Ethan P Larochelle

List of Publications by Year
in descending order

32	468	933447 10	752698 20
papers	citations	h-index	g-index

32	32	32	628
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Global verification of a model for determining daylight photodynamic therapy dose. Photodiagnosis and Photodynamic Therapy, 2021, 34, 102260.	2.6	1
3	Engineering Consideration for Emerging Essential Nucleic Acid Tests for Point-of-Care Diagnostics. Advances in Molecular Pathology, 2021, 4, 81-91.	0.4	0
4	Probeâ€based fluorescence dosimetry of an antibodyâ€dye conjugate to identify head and neck cancer as a first step to fluorescenceâ€guided tissue preselection for pathological assessment. Head and Neck, 2020, 42, 59-66.	2.0	7
5	Weatherâ€informed Lightâ€“tissue Modelâ€“Based Dose Planning for Indoor Daylight Photodynamic Therapy. Photochemistry and Photobiology, 2020, 96, 320-326.	2.5	8
6	Experimentally Observed Cherenkov Light Generation in the Eye During Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2020, 106, 422-429.	0.8	31
7	Feasibility of Brigade-Style, Multiphasic Cancer Screening in Rural Honduras. JCO Global Oncology, 2020, 6, 453-461.	1.8	3
8	Tracking tumor radiotherapy response in vivo with Cherenkov-excited luminescence ink imaging. Physics in Medicine and Biology, 2020, 65, 095004.	3.0	7
9	Imaging luminescent tattoo inks for direct visualization of linac and cobalt irradiation. Medical Physics, 2020, 47, 1807-1812.	3.0	4
10	Tissue pO2 distributions in xenograft tumors dynamically imaged by Cherenkov-excited phosphorescence during fractionated radiation therapy. Nature Communications, 2020, 11, 573.	12.8	45
11	Indocyanine green matching phantom for fluorescence-guided surgery imaging system characterization and performance assessment. Journal of Biomedical Optics, 2020, 25, 1.	2.6	31
12	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
13	Modeling PpIX effective light fluence at depths into the skin for PDT dose comparison. Photodiagnosis and Photodynamic Therapy, 2019, 25, 425-435.	2.6	19
14	Comparison of phosphorescent agents for noninvasive sensing of tumor oxygenation via Cherenkov-excited luminescence imaging. Journal of Biomedical Optics, 2019, 24, 1.	2.6	6
15	Smartphone-based fluorescence imager for PpIX-based PDT treatment planning: System design and initial results. , 2019, , .		5
16	Comparison of Blue and White Lamp Light with Sunlight for Daylightâ€Mediated, 5â€<scp>ALA</scp> Photodynamic Therapy, in vivo. Photochemistry and Photobiology, 2018, 94, 1049-1057.	2.5	18
17	Maps of in vivo oxygen pressure with submillimetre resolution and nanomolar sensitivity enabled by Cherenkov-excited luminescence scanned imaging. Nature Biomedical Engineering, 2018, 2, 254-264.	22.5	55
18	Application of Fluorescence-Guided Surgery to Subsurface Cancers Requiring Wide Local Excision. Cancer Control, 2018, 25, 107327481775233.	1.8	32

#	Article	IF	Citations
19	Signal intensity analysis and optimization for in vivo imaging of Cherenkov and excited luminescence. Physics in Medicine and Biology, 2018, 63, 085019.	3.0	12
20	Rural distribution of human papilloma virus in low- and middle-income countries. Experimental and Molecular Pathology, 2018, 104, 146-150.	2.1	8
21	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. Journal of Global Oncology, 2018, 4, 1-8.	0.5	6
22	A comparison of low fluence-rate light sources for ALA-PpIX based photodynamic therapy of skin (Conference Presentation). , 2018, , .		0
23	Single photon detection imaging of Cherenkov light emitted during radiation therapy. , 2018, , .		0
24	Evaluating the efficacy of continuous, low irradiance photodynamic therapy in vivo: artificial light versus natural sunlight (Conference Presentation). , 2018, , .		0
25	High-Risk HPV Genotypes Identified in Northern Honduras: Evidence for Prevention. Journal of Global Oncology, 2018, 4, 211s-211s.	0.5	0
26	An Organized Approach to Multi-Organ Screening in Rural Honduras. Journal of Global Oncology, 2018, 4, 48s-48s.	0.5	0
27	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
28	In vivo wide-field multispectral dosimeter for use in ALA-PpIX based photodynamic therapy of skin. , 2017, , .		2
29	Assessing daylight & low-dose rate photodynamic therapy efficacy, using biomarkers of photophysical, biochemical and biological damage metrics in situ. Photodiagnosis and Photodynamic Therapy, 2017, 20, 227-233.	2.6	11
30	Multi-spectral wide-field imaging for PpIX PDT dosimetry of skin (Conference Presentation). , 2016, , .		0
31	Where there is no Internet: Experiences from rural Honduras 2013â€“2015: Phase I implementation. , 2015, , .		2
32	The microcirculation image quality score: Development and preliminary evaluation of a proposed approach to grading quality of image acquisition for bedside videomicroscopy. Journal of Critical Care, 2013, 28, 913-917.	2.2	150