

# Cristina Kurachi

## List of Publications by Year in descending order

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101  
papers

2,831  
citations

201674

27  
h-index

189892

50  
g-index

111  
all docs

111  
docs citations

111  
times ranked

3432  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photobiomodulation on the Angiogenesis of Skin Wounds in Rats Using Different Light Sources. <i>Photomedicine and Laser Surgery</i> , 2007, 25, 102-106.	2.0	202
2	Investigation of the Photodynamic Effects of Curcumin Against <i>Candida albicans</i> . <i>Photochemistry and Photobiology</i> , 2011, 87, 895-903.	2.5	188
3	Objective Detection and Delineation of Oral Neoplasia Using Autofluorescence Imaging. <i>Cancer Prevention Research</i> , 2009, 2, 423-431.	1.5	158
4	Hardness evaluation of a dental composite polymerized with experimental LED-based devices. <i>Dental Materials</i> , 2001, 17, 309-315.	3.5	157
5	Temperature Variation at Soft Periodontal and Rat Bone Tissues during a Medium-Power Diode Laser Exposure. <i>Photomedicine and Laser Surgery</i> , 2004, 22, 519-522.	2.0	148
6	Biostimulatory effect of low-level laser therapy on keratinocytes in vitro. <i>Lasers in Medical Science</i> , 2013, 28, 367-374.	2.1	121
7	Features of third generation photosensitizers used in anticancer photodynamic therapy: Review. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 34, 102091.	2.6	112
8	Noninvasive evaluation of oral lesions using depth-sensitive optical spectroscopy. <i>Cancer</i> , 2009, 115, 1669-1679.	4.1	102
9	Prevention of viral transmission during lung transplantation with hepatitis C-viraemic donors: an open-label, single-centre, pilot trial. <i>Lancet Respiratory Medicine</i> , 2020, 8, 192-201.	10.7	87
10	Inactivating hepatitis C virus in donor lungs using light therapies during normothermic ex vivo lung perfusion. <i>Nature Communications</i> , 2019, 10, 481.	12.8	86
11	Photobiological characteristics of chlorophyll a derivatives as microbial PDT agents. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 1137-1145.	2.9	61
12	Experience and BCC subtypes as determinants of MAL-PDT response: Preliminary results of a national Brazilian project. <i>Photodiagnosis and Photodynamic Therapy</i> , 2014, 11, 22-26.	2.6	56
13	Time-resolved fluorescence lifetime for cutaneous melanoma detection. <i>Biomedical Optics Express</i> , 2014, 5, 3080.	2.9	52
14	Pneumonia treatment by photodynamic therapy with extracorporeal illumination – an experimental model. <i>Physiological Reports</i> , 2017, 5, e13190.	1.7	42
15	In Vitro effect of low-level laser therapy on typical oral microbial biofilms. <i>Brazilian Dental Journal</i> , 2011, 22, 502-510.	1.1	39
16	Addition of Silver Nanoparticles to Composite Resin: Effect on Physical and Bactericidal Properties In Vitro. <i>Brazilian Dental Journal</i> , 2014, 25, 141-145.	1.1	39
17	Effects of Infrared-LED Illumination Applied During High-Intensity Treadmill Training in Postmenopausal Women. <i>Photomedicine and Laser Surgery</i> , 2011, 29, 639-645.	2.0	38
18	Photodiagnosis and treatment of condyloma acuminatum using 5-aminolevulinic acid and homemade devices. <i>Photodiagnosis and Photodynamic Therapy</i> , 2012, 9, 60-68.	2.6	38

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19	Fast elimination of onychomycosis by hematoporphyrin derivative-photodynamic therapy. Photodiagnosis and Photodynamic Therapy, 2013, 10, 328-330.	2.6	34
20	Time-resolved fluorescence spectroscopy for clinical diagnosis of actinic cheilitis. Biomedical Optics Express, 2016, 7, 4210.	2.9	34
21	Fluorescence spectroscopy in the visible range for the assessment of UVB radiation effects in hairless mice skin. Photodiagnosis and Photodynamic Therapy, 2017, 20, 21-27.	2.6	34
22	Optical clearing of melanoma <i>in vivo</i> : characterization by diffuse reflectance spectroscopy and optical coherence tomography. Journal of Biomedical Optics, 2016, 21, 081210.	2.6	33
23	Clinical Comparison of Two Photosensitizers for Oral Cavity Decontamination. Photomedicine and Laser Surgery, 2017, 35, 105-110.	2.0	33
24	Infrared LED irradiation applied during high-intensity treadmill training improves maximal exercise tolerance in postmenopausal women: a 6-month longitudinal study. Lasers in Medical Science, 2013, 28, 415-422.	2.1	32
25	In vitro evaluation of photodynamic therapy using curcumin on Leishmania major and Leishmania braziliensis. Lasers in Medical Science, 2016, 31, 883-890.	2.1	31
26	New treatment of cellulite with infrared-LED illumination applied during high-intensity treadmill training. Journal of Cosmetic and Laser Therapy, 2011, 13, 166-171.	0.9	29
27	Strategies to Improve the Antimicrobial Efficacy of Photodynamic, Sonodynamic, and Sonophotodynamic Therapies. Lasers in Surgery and Medicine, 2021, 53, 1113-1121.	2.1	29
28	Photodynamic Therapy in <i>Pythium insidiosum</i> – An In Vitro Study of the Correlation of Sensitizer Localization and Cell Death. PLoS ONE, 2014, 9, e85431.	2.5	29
29	Long Term Effectiveness of Photodynamic Therapy for CIN Treatment. Pharmaceuticals, 2019, 12, 107.	3.8	28
30	Evaluation of Fluorescence of Dental Composites Using Contrast Ratios to Adjacent Tooth Structure: A Pilot Study. Journal of Esthetic and Restorative Dentistry, 2007, 19, 199-206.	3.8	27
31	Analysis of surgical margins in oral cancer using in situ fluorescence spectroscopy. Oral Oncology, 2014, 50, 593-599.	1.5	26
32	Single visit PDT for basal cell carcinoma – A new therapeutic protocol. Photodiagnosis and Photodynamic Therapy, 2019, 26, 375-382.	2.6	24
33	Photolarvicidal effect of curcuminoids from <i>Curcuma longa</i> Linn. against <i>Aedes aegypti</i> larvae. Journal of Asia-Pacific Entomology, 2019, 22, 151-158.	0.9	23
34	Effects of excess body mass on strength and fatigability of quadriceps in postmenopausal women. Menopause, 2012, 19, 556-561.	2.0	22
35	Correlation between light transmission and permeability of human dentin. Lasers in Medical Science, 2012, 27, 191-196.	2.1	22
36	Fluorescence spectroscopy for the detection of potentially malignant disorders and squamous cell carcinoma of the oral cavity. Photodiagnosis and Photodynamic Therapy, 2014, 11, 82-90.	2.6	22

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37	Vascular Effects of Photodynamic Therapy with Curcumin in a Chorioallantoic Membrane Model. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1084.	4.1	22
38	Optimized Photodynamic Therapy with Systemic Photosensitizer Following Debulking Technique for Nonmelanoma Skin Cancers. <i>Dermatologic Surgery</i> , 2007, 33, 194-198.	0.8	21
39	Light-driven photosensitizer uptake increases <i>Candida albicans</i> photodynamic inactivation. <i>Journal of Biophotonics</i> , 2017, 10, 1538-1546.	2.3	21
40	Overall Results for a National Program of Photodynamic Therapy for Basal Cell Carcinoma: A Multicenter Clinical Study to Bring New Techniques to Social Health Care. <i>Cancer Control</i> , 2019, 26, 107327481985688.	1.8	21
41	Dual-Agent Photodynamic Therapy with Optical Clearing Eradicates Pigmented Melanoma in Preclinical Tumor Models. <i>Cancers</i> , 2020, 12, 1956.	3.7	21
42	Assessment of ALA-induced PpIX production in porcine skin pretreated with microneedles. <i>Journal of Biophotonics</i> , 2015, 8, 723-729.	2.3	20
43	Chlorin E6 phototoxicity in <i>L. major</i> and <i>L. braziliensis</i> promastigotes – In vitro study. <i>Photodiagnosis and Photodynamic Therapy</i> , 2016, 15, 19-24.	2.6	20
44	Multispectral autofluorescence dermoscope for skin lesion assessment. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 30, 101704.	2.6	19
45	Photodynamic therapy: Progress toward a scientific and clinical network in Latin America. <i>Photodiagnosis and Photodynamic Therapy</i> , 2016, 13, 261-266.	2.6	18
46	Thermography Applied During Exercises With or Without Infrared Light-Emitting Diode Irradiation: Individual and Comparative Analysis. <i>Photomedicine and Laser Surgery</i> , 2013, 31, 349-355.	2.0	17
47	Portable fluorescence lifetime spectroscopy system for in-situ interrogation of biological tissues. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	2.6	17
48	Fluorescence spectroscopy to diagnose hepatic steatosis in a rat model of fatty liver. <i>Liver International</i> , 2009, 29, 331-336.	3.9	16
49	Histopathology and laser autofluorescence of ischemic kidneys of rats. <i>Lasers in Medical Science</i> , 2009, 24, 397-404.	2.1	14
50	Determination of post-mortem interval using in situ tissue optical fluorescence. <i>Optics Express</i> , 2009, 17, 8185.	3.4	14
51	Necrosis response to photodynamic therapy using light pulses in the femtosecond regime. <i>Lasers in Medical Science</i> , 2013, 28, 1177-1182.	2.1	14
52	Interstitial PDT using diffuser fiber – investigation in phantom and in vivo models. <i>Lasers in Medical Science</i> , 2017, 32, 1009-1016.	2.1	14
53	Development and comparison of two devices for treatment of onychomycosis by photodynamic therapy. <i>Journal of Biomedical Optics</i> , 2015, 20, 061109.	2.6	13
54	Chemiluminescence as a PDT light source for microbial control. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011, 103, 87-92.	3.8	12

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55	Photodynamic therapy dosimetry using multiexcitation multiemission wavelength: toward real-time prediction of treatment outcome. <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	2.6	12
56	Photodynamic therapy with a new bacteriochlorin derivative: Characterization and in vitro studies. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 34, 102251.	2.6	11
57	Enhanced response of the fricke solution doped with hematoporphyrin under X-rays irradiation. <i>Brazilian Archives of Biology and Technology</i> , 2008, 51, 271-279.	0.5	10
58	Photodynamic therapy for pythiosis. <i>Veterinary Dermatology</i> , 2013, 24, 130.	1.2	10
59	Fluorescence evaluations for porphyrin formation during topical PDT using ALA and methyl-ALA mixtures in pig skin models. <i>Photodiagnosis and Photodynamic Therapy</i> , 2016, 15, 236-244.	2.6	10
60	Photodynamic inactivation for in vitro decontamination of <i>Staphylococcus aureus</i> in whole blood. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 28, 58-64.	2.6	10
61	Fluorescence spectroscopy for the detection of tongue carcinoma validation in an animal model. <i>Journal of Biomedical Optics</i> , 2008, 13, 034018.	2.6	9
62	Determination of the threshold dose distribution in photodynamic action from in vitro experiments. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 162, 168-175.	3.8	9
63	Discrimination of benign versus malignant skin lesions by thermographic images using support vector machine classifier. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	9
64	Safety and delivery efficiency of a photodynamic treatment of the lungs using indocyanine green and extracorporeal near infrared illumination. <i>Journal of Biophotonics</i> , 2020, 13, e202000176.	2.3	9
65	Environmental safety and mode of action of a novel curcumin-based photolarvicide. <i>Environmental Science and Pollution Research</i> , 2020, 27, 29204-29217.	5.3	9
66	Epigallocatechin Gallate Enhances MAL-PDT Cytotoxic Effect on PDT-Resistant Skin Cancer Squamous Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3327.	4.1	9
67	Development of a system to treat and online monitor photodynamic therapy of skin cancer using PpIX near-infrared fluorescence. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 30, 101680.	2.6	9
68	Non-homogeneous liver distribution of photosensitizer and its consequence for photodynamic therapy outcome. <i>Photodiagnosis and Photodynamic Therapy</i> , 2010, 7, 189-200.	2.6	8
69	Evidence of 5-aminolevulinic acid (ALA) penetration increase due to microdrilling in soft tissue using femtosecond laser ablation. <i>Lasers in Medical Science</i> , 2012, 27, 1067-1071.	2.1	8
70	Fluorescence analysis of a tumor model in the chorioallantoic membrane used for the evaluation of different photosensitizers for photodynamic therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017, 19, 78-83.	2.6	8
71	Effects of phototherapy plus physical training on metabolic profile and quality of life in postmenopausal women. <i>Journal of Cosmetic and Laser Therapy</i> , 2017, 19, 364-372.	0.9	8
72	Fluorescence spectroscopy as a tool to in vivo discrimination of distinctive skin disorders. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017, 19, 45-50.	2.6	7

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73	Femtosecond laser ablation profile near an interface: Analysis based on the correlation with superficial properties of individual materials. <i>Applied Surface Science</i> , 2011, 257, 2419-2422.	6.1	6
74	Fluorescence spectroscopy as a tool to detect and evaluate glucocorticoid-induced skin atrophy. <i>Lasers in Medical Science</i> , 2012, 27, 1059-1065.	2.1	6
75	Optical clearing agent increases effectiveness of photodynamic therapy in a mouse model of cutaneous melanoma: an analysis by Raman microspectroscopy. <i>Biomedical Optics Express</i> , 2020, 11, 6516.	2.9	6
76	Effect of laser on the remnant liver after the first 24 hours following 70% hepatectomy in rats. <i>Acta Cirurgica Brasileira</i> , 2011, 26, 470-474.	0.7	6
77	Effects of methylene blue and curcumin photosensitizers on the color stability of endodontically treated intraradicular dentin. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 37, 102650.	2.6	6
78	A Multicenter Clinical Study of Expected and Unexpected Side Reactions During and After Skin Cancer Treatment by Photodynamic Therapy. <i>Skinmed</i> , 2017, 15, 113-118.	0.0	6
79	Lung surfactant negatively affects the photodynamic inactivation of bacteria in vitro and molecular dynamic simulation analyses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	6
80	New perspectives for optical techniques in diagnostic and treatment of hepatic diseases. <i>Acta Cirurgica Brasileira</i> , 2010, 25, 214-216.	0.7	5
81	Impact of fat distribution on metabolic, cardiovascular and symptomatic aspects in postmenopausal women. <i>International Journal of Diabetes in Developing Countries</i> , 2014, 34, 32-39.	0.8	4
82	Possibility for the Conjugated Use of Photodynamic Therapy and Electrosurgical Devices. <i>PLoS ONE</i> , 2015, 10, e0136194.	2.5	4
83	Photostimulation effects on chicken egg development: Perspectives on human newborn treatment. <i>Journal of Biophotonics</i> , 2018, 11, e201700046.	2.3	4
84	Energy analysis of PDT using thermography during the treatment of basal cell carcinoma. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 29, 101586.	2.6	4
85	Raman Microspectroscopy as a Tool to Elucidate the Efficacy of Topical Formulations Containing Curcumin. <i>Pharmaceuticals</i> , 2019, 12, 44.	3.8	3
86	Acceleration of newborn rats development with the use of photobiomodulation and the near possibility of application in human premature babies. <i>Journal of Biophotonics</i> , 2019, 12, e201800461.	2.3	3
87	Discrimination of cancerous from benign pigmented skin lesions based on multispectral autofluorescence lifetime imaging dermoscopy and machine learning. <i>Journal of Biomedical Optics</i> , 2022, 27, .	2.6	3
88	Evaluation of photodynamic effects of curcumin against the dengue vector "Aedes aegypti (Diptera: Tj ETQq0 Q,0 rgBT /Qverlock 10	2.6	2
89	Photodegradation in the infrared region of indocyanine green in aqueous solution. , 2019, , .		2
90	Evaluation of curcumin incubation time in <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> Photodynamic Inactivation. , 2021, , .		2

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91	Photodynamic inactivation of <i>S. pneumoniae</i> with external illumination at 808 nm through the ex vivo porcine thoracic cage. <i>Journal of Biophotonics</i> , 2021, , e202100189.	2.3	2
92	A new photodynamic therapy protocol for nodular basal cell carcinoma treatment: Effectiveness and long-term follow-up. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 37, 102668.	2.6	2
93	Kidney decontamination during perfusion for transplantation procedure: In vitro and ex vivo viability analysis. <i>Journal of Biophotonics</i> , 2022, 15, .	2.3	2
94	Polymerization of a dual-cured cement through ceramic: LED curing light vs halogen lamp. <i>Journal of Applied Oral Science</i> , 2004, 12, 312-316.	1.8	1
95	Clinical And Histopathological Outcomes of One Session of Photodynamic Therapy For Actinic Cheilitis. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2014, 117, e201.	0.4	1
96	Portable widefield imaging device for ICG-detection of the sentinel lymph node. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
97	Sclerodermiform BCC treated with multiple PDT sessions. <i>Photodiagnosis and Photodynamic Therapy</i> , 2016, 14, 91-92.	2.6	1
98	The use of light-emitting diode imaging as exclusion criterion for melanoma diagnosis. <i>Journal of the American Academy of Dermatology</i> , 2019, 80, e49-e50.	1.2	0
99	Using ultraviolet light for reduction of <i>Staphylococcus aureus</i> in preservation solutions for transplantation - an in vitro study. , 2019, , .		0
100	Effects of infrared radiation and exercise on bone mass: implications for the prevention and management of osteoporosis. <i>Research on Biomedical Engineering</i> , 2020, 36, 49-57.	2.2	0
101	A single session of antimicrobial photodynamic therapy does not influence the alveolar repair process in rats. <i>Brazilian Oral Research</i> , 2022, 36, e024.	1.4	0