluorescence-guided resection of intracranial VX2 tumor in a preclinical model using 5-aminolevulinic acid (ALA): preliminary results <b>2003</b> ,		5
72	Fluorescent-tip optical fiber probe for quantitative light dosimetry in light scattering media and in tissue <b>1990</b> , 1203, 106		5
71	Using OpenCL to Enable Software-like Development of an FPGA-Accelerated Biophotonic Cancer Treatment Simulator <b>2020</b> ,		5
70	Fast, Power-Efficient Biophotonic Simulations for Cancer Treatment Using FPGAs <b>2014</b> ,		4
69	An observational study of personal ultraviolet dosimetry and acute diffuse reflectance skin changes at extreme altitude. <i>Wilderness and Environmental Medicine</i> , <b>2013</b> , 24, 390-6	1.4	4
68	Photodynamic-therapy-induced alterations of the blood-brain barrier transfer constant of a tracer molecule in normal brain <b>1997</b> ,		4
67	Real time light induced fluorescence endoscopy (life) in the gastrointestinal (GI) tract. <i>Gastrointestinal Endoscopy</i> , <b>1997</b> , 45, AB28	5.2	4
66	Development and characterization of multi-sensory fluence rate probes. <i>Physics in Medicine and Biology</i> , <b>2006</b> , 51, 1929-40	3.8	4



65	Light delivery and dosimetry for photodynamic therapy in an ovarian cancer mouse model <b>1994</b> , 2133, 150		4
64	Light propagation within N95 filtered face respirators: A simulation study for UVC decontamination. <i>Journal of Biophotonics</i> , <b>2020</b> , 13, e202000232	3.1	4
63	Optical assessment of mammographic breast density by a 12-wavelength vs a continuous-spectrum optical spectroscopy device. <i>Journal of Biophotonics</i> , <b>2018</b> , 11, e201700071	3.1	3
62	Dynamic absorption and scattering of water and hydrogel during high-repetition-rate (>100 MHz) burst-mode ultrafast-pulse laser ablation. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 2331-41	3.5	3
61	Low-intensity laser therapy efficacy evaluation in mice subjected to acute arthritis condition. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2017</b> , 174, 126-132	6.7	3
60	Preclinical studies of photodynamic therapy of intracranial tissues <b>1997</b> ,		3
59	Bioluminescence monitoring of photodynamic therapy response of rat gliosarcoma in vitro and in vivo <b>2003</b> ,		3
58	Classification of breast tissue density by optical transillumination spectroscopy: optical and physiological effects governing predictive value <b>2003</b> , 5260, 568		3
57	Optical micromanipulation and analysis of single cells on a microchip platform <b>2002</b> ,		3
56	Validation of self-reported skin color via analysis of diffuse reflectance spectra of skin <b>2000</b> ,		3
55	Photofrin mediated PDT in normal rat brain: assessment on apoptosis as a quantitative biological endpoint <b>2000</b> , 3909, 45		3
54	Nonthermal ureteral tissue bonding: comparison of photochemical collagen crosslinking with thermal laser bonding <b>1999</b> , 3590, 194		3
53	Tolerating uncertainty: photodynamic therapy planning with optical property variation <b>2019</b> ,		3
52	Light Dosimetry for Intraperitoneal Photodynamic Therapy in a Murine Xenograft Model of Human Epithelial Ovarian Carcinoma <b>1998</b> , 68, 281		3
51	Optimizing Interstitial Photodynamic Therapy Planning With Reinforcement Learning-Based Diffuser Placement. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2021</b> , 68, 1668-1679	5	3
50	Machine learning for real-time optical property recovery in interstitial photodynamic therapy: a stimulation-based study. <i>Biomedical Optics Express</i> , <b>2021</b> , 12, 5401-5422	3.5	3
49	A Phase 1b Clinical Study of Intravesical Photodynamic Therapy in Patients with Bacillus Calmette-Guérin Unresponsive Nonmuscle-invasive Bladder Cancer. <i>European Urology Open Science</i> , <b>2022</b> , 41, 105-111	0.9	3
48	Spatially resolved, diffuse reflectance imaging for subsurface pattern visualization toward development of a lensless imaging platform: phantom experiments. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 15004	3.5	2

47	Use of Ruthenium Complexes as Photosensitizers in Photodynamic Therapy <b>2017</b> , 117-137		2
46	Effects of heat transfer and energy absorption in the ablation of biological tissues by pulsetrain-burst (>100 MHz) ultrafast laser processing <b>2006</b> , 6343, 148		2
45	Single-cell analysis on a microchip platform using optical tweezers and optical scissors <b>2003</b> ,		2
44	Multisensory fiber optic probes for PDT dosimetry: construction, performance, and error analysis <b>2002</b> , 4612, 76		2
43	Clinical studies of photodynamic therapy for malignant brain tumors: Karnofsky score and neurological score in patients with recurrent gliomas treated with Photofrin PDT <b>2002</b> , 4612, 40		2
42	Noncontact point spectroscopy guided by two-channel fluorescence imaging in a hamster cheek pouch model <b>1999</b> ,		2
41	Fluorescence In Photodynamic Therapy Dosimetry <b>2003</b> ,		2
40	Photodynamic actinometry using microspheres: concept, development and responsivity. <i>Photochemistry and Photobiology</i> , <b>2004</b> , 79, 371-8	3.6	2
39	Determination of Optical Properties and Photodynamic Threshold of Lung Tissue for Treatment Planning of In Vivo Lung Perfusion Assisted Photodynamic Therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2021</b> , 35, 102353	3.5	2
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