

# Yi Hong Ong

## List of Publications by Year in descending order

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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	Comparison of principal component analysis and biochemical component analysis in Raman spectroscopy for the discrimination of apoptosis and necrosis in K562 leukemia cells. <i>Optics Express</i> , 2012, 20, 22158.	3.4	127
2	PDT dose dosimetry for Photofrin-mediated pleural photodynamic therapy (pPDT). <i>Physics in Medicine and Biology</i> , 2018, 63, 015031.	3.0	31
3	Fast reconstruction of Raman spectra from narrow-band measurements based on Wiener estimation. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 875-881.	2.5	25
4	Analytic function for predicting light fluence rate of circular fields on a semi-infinite turbid medium. <i>Optics Express</i> , 2016, 24, 26261.	3.4	25
5	Fast photoacoustic-guided depth-resolved Raman spectroscopy: a feasibility study. <i>Optics Letters</i> , 2015, 40, 3568.	3.3	23
6	Axicon lens-based cone shell configuration for depth-sensitive fluorescence measurements in turbid media. <i>Optics Letters</i> , 2013, 38, 2647.	3.3	21
7	Optimization of advanced Wiener estimation methods for Raman reconstruction from narrow-band measurements in the presence of fluorescence background. <i>Biomedical Optics Express</i> , 2015, 6, 2633.	2.9	18
8	Fast wide-field Raman spectroscopic imaging based on simultaneous multi-channel image acquisition and Wiener estimation. <i>Optics Letters</i> , 2016, 41, 2783.	3.3	18
9	Comparison of principal component analysis and biochemical component analysis in Raman spectroscopy for the discrimination of apoptosis and necrosis in K562 leukemia cells: errata. <i>Optics Express</i> , 2012, 20, 25041.	3.4	16
10	Evaluation of Light Fluence Distribution Using an IR Navigation System for HPPA-mediated Pleural Photodynamic Therapy (pPDT). <i>Photochemistry and Photobiology</i> , 2020, 96, 310-319.	2.5	16
11	Infrared navigation system for light dosimetry during pleural photodynamic therapy. <i>Physics in Medicine and Biology</i> , 2020, 65, 075006.	3.0	16
12	Reactive Oxygen Species Explicit Dosimetry for Photofrin-mediated Pleural Photodynamic Therapy. <i>Photochemistry and Photobiology</i> , 2020, 96, 340-348.	2.5	15
13	Snapshot depth sensitive Raman spectroscopy in layered tissues. <i>Optics Express</i> , 2016, 24, 28312.	3.4	13
14	Reactive oxygen species explicit dosimetry to predict local tumor growth for Photofrin-mediated photodynamic therapy. <i>Biomedical Optics Express</i> , 2020, 11, 4586.	2.9	10
15	Fast depth-sensitive fluorescence measurements in turbid media using cone shell configuration. <i>Journal of Biomedical Optics</i> , 2013, 18, 110503.	2.6	8
16	Blood Flow Measurements Enable Optimization of Light Delivery for Personalized Photodynamic Therapy. <i>Cancers</i> , 2020, 12, 1584.	3.7	8
17	Phantom validation of Monte Carlo modeling for noncontact depth sensitive fluorescence measurements in an epithelial tissue model. <i>Journal of Biomedical Optics</i> , 2014, 19, 085006.	2.6	7
18	A Method to Create a Universal Calibration Dataset for Raman Reconstruction Based on Wiener Estimation. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 164-170.	2.9	6

#	ARTICLE	IF	CITATIONS
19	Reactive oxygen species explicit dosimetry to predict local tumor control for Photofrin-mediated photodynamic therapy. , 2019, 10860, .		6
20	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
21	Multifocal noncontact color imaging for depth-sensitive fluorescence measurements of epithelial cancer. Optics Letters, 2014, 39, 3250.	3.3	5
22	Light Fluence Rate and Tissue Oxygenation ( $S_{tO_2}$ ) 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
23	Validation of tissue optical properties measurement using diffuse reflectance spectroscopy (DRS). , 2019, 10860, .		5
24	Real-time PDT dose dosimetry for pleural photodynamic therapy. , 2022, 11940, .		5
25	Singlet oxygen explicit dosimetry to predict long-term local tumor control for BPD-mediated photodynamic therapy. Proceedings of SPIE, 2017, , .	0.8	2
26	Cherenkov imaging for total skin electron therapy: an evaluation of dose uniformity. , 2021, 11628, .		2
27	Reactive oxygen species explicit dosimetry (ROSED) of a type 1 photosensitizer. , 2018, 10476, .		2
28	Monte Carlo modeling of fluorescence in semi-infinite turbid media. , 2018, 10492, .		2
29	Monte Carlo investigation of the effect of skin tissue optical properties on detected Cherenkov emission. , 2019, 10862, .		2
30	Singlet oxygen explicit dosimetry to predict long-term local tumor control for Photofrin-mediated photodynamic therapy. Proceedings of SPIE, 2017, , .	0.8	1
31	Monte Carlo (MC) study of dose distribution and Cherenkov imaging in total skin electron therapy (TSET) with TOPAS. , 2021, 11628, .		1
32	Estimation of fluorescence probing depth dependence on the distance between source and detector using Monte Carlo modeling. , 2021, 11628, .		1
33	Monitoring and assessment of tumor hemodynamics during pleural PDT. Proceedings of SPIE, 2017, , .	0.8	1
34	A quality assurance program for clinical PDT. , 2018, 10476, .		1
35	Singlet oxygen explicit dosimetry to predict local tumor control for HPPH-mediated photodynamic therapy. Proceedings of SPIE, 2017, , .	0.8	1
36	Reactive oxygen species explicit dosimetry (ROSED) for fractionated photofrin-mediated photodynamic therapy (PDT). , 2022, 11940, .		1

#	ARTICLE	IF	CITATIONS
37	Fast reconstruction of Raman spectra from narrow-band measurements based on Wiener estimation. , 2012, , .		0
38	Determination of the distribution of drug concentration and tissue optical properties for ALA-mediated photodynamic therapy. , 2021, 11628, .		0
39	A comparison of two probes to determine rectum optical properties. , 2021, 11628, .		0
40	Determination of optical properties, drug concentration, and tissue oxygenation in human pleural tissue before and after Photofrin-mediated photodynamic therapy. , 2018, 10476, .		0
41	Reactive oxygen species explicit dosimetry to predict tumor growth for BPD-mediated vascular photodynamic therapy. , 2019, 10861, .		0
42	Validation of multispectral singlet oxygen luminescence dosimetry (MSOLD) for photofrin-mediated photodynamic therapy. , 2022, 11940, .		0
43	Monte Carlo simulation of Cerenkov imaging for total skin electron treatment with CT DICOM realistic patient geometry. , 2022, 11940, .		0