Yi Hong Ong

List of Publications by Year
in descending order

43 papers	463 citations	759233 12 h-index	713466 21 g-index
44 all docs	44 docs citations	44 times ranked	536 citing authors

#	Article	IF	Citations
1	Validation of multispectral singlet oxygen luminescence dosimetry (MSOLD) for photofrin-mediated photodynamic therapy. , 2022, 11940, .		0
2	Monte Carlo simulation of Cerenkov imaging for total skin electron treatment with CT DICOM realistic patient geometry. , 2022, 11940, .		0
3	Reactive oxygen species explicit dosimetry (ROSED) for fractionated photofrin-mediated photodynamic therapy (PDT). , 2022, 11940, .		1
4	Real-time PDT dose dosimetry for pleural photodynamic therapy. , 2022, 11940, .		5
5	Determination of the distribution of drug concentration and tissue optical properties for ALA-mediated photodynamic therapy. , 2021, 11628, .		0
6	A comparison of two probes to determine rectum optical properties. , 2021, 11628, .		0
7	Monte Carlo (MC) study of dose distribution and Cherenkov imaging in total skin electron therapy (TSET) with TOPAS. , 2021, 11628, .		1
8	Estimation of fluorescence probing depth dependence on the distance between source and detector using Monte Carlo modeling. , 2021, 11628, .		1
9	Cherenkov imaging for total skin electron therapy: an evaluation of dose uniformity. , 2021, 11628, .		2
10	Evaluation of Light Fluence Distribution Using an IR Navigation System for HPPHâ€mediated Pleural Photodynamic Therapy (pPDT). Photochemistry and Photobiology, 2020, 96, 310-319.	2.5	16
11	Reactive Oxygen Species Explicit Dosimetry for Photofrinâ€mediated Pleural Photodynamic Therapy. Photochemistry and Photobiology, 2020, 96, 340-348.	2.5	15
12	Blood Flow Measurements Enable Optimization of Light Delivery for Personalized Photodynamic Therapy. Cancers, 2020, 12, 1584.	3.7	8
13	Infrared navigation system for light dosimetry during pleural photodynamic therapy. Physics in Medicine and Biology, 2020, 65, 075006.	3.0	16
14	Light Fluence Rate and Tissue Oxygenation (S_tO₂) Distributions Within the Thoracic Cavity of Patients Receiving Intraoperative Photodynamic Therapy for Malignant Pleural Mesothelioma. Photochemistry and Photobiology, 2020, 96, 417-425.	2.5	5
15	Reactive oxygen species explicit dosimetry to predict tumor growth for benzoporphyrin derivative-mediated vascular photodynamic therapy. Journal of Biomedical Optics, 2020, 25, 1.	2.6	6
16	Reactive oxygen species explicit dosimetry to predict local tumor growth for Photofrin-mediated photodynamic therapy. Biomedical Optics Express, 2020, 11, 4586.	2.9	10
17	Reactive oxygen species explicit dosimetry to predict local tumor control for Photofrin-mediated photodynamic therapy. , 2019, 10860, .		6
18	Validation of tissue optical properties measurement using diffuse reflectance spectroscopy (DRS). , 2019, 10860, .		5

#	Article	IF	Citations
19	Monte Carlo investigation of the effect of skin tissue optical properties on detected Cherenkov emission. , 2019, 10862, .		2
20	Reactive oxygen species explicit dosimetry to predict tumor growth for BPD-mediated vascular photodynamic therapy. , 2019, 10861, .		0
21	PDT dose dosimetry for Photofrin-mediated pleural photodynamic therapy (pPDT). Physics in Medicine and Biology, 2018, 63, 015031.	3.0	31
22	A quality assurance program for clinical PDT. , 2018, 10476, .		1
23	Reactive oxygen species explicit dosimetry (ROSED) of a type 1 photosensitizer. , 2018, 10476, .		2
24	Monte Carlo modeling of fluorescence in semi-infinite turbid media. , 2018, 10492, .		2
25	Determination of optical properties, drug concentration, and tissue oxygenation in human pleural tissue before and after Photofrin-mediated photodynamic therapy. , 2018, 10476, .		0
26	Singlet oxygen explicit dosimetry to predict long-term local tumor control for Photofrin-mediated photodynamic therapy. Proceedings of SPIE, 2017, , .	0.8	1
27	Singlet oxygen explicit dosimetry to predict long-term local tumor control for BPD-mediated photodynamic therapy. Proceedings of SPIE, 2017, , .	0.8	2
28	Monitoring and assessment of tumor hemodynamics during pleural PDT. Proceedings of SPIE, 2017, , .	0.8	1
29	Singlet oxygen explicit dosimetry to predict local tumor control for HPPH-mediated photodynamic therapy. Proceedings of SPIE, 2017, , .	0.8	1
30	Analytic function for predicting light fluence rate of circular fields on a semi-infinite turbid medium. Optics Express, 2016, 24, 26261.	3.4	25
31	Snapshot depth sensitive Raman spectroscopy in layered tissues. Optics Express, 2016, 24, 28312.	3.4	13
32	Fast wide-field Raman spectroscopic imaging based on simultaneous multi-channel image acquisition and Wiener estimation. Optics Letters, 2016, 41, 2783.	3.3	18
33	A Method to Create a Universal Calibration Dataset for Raman Reconstruction Based on Wiener Estimation. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 164-170.	2.9	6
34	Optimization of advanced Wiener estimation methods for Raman reconstruction from narrow-band measurements in the presence of fluorescence background. Biomedical Optics Express, 2015, 6, 2633.	2.9	18
35	Fast photoacoustic-guided depth-resolved Raman spectroscopy: a feasibility study. Optics Letters, 2015, 40, 3568.	3.3	23
36	Phantom validation of Monte Carlo modeling for noncontact depth sensitive fluorescence measurements in an epithelial tissue model. Journal of Biomedical Optics, 2014, 19, 085006.	2.6	7

#	Article	IF	Citations
37	Multifocal noncontact color imaging for depth-sensitive fluorescence measurements of epithelial cancer. Optics Letters, 2014, 39, 3250.	3.3	5
38	Fast reconstruction of Raman spectra from narrowâ€band measurements based on Wiener estimation. Journal of Raman Spectroscopy, 2013, 44, 875-881.	2.5	25
39	Axicon lens-based cone shell configuration for depth-sensitive fluorescence measurements in turbid media. Optics Letters, 2013, 38, 2647.	3.3	21
40	Fast depth-sensitive fluorescence measurements in turbid media using cone shell configuration. Journal of Biomedical Optics, 2013, 18, 110503.	2.6	8
41	Comparison of principal component analysis and biochemical component analysis in Raman spectroscopy for the discrimination of apoptosis and necrosis in K562 leukemia cells. Optics Express, 2012, 20, 22158.	3.4	127
42	Comparison of principal component analysis and biochemical component analysis in Raman spectroscopy for the discrimination of apoptosis and necrosis in K562 leukemia cells: errata. Optics Express, 2012, 20, 25041.	3.4	16
43	Fast reconstruction of Raman spectra from narrow-band measurements based on Wiener estimation. , 2012, , .		0