

# Ethan P Larochele

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

468  
citations

933447

10  
h-index

752698

20  
g-index

32  
all docs

32  
docs citations

32  
times ranked

628  
citing authors

#	ARTICLE	IF	CITATIONS
1	The microcirculation image quality score: Development and preliminary evaluation of a proposed approach to grading quality of image acquisition for bedside videomicroscopy. <i>Journal of Critical Care</i> , 2013, 28, 913-917.	2.2	150
2	Maps of in vivo oxygen pressure with submillimetre resolution and nanomolar sensitivity enabled by Cherenkov-excited luminescence scanned imaging. <i>Nature Biomedical Engineering</i> , 2018, 2, 254-264.	22.5	55
3	Tissue pO <sub>2</sub> distributions in xenograft tumors dynamically imaged by Cherenkov-excited phosphorescence during fractionated radiation therapy. <i>Nature Communications</i> , 2020, 11, 573.	12.8	45
4	Application of Fluorescence-Guided Surgery to Subsurface Cancers Requiring Wide Local Excision. <i>Cancer Control</i> , 2018, 25, 107327481775233.	1.8	32
5	Experimentally Observed Cherenkov Light Generation in the Eye During Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 106, 422-429.	0.8	31
6	Indocyanine green matching phantom for fluorescence-guided surgery imaging system characterization and performance assessment. <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	2.6	31
7	Modeling PpIX effective light fluence at depths into the skin for PDT dose comparison. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 25, 425-435.	2.6	19
8	Comparison of Blue and White Lamp Light with Sunlight for Daylight-Mediated, 5-ALA-Photodynamic Therapy, <i>in vivo</i> . <i>Photochemistry and Photobiology</i> , 2018, 94, 1049-1057.	2.5	18
9	Signal intensity analysis and optimization for in vivo imaging of Cherenkov and excited luminescence. <i>Physics in Medicine and Biology</i> , 2018, 63, 085019.	3.0	12
10	Assessing daylight & low-dose rate photodynamic therapy efficacy, using biomarkers of photophysical, biochemical and biological damage metrics in situ. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017, 20, 227-233.	2.6	11
11	Rural distribution of human papilloma virus in low- and middle-income countries. <i>Experimental and Molecular Pathology</i> , 2018, 104, 146-150.	2.1	8
12	Weather-informed Light-tissue Model-Based Dose Planning for Indoor Daylight Photodynamic Therapy. <i>Photochemistry and Photobiology</i> , 2020, 96, 320-326.	2.5	8
13	Probe-based fluorescence dosimetry of an antibody-dye conjugate to identify head and neck cancer as a first step to fluorescence-guided tissue preselection for pathological assessment. <i>Head and Neck</i> , 2020, 42, 59-66.	2.0	7
14	Tracking tumor radiotherapy response <i>in vivo</i> with Cherenkov-excited luminescence ink imaging. <i>Physics in Medicine and Biology</i> , 2020, 65, 095004.	3.0	7
15	Implementation of Multicolor Melt Curve Analysis for High-Risk Human Papilloma Virus Detection in Low- and Middle-Income Countries: A Pilot Study for Expanded Cervical Cancer Screening in Honduras. <i>Journal of Global Oncology</i> , 2018, 4, 1-8.	0.5	6
16	Comparison of phosphorescent agents for noninvasive sensing of tumor oxygenation via Cherenkov-excited luminescence imaging. <i>Journal of Biomedical Optics</i> , 2019, 24, 1.	2.6	6
17	Smartphone-based fluorescence imager for PpIX-based PDT treatment planning: System design and initial results. , 2019, , .		5
18	Imaging luminescent tattoo inks for direct visualization of linac and cobalt irradiation. <i>Medical Physics</i> , 2020, 47, 1807-1812.	3.0	4

#	ARTICLE	IF	CITATIONS
19	Feasibility of Brigade-Style, Multiphasic Cancer Screening in Rural Honduras. JCO Global Oncology, 2020, 6, 453-461.	1.8	3
20	Reducing dermal exposure to agrochemical carcinogens using a fluorescent dye-based intervention among subsistence farmers in rural Honduras. International Journal of Hygiene and Environmental Health, 2021, 234, 113734.	4.3	3
21	Where there is no Internet: Experiences from rural Honduras 2013â€“2015: Phase I implementation. , 2015, , .		2
22	In vivo wide-field multispectral dosimeter for use in ALA-PpIX based photodynamic therapy of skin. , 2017, , .		2
23	Theoretical lateral and axial sensitivity limits and choices of molecular reporters for Cherenkov-excited luminescence in tissue during x-ray beam scanning. Journal of Biomedical Optics, 2020, 25, .	2.6	2
24	Global verification of a model for determining daylight photodynamic therapy dose. Photodiagnosis and Photodynamic Therapy, 2021, 34, 102260.	2.6	1
25	Multi-spectral wide-field imaging for PpIX PDT dosimetry of skin (Conference Presentation). , 2016, , .		0
26	Engineering Consideration for Emerging Essential Nucleic Acid Tests for Point-of-Care Diagnostics. Advances in Molecular Pathology, 2021, 4, 81-91.	0.4	0
27	A comparison of low fluence-rate light sources for ALA-PpIX based photodynamic therapy of skin (Conference Presentation). , 2018, , .		0
28	Single photon detection imaging of Cherenkov light emitted during radiation therapy. , 2018, , .		0
29	Evaluating the efficacy of continuous, low irradiance photodynamic therapy in vivo: artificial light versus natural sunlight (Conference Presentation). , 2018, , .		0
30	High-Risk HPV Genotypes Identified in Northern Honduras: Evidence for Prevention. Journal of Global Oncology, 2018, 4, 211s-211s.	0.5	0
31	An Organized Approach to Multi-Organ Screening in Rural Honduras. Journal of Global Oncology, 2018, 4, 48s-48s.	0.5	0
32	Reducing Dermal Exposure to Agrochemical Carcinogens Using a Fluorescent Dye-Based Intervention Among Subsistence Farmers in Rural Honduras. Journal of Global Oncology, 2018, 4, 10s-10s.	0.5	0