

Timothy C Zhu

List of Publications by Year in descending order

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240
papers

5,775
citations

66315

42
h-index

98753

67
g-index

245
all docs

245
docs citations

245
times ranked

3664
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 Cherenkov 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	Report of AAPM Task Group 219 on independent calculation-based dose/MU verification for IMRT. Medical Physics, 2021, 48, e808-e829.	1.6	50
11	Cherenkov imaging for total skin electron therapy (TSET). Medical Physics, 2020, 47, 201-212.	1.6	22
12	Evaluation of Light Fluence Distribution Using an IR Navigation System for HPPH-mediated Pleural Photodynamic Therapy (pPDT). Photochemistry and Photobiology, 2020, 96, 310-319.	1.3	16
13	Reactive Oxygen Species Explicit Dosimetry for Photofrin-mediated Pleural Photodynamic Therapy. Photochemistry and Photobiology, 2020, 96, 340-348.	1.3	15
14	$\langle O_2 \rangle$ determined from the measured PDT dose and $\langle O_2 \rangle$ predicts long-term response to Photofrin-mediated PDT. Physics in Medicine and Biology, 2020, 65, 03LT01.	1.6	6
15	In Memoriam Jarod C. Finlay, PhD. Photochemistry and Photobiology, 2020, 96, 218-218.	1.3	0
16	In vivo Spectroscopic Evaluation of the Intraperitoneal Cavity in Canines. Photochemistry and Photobiology, 2020, 96, 426-433.	1.3	3
17	Blood Flow Measurements Enable Optimization of Light Delivery for Personalized Photodynamic Therapy. Cancers, 2020, 12, 1584.	1.7	8
18	Infrared navigation system for light dosimetry during pleural photodynamic therapy. Physics in Medicine and Biology, 2020, 65, 075006.	1.6	16

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19	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.	1.3	5
20	Reactive oxygen species explicit dosimetry to predict tumor growth for benzoporphyrin derivative-mediated vascular photodynamic therapy. Journal of Biomedical Optics, 2020, 25, 1.	1.4	6
21	Reactive oxygen species explicit dosimetry to predict local tumor growth for Photofrin-mediated photodynamic therapy. Biomedical Optics Express, 2020, 11, 4586.	1.5	10
22	Special Section Guest Editorial: Photodynamic Therapy. Journal of Biomedical Optics, 2020, 25, 1.	1.4	0
23	Computer animation body surface analysis of total skin electron radiation therapy dose homogeneity via Cherenkov imaging. Journal of Medical Imaging, 2020, 7, 1.	0.8	4
24	Cherenkov imaging of total skin electron irradiation (TSEI). Journal of Physics: Conference Series, 2019, 1305, 012016.	0.3	1
25	Reactive oxygen species explicit dosimetry to predict local tumor control for Photofrin-mediated photodynamic therapy. , 2019, 10860, .		6
26	Important Technical Considerations for Implementing the ASTRO/ASCO/AUA Prostate Cancer Hypofractionated Radiation Guideline. Practical Radiation Oncology, 2019, 9, 197-199.	1.1	2
27	A Novel Prospective Study Assessing the Combination of Photodynamic Therapy and Proton Radiation Therapy: Safety and Outcomes When Treating Malignant Pleural Mesothelioma. Photochemistry and Photobiology, 2019, 95, 411-418.	1.3	19
28	Validation of combined Monte Carlo and photokinetic simulations for the outcome correlation analysis of benzoporphyrin derivative-mediated photodynamic therapy on mice. Journal of Biomedical Optics, 2019, 24, 1.	1.4	11
29	Validation of tissue optical properties measurement using diffuse reflectance spectroscopy (DRS). , 2019, 10860, .		5
30	Analysis of cumulative surface dose based on Cherenkov imaging of Total Skin Electron Therapy (TSET). , 2019, , .		0
31	Monte Carlo investigation of the effect of skin tissue optical properties on detected Cherenkov emission. , 2019, 10862, .		2
32	Reactive oxygen species explicit dosimetry to predict tumor growth for BPD-mediated vascular photodynamic therapy. , 2019, 10861, .		0
33	Determination of in-vivo tissue optical properties for anal photodynamic therapy. , 2019, , .		0
34	Image guidance doses delivered during radiotherapy: Quantification, management, and reduction: Report of the <sc>AAPM</sc> Therapy Physics Committee Task Group 180. Medical Physics, 2018, 45, e84-e99.	1.6	104
35	Fluorescence-guided surgery and intervention – An <sc>AAPM</sc> emerging technology blue paper. Medical Physics, 2018, 45, 2681-2688.	1.6	29
36	Lesion oxygenation associates with clinical outcomes in premalignant and early stage head and neck tumors treated on a phase 1 trial of photodynamic therapy. Photodiagnosis and Photodynamic Therapy, 2018, 21, 28-35.	1.3	30

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37	PDT dose dosimetry for Photofrin-mediated pleural photodynamic therapy (pPDT). <i>Physics in Medicine and Biology</i> , 2018, 63, 015031.	1.6	31
38	A quality assurance program for clinical PDT. , 2018, 10476, .		1
39	Reactive oxygen species explicit dosimetry (ROSED) of a type 1 photosensitizer. , 2018, 10476, .		2
40	Monte Carlo modeling of fluorescence in semi-infinite turbid media. , 2018, 10492, .		2
41	Cherenkov imaging for Total Skin Electron Therapy (TSET). , 2018, , .		5
42	Light fluence dosimetry in lung-simulating cavities. , 2018, 10476, .		1
43	Determination of optical properties, drug concentration, and tissue oxygenation in human pleural tissue before and after Photofrin-mediated photodynamic therapy. , 2018, 10476, .		0
44	A Comparison of Dose Metrics to Predict Local Tumor Control for Photofrin-mediated Photodynamic Therapy. <i>Photochemistry and Photobiology</i> , 2017, 93, 1115-1122.	1.3	22
45	Evaluation of singlet oxygen explicit dosimetry for predicting treatment outcomes of benzoporphyrin derivative monoacid ring A-mediated photodynamic therapy. <i>Journal of Biomedical Optics</i> , 2017, 22, 028002.	1.4	25
46	On the <i>in vivo</i> photochemical rate parameters for PDT reactive oxygen species modeling. <i>Physics in Medicine and Biology</i> , 2017, 62, R1-R48.	1.6	68
47	Four-channel PDT dose dosimetry for pleural photodynamic therapy. , 2017, , .		2
48	Singlet oxygen explicit dosimetry to predict long-term local tumor control for Photofrin-mediated photodynamic therapy. <i>Proceedings of SPIE</i> , 2017, , .	0.8	1
49	Three-dimensional finite-element based deformable image registration for evaluation of pleural cavity irradiation during photodynamic therapy. <i>Medical Physics</i> , 2017, 44, 3767-3775.	1.6	1
50	Singlet oxygen explicit dosimetry to predict long-term local tumor control for BPD-mediated photodynamic therapy. <i>Proceedings of SPIE</i> , 2017, , .	0.8	2
51	Oxygen measurements to improve singlet oxygen dosimetry. , 2017, , .		0
52	Patterns of Dose Prescription and Recording in Stereotactic Body Radiation Therapy: A Multi-institutional Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, S68-S69.	0.4	0
53	³¹ P NMR Evidence for Peroxide Intermediates in Lipid Emulsion Photooxidations: Phosphine Substituent Effects in Trapping. <i>Photochemistry and Photobiology</i> , 2017, 93, 1430-1438.	1.3	3
54	A summary of light dose distribution using an IR navigation system for Photofrin-mediated Pleural PDT. <i>Proceedings of SPIE</i> , 2017, 10047, .	0.8	6

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55	State of dose prescription and compliance to international standard (ICRU-83) in intensity modulated radiation therapy among academic institutions. <i>Practical Radiation Oncology</i> , 2017, 7, e145-e155.	1.1	38
56	A compact fiber-optic probe-based singlet oxygen luminescence detection system. <i>Journal of Biophotonics</i> , 2017, 10, 320-326.	1.1	22
57	Monitoring and assessment of tumor hemodynamics during pleural PDT. <i>Proceedings of SPIE</i> , 2017, , .	0.8	1
58	21 Spectroscopic imaging in prostate PDT. <i>Series in Cellular and Clinical Imaging</i> , 2017, , 419-454.	0.2	0
59	Singlet oxygen explicit dosimetry to predict local tumor control for HPPH-mediated photodynamic therapy. <i>Proceedings of SPIE</i> , 2017, , .	0.8	1
60	A Comparison of Singlet Oxygen Explicit Dosimetry (SOED) and Singlet Oxygen Luminescence Dosimetry (SOLD) for Photofrin-Mediated Photodynamic Therapy. <i>Cancers</i> , 2016, 8, 109.	1.7	23
61	Analytic function for predicting light fluence rate of circular fields on a semi-infinite turbid medium. <i>Optics Express</i> , 2016, 24, 26261.	1.7	25
62	Evaluation of the 2-(1-hexyloxyethyl)-2-devinyl pyropheophorbide (HPPH) mediated photodynamic therapy by macroscopic singlet oxygen modeling. <i>Journal of Biophotonics</i> , 2016, 9, 1344-1354.	1.1	24
63	Proton computed tomography using a 1D silicon diode array. <i>Medical Physics</i> , 2016, 43, 5758-5766.	1.6	3
64	Explicit macroscopic singlet oxygen modeling for benzoporphyrin derivative monoacid ring A (BPD)-mediated photodynamic therapy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 164, 314-322.	1.7	17
65	Macroscopic singlet oxygen modeling for dosimetry of Photofrin-mediated photodynamic therapy: an <i>in-vivo</i> study. <i>Journal of Biomedical Optics</i> , 2016, 21, 088002.	1.4	41
66	PDT dose dosimeter for pleural photodynamic therapy. <i>Proceedings of SPIE</i> , 2016, 9694, 96940Y.	0.8	15
67	Determination of the low concentration correction in the macroscopic singlet oxygen model for PDT. , 2016, 9694, 96940D.		1
68	Investigating the impact of oxygen concentration and blood flow variation on photodynamic therapy. <i>Proceedings of SPIE</i> , 2016, 9694, .	0.8	8
69	Dosimetry study of PHOTOFRIN-mediated photodynamic therapy in a mouse tumor model. <i>Proceedings of SPIE</i> , 2016, 9694, .	0.8	10
70	An improved analytic function for predicting light fluence rate in circular fields on a semi-infinite geometry. <i>Proceedings of SPIE</i> , 2016, 9706, 97061D.	0.8	5
71	A feasibility study of singlet oxygen explicit dosimetry (SOED) of PDT by intercomparison with a singlet oxygen luminescence dosimetry (SOLD) system. , 2016, 9694, .		4
72	Toxicities and early outcomes in a phase 1 trial of photodynamic therapy for premalignant and early stage head and neck tumors. <i>Oral Oncology</i> , 2016, 55, 37-42.	0.8	27

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73	Deformable medical image registration of pleural cavity for photodynamic therapy by using finite-element based method. , 2016, 9701, 970106.		3
74	Fiber optic probes based on silver-only coated hollow glass waveguides for ionizing beam radiation dosimetry. Proceedings of SPIE, 2016, , .	0.8	4
75	Measuring the Physiologic Properties of Oral Lesions Receiving Fractionated Photodynamic Therapy. Photochemistry and Photobiology, 2015, 91, 1210-1218.	1.3	18
76	An IR navigation system for pleural PDT. Frontiers in Physics, 2015, 3, .	1.0	18
77	Study of tissue oxygen supply rate in a macroscopic photodynamic therapy singlet oxygen model. Journal of Biomedical Optics, 2015, 20, 038001.	1.4	44
78	Parameterization of electron beam output factor. Physica Medica, 2015, 31, 420-424.	0.4	4
79	In-vivo singlet oxygen threshold doses for PDT. Photonics & Lasers in Medicine, 2015, 4, 59-71.	0.3	44
80	In-vivo outcome study of HPPH mediated PDT using singlet oxygen explicit dosimetry (SOED). , 2015, 9308, .		9
81	<i>In vivo</i> outcome study of BPD-mediated PDT using a macroscopic singlet oxygen model. Proceedings of SPIE, 2015, 9308, .	0.8	12
82	Real-time treatment light dose guidance of Pleural PDT: an update. Proceedings of SPIE, 2015, 9308, .	0.8	9
83	Dose Prescription and Recording Variability in the Era of ICRU-83: A Multi-institutional Study. International Journal of Radiation Oncology Biology Physics, 2015, 93, S42-S43.	0.4	0
84	Macroscopic singlet oxygen model incorporating photobleaching as an input parameter. , 2015, 9308, 93080V.		5
85	Explicit dosimetry for 2-(1-hexyloxyethyl)-2-devinyl pyropheophorbide-a-mediated photodynamic therapy: macroscopic singlet oxygen modeling. Journal of Biomedical Optics, 2015, 20, 128003.	1.4	38
86	Phosphor-based fiber optic microprobes for ionizing beam radiation dosimetry. Proceedings of SPIE, 2015, , .	0.8	6
87	Clinical decision tool for optimal delivery of liver stereotactic body radiation therapy: Photons versus protons. Practical Radiation Oncology, 2015, 5, 209-218.	1.1	53
88	TIMP1 in conditioned media of human adipose stromal cells protects neurons against oxygen-glucose deprivation injury. Neuroscience Letters, 2015, 584, 56-59.	1.0	10
89	Diffuse optical tomography using multichannel robotic platform for interstitial PDT. Proceedings of SPIE, 2014, 8931, .	0.8	0
90	Comparison of singlet oxygen threshold dose for PDT. Proceedings of SPIE, 2014, 8931, .	0.8	19

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91	Anisotropic modeling for IR navigation-based PDT dosimetry. , 2014, 8931, .		1
92	Determination of tissue optical properties in PDT treated head and neck patients. Proceedings of SPIE, 2014, 8926, .	0.8	6
93	Parameter determination for BPD mediated vascularPDT. Proceedings of SPIE, 2014, 8931, .	0.8	5
94	Bengt E. BjÅrngard, Ph.D.. Medical Physics, 2014, 41, 040801.	1.6	0
95	Comparison of PDT parameters for RIF and H460 tumor models during HPPH-mediated PDT. Proceedings of SPIE, 2014, 8931, .	0.8	12
96	Development and validation of a treatment decision model for optimal delivery of liver stereotactic body radiation therapy (SBRT): Photons versus protons.. Journal of Clinical Oncology, 2014, 32, 264-264.	0.8	0
97	SU-E-T-577: Commissioning of a Deterministic Algorithm for External Photon Beams. Medical Physics, 2014, 41, 360-360.	1.6	0
98	SU-D-16A-07: Photobleaching Predicts Necrosis in Interstitial PDT. Medical Physics, 2014, 41, 109-109.	1.6	0
99	Should image rotation be addressed during routine cone-beam CT quality assurance?. Physics in Medicine and Biology, 2013, 58, 1059-1073.	1.6	3
100	A novel near real-time laser scanning device for geometrical determination of pleural cavity surface. , 2013, 8568, .		0
101	A robotic multi-channel platform for interstitial photodynamic therapy. Proceedings of SPIE, 2013, 8568, 85680Q.	0.8	2
102	Monte Carlo simulation of light fluence calculation during pleural PDT. , 2013, 8568, .		3
103	PDT dose dosimetry for pleural photodynamic therapy. Proceedings of SPIE, 2013, 8568, .	0.8	12
104	Parameter determination for singlet oxygen modeling of BPD-mediated PDT. Proceedings of SPIE, 2013, 8568, .	0.8	11
105	Real-time treatment feedback guidance of Pleural PDT. , 2013, 8568, .		8
106	A theoretical and experimental examination of fluorescence in enclosed cavities. Proceedings of SPIE, 2013, 8568, .	0.8	3
107	Light dosimetry and dose verification for pleural PDT. Proceedings of SPIE, 2013, 8568, .	0.8	0
108	A theoretical comparison of macroscopic and microscopic modeling of singlet oxygen during Photofrin and HPPH mediated-PDT. Proceedings of SPIE, 2013, 8568, .	0.8	6

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109	Feasibility of interstitial diffuse optical tomography using cylindrical diffusing fibers for prostate PDT. <i>Physics in Medicine and Biology</i> , 2013, 58, 3461-3480.	1.6	14
110	Absolute calibration of optical power for PDT: Report of AAPM TG140. <i>Medical Physics</i> , 2013, 40, 081501.	1.6	7
111	Determination of optical properties in heterogeneous turbid media using a cylindrical diffusing fiber. <i>Physics in Medicine and Biology</i> , 2012, 57, 6025-6046.	1.6	15
112	Characterization of tissue optical properties for prostate PDT using interstitial diffuse optical tomography. , 2012, 8210, .		4
113	Light dose verification for pleural PDT. , 2012, 8210, .		1
114	A real-time treatment guidance system for pleural PDT. <i>Proceedings of SPIE</i> , 2012, 8210, .	0.8	5
115	Maximizing fluence rate and field uniformity of light blanket for intraoperative PDT. <i>Proceedings of SPIE</i> , 2012, 8210, .	0.8	4
116	Direct and Inverse Solutions for Thermal- and Stress-Transients and the Analytical Determination of Boundary Conditions Using Remote Temperature or Strain Data. <i>Journal of Pressure Vessel Technology</i> , <i>Transactions of the ASME</i> , 2012, 134, .	0.4	0
117	Singlet oxygen dosimetry modeling for photodynamic therapy. <i>Proceedings of SPIE</i> , 2012, 8210, .	0.8	13
118	Dosimetry in Pleural Photodynamic Therapy. <i>Journal of the National Comprehensive Cancer Network: JNCCN</i> , 2012, 10, S-60-S-64.	2.3	8
119	Oxidative Stress and Photodynamic Therapy for Prostate Cancer. , 2012, , 277-300.		0
120	Verification of monitor unit calculations for non- α -MRT clinical radiotherapy: Report of AAPM Task Group 114. <i>Medical Physics</i> , 2011, 38, 504-530.	1.6	88
121	Transoral robotic photodynamic therapy for the oropharynx. <i>Photodiagnosis and Photodynamic Therapy</i> , 2011, 8, 64-67.	1.3	15
122	Photodynamic therapy in the management of pre-malignant head and neck mucosal dysplasia and microinvasive carcinoma. <i>Photodiagnosis and Photodynamic Therapy</i> , 2011, 8, 75-85.	1.3	29
123	A study of light fluence rate distribution for PDT using MC simulation. , 2011, , .		1
124	Determining how uncertainties in optical properties affect light dose calculations for PDT. , 2011, , .		0
125	PDT is better than alternative therapies such as brachytherapy, electron beams, or low-energy x rays for the treatment of skin cancers. <i>Medical Physics</i> , 2011, 38, 1133-1135.	1.6	5
126	A review of <i>in vivo</i> optical properties of human tissues and its impact on PDT. <i>Journal of Biophotonics</i> , 2011, 4, 773-787.	1.1	261

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127	An IR navigation system for real-time treatment guidance of pleural PDT. Proceedings of SPIE, 2011, 7886, .	0.8	11
128	Backscatter correction factor for megavoltage photon beam. Medical Physics, 2011, 38, 5563-5568.	1.6	5
129	SU-E-T-218: In Vivo 3D Dose Verification for IMRT Using Electronic Portal Imaging Device (EPID). Medical Physics, 2011, 38, 3536-3536.	1.6	0
130	Monte Carlo simulation of the effect of miniphantom on in-air output ratio. Medical Physics, 2010, 37, 5228-5237.	1.6	3
131	Explicit dosimetry for photodynamic therapy: macroscopic singlet oxygen modeling. Journal of Biophotonics, 2010, 3, 304-318.	1.1	111
132	Dosimetric Evaluation of a Volume Segmentation Algorithm for MRI-based Treatment Planning for Head and Neck Cancer. International Journal of Radiation Oncology Biology Physics, 2010, 78, S70.	0.4	3
133	Small Field: dosimetry in electron disequilibrium region. Journal of Physics: Conference Series, 2010, 250, 012056.	0.3	6
134	Modeling scatter-to-primary dose ratio for megavoltage photon beams. Medical Physics, 2010, 37, 5270-5278.	1.6	9
135	Pre-clinic study of uniformity of light blanket for intraoperative photodynamic therapy. , 2010, 7551, .		7
136	A fast heterogeneous algorithm for light fluence rate for prostate photodynamic therapy. Proceedings of SPIE, 2010, 7551, .	0.8	2
137	In vivo light dosimetry for HPPH-mediated pleural PDT. Proceedings of SPIE, 2010, 7551, .	0.8	9
138	Spectroscopic evaluation of photodynamic therapy of the intraperitoneal cavity. , 2010, 7551, .		1
139	A heterogeneous optimization algorithm for reacted singlet oxygen for interstitial PDT. , 2010, 7551, .		2
140	A treatment planning system for pleural PDT. Proceedings of SPIE, 2010, 7551, .	0.8	5
141	Targeted laryngeal photodynamic therapy with a balloon diffusing light source. Photodiagnosis and Photodynamic Therapy, 2010, 7, 158-161.	1.3	13
142	Interference with the Jaffr� method for creatinine following 5-aminolevulinic acid administration. Photodiagnosis and Photodynamic Therapy, 2010, 7, 268-274.	1.3	7
143	Reconstruction of optical properties using a diffusion model for interstitial diffuse optical tomography. Proceedings of SPIE, 2009, 7164, 71640P.	0.8	2
144	Reconstruction of hemodynamics and sensitizer distributions during interstitial PDT using spectroscopy with linear light sources. Proceedings of SPIE, 2009, 7380, .	0.8	1

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145	The design of a robotic multichannel platform for photodynamic therapy. Proceedings of SPIE, 2009, 7380, 738049.	0.8	3
146	Optimization of physiological parameter for macroscopic modeling of reacted singlet oxygen concentration in an in-vivo model. Proceedings of SPIE, 2009, 7164, 716400.	0.8	9
147	In vivo light dosimetry for pleural PDT. , 2009, 7164, .		16
148	A light blanket for intraoperative photodynamic therapy. Proceedings of SPIE, 2009, 7380, 73801W.	0.8	13
149	A heterogeneous algorithm for PDT dose optimization for prostate. , 2009, 7164, 71640B.		3
150	Dosimetric Implications of Pancreatic Tumor Motion when Treating with Intensity Modulated Radiation Therapy (IMRT). International Journal of Radiation Oncology Biology Physics, 2009, 75, S668-S669.	0.4	0
151	Reconstruction of in-vivo optical properties for human prostate using interstitial diffuse optical tomography. Optics Express, 2009, 17, 11665.	1.7	36
152	Fluence rate-dependent intratumor heterogeneity in physiologic and cytotoxic responses to Photofrin photodynamic therapy. Photochemical and Photobiological Sciences, 2009, 8, 1683-1693.	1.6	59
153	Diffuse reflectance spectra measured in vivo in human tissues during Photofrin-mediated pleural photodynamic therapy: updated results. Proceedings of SPIE, 2009, , .	0.8	1
154	Determination of correction factors for a 2D diode array device in MV photon beams. Medical Physics, 2009, 36, 523-529.	1.6	6
155	Report of AAPM Therapy Physics Committee Task Group 74: In-air output ratio, , for megavoltage photon beams. Medical Physics, 2009, 36, 5261-5291.	1.6	77
156	Accelerator beam data commissioning equipment and procedures: Report of the TG-106 of the Therapy Physics Committee of the AAPM. Medical Physics, 2008, 35, 4186-4215.	1.6	370
157	Integrated light dosimetry system for prostate photodynamic therapy. Proceedings of SPIE, 2008, 6845, .	0.8	3
158	Sensitivity analysis of imaging geometries for prostate diffuse optical tomography. Proceedings of SPIE, 2008, 6845, .	0.8	2
159	Interstitial diffuse optical tomography using an adjoint model with linear sources. , 2008, 6845, .		5
160	Optimization of light source parameters in the photodynamic therapy of heterogeneous prostate. Physics in Medicine and Biology, 2008, 53, 4107-4121.	1.6	27
161	Motexafin Lutetium-Photodynamic Therapy of Prostate Cancer: Short- and Long-Term Effects on Prostate-Specific Antigen. Clinical Cancer Research, 2008, 14, 4869-4876.	3.2	109
162	Determination of in vivo light fluence distribution in a heterogeneous prostate during photodynamic therapy. Physics in Medicine and Biology, 2008, 53, 2103-2114.	1.6	39

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163	The role of photodynamic therapy (PDT) physics. <i>Medical Physics</i> , 2008, 35, 3127-3136.	1.6	179
164	Patient-Specific Dosimetry for Photodynamic Therapy. <i>Lecture Notes in Electrical Engineering</i> , 2008, , 115-125.	0.3	0
165	A method to improve reconstruction of the distribution of hemoglobin, oxygenation, and MLu concentration in the human prostate before and after photodynamic therapy. , 2007, 6427, 64270K.		0
166	Two-dimensional/three-dimensional hybrid interstitial diffuse optical tomography of human prostate during photodynamic therapy: phantom and clinical results. , 2007, 6434, .		2
167	Macroscopic modeling of the singlet oxygen production during PDT. , 2007, 6427, 642708.		37
168	Quantitative comparison of tissue oxygen and motexafin lutetium uptake by ex vivo and noninvasive in vivo techniques in patients with intraperitoneal carcinomatosis. <i>Journal of Biomedical Optics</i> , 2007, 12, 034023.	1.4	15
169	Energy dependence of commercially available diode detectors for in-vivo dosimetry. <i>Medical Physics</i> , 2007, 34, 1704-1711.	1.6	49
170	Modeling light fluence rate distribution in optically heterogeneous prostate photodynamic therapy using a kernel method. , 2007, 6427, .		2
171	SUâ€Factorâ€1.2: A Fluenceâ€Based Algorithm for MU Calculation of Proton Beams. <i>Medical Physics</i> , 2007, 34, 2403-2403.	1.6	0
172	Prostate PDT dosimetry. <i>Photodiagnosis and Photodynamic Therapy</i> , 2006, 3, 234-246.	1.3	52
173	Photodynamic Therapy with Motexafin Lutetium for Rectal Cancer: A Preclinical Model in the Dog. <i>Journal of Surgical Research</i> , 2006, 135, 323-330.	0.8	21
174	Interstitial Fluorescence Spectroscopy in the Human Prostate During Motexafin Lutetiumâ€Mediated Photodynamic Therapy. <i>Photochemistry and Photobiology</i> , 2006, 82, 1270.	1.3	64
175	Real-time In Situ Monitoring of Human Prostate Photodynamic Therapy with Diffuse Light. <i>Photochemistry and Photobiology</i> , 2006, 82, 1279.	1.3	102
176	Preliminary results of interstitial motexafin lutetium-mediated PDT for prostate cancer. <i>Lasers in Surgery and Medicine</i> , 2006, 38, 427-434.	1.1	100
177	Study of light fluence rate distribution in photodynamic therapy using finite-element method. , 2006, 6139, 127.		10
178	In-vivo light dosimetry of interstitial PDT of human prostate. , 2006, 6139, 116.		7
179	Measurement of in-air output ratios using different miniphantom materials. <i>Physics in Medicine and Biology</i> , 2006, 51, 3819-3834.	1.6	9
180	A Phase II Trial of Intraperitoneal Photodynamic Therapy for Patients with Peritoneal Carcinomatosis and Sarcomatosis. <i>Clinical Cancer Research</i> , 2006, 12, 2517-2525.	3.2	102

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181	Diffuse reflectance spectra measured in vivo in human tissues during Photofrin-mediated pleural photodynamic therapy. , 2006, 6139, .		15
182	A macro-Monte Carlo method for the simulation of diffuse light transport in tissue. , 2006, 6139, .		1
183	Updated Results of a Phase I Trial of Motexafin Lutetium-Mediated Interstitial Photodynamic Therapy in Patients with Locally Recurrent Prostate Cancer. Journal of Environmental Pathology, Toxicology and Oncology, 2006, 25, 373-388.	0.6	78
184	Detector calibration factor for interstitial in vivo light dosimetry using isotropic detectors with scattering tip. , 2005, 5689, .		9
185	Determination of the distribution of light, optical properties, drug concentration, and tissue oxygenation in-vivo in human prostate during motexafin lutetium-mediated photodynamic therapy. Journal of Photochemistry and Photobiology B: Biology, 2005, 79, 231-241.	1.7	187
186	A method for determination of the absorption and scattering properties interstitially in turbid media. Physics in Medicine and Biology, 2005, 50, 2291-2311.	1.6	94
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