Timothy C Zhu

List of Publications by Year
in descending order

240 papers	5,775 citations	66343 42 h-index	98798 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 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	Report of AAPM Task Group 219 on independent calculationâ€based dose/MU verification for IMRT. Medical Physics, 2021, 48, e808-e829.	3.0	50
11	Cherenkov imaging for total skin electron therapy (TSET). Medical Physics, 2020, 47, 201-212.	3.0	22
12	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
13	Reactive Oxygen Species Explicit Dosimetry for Photofrinâ€mediated Pleural Photodynamic Therapy. Photochemistry and Photobiology, 2020, 96, 340-348.	2.5	15
14	¹O₂ determined from the measured PDT dose and ³O₂ predicts long-term response to Photofrin-mediated PDT. Physics in Medicine and Biology, 2020, 65, 03LT01.	3.0	6
15	In Memoriam Jarod C. Finlay, PhD. Photochemistry and Photobiology, 2020, 96, 218-218.	2.5	0
16	In vivo Spectroscopic Evaluation of the Intraperitoneal Cavity in Canines. Photochemistry and Photobiology, 2020, 96, 426-433.	2.5	3
17	Blood Flow Measurements Enable Optimization of Light Delivery for Personalized Photodynamic Therapy. Cancers, 2020, 12, 1584.	3.7	8
18	Infrared navigation system for light dosimetry during pleural photodynamic therapy. Physics in Medicine and Biology, 2020, 65, 075006.	3.0	16

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19	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
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	Reactive oxygen species explicit dosimetry to predict local tumor growth for Photofrin-mediated photodynamic therapy. Biomedical Optics Express, 2020, 11, 4586.	2.9	10
22	Special Section Guest Editorial: Photodynamic Therapy. Journal of Biomedical Optics, 2020, 25, 1.	2.6	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.	1.5	4
24	Cherenkov imaging of total skin electron irradiation (TSEI). Journal of Physics: Conference Series, 2019, 1305, 012016.	0.4	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.	2.1	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.	2.5	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.	2.6	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 <scp>AAPM</scp> Therapy Physics Committee Task Group 180. Medical Physics, 2018, 45, e84-e99.	3.0	104
35	Fluorescenceâ€guided surgery and intervention â€" An <scp>AAPM</scp> emerging technology blue paper. Medical Physics, 2018, 45, 2681-2688.	3.0	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.	2.6	30

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37	PDT dose dosimetry for Photofrin-mediated pleural photodynamic therapy (pPDT). Physics in Medicine and Biology, 2018, 63, 015031.	3.0	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 Photofrinâ€mediated Photodynamic Therapy. Photochemistry and Photobiology, 2017, 93, 1115-1122.	2.5	22
45	Evaluation of singlet oxygen explicit dosimetry for predicting treatment outcomes of benzoporphyrin derivative monoacid ring A-mediated photodynamic therapy. Journal of Biomedical Optics, 2017, 22, 028002.	2.6	25
46	On thein vivophotochemical rate parameters for PDT reactive oxygen species modeling. Physics in Medicine and Biology, 2017, 62, R1-R48.	3.0	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. Proceedings of SPIE, 2017, , .	0.8	1
49	Three-dimensional finite-element based deformable image registration for evaluation of pleural cavity irradiation during photodynamic therapy. Medical Physics, 2017, 44, 3767-3775.	3.0	1
50	Singlet oxygen explicit dosimetry to predict long-term local tumor control for BPD-mediated photodynamic therapy. Proceedings of SPIE, 2017, , .	0.8	2
51	Oxygen measurements to improve singlet oxygen dosimetry. , 2017, , .		0
52	Patterns of Dose Prescription and Recording inÂStereotactic Body Radiation Therapy: AÂMulti-institutional Study. International Journal of Radiation Oncology Biology Physics, 2017, 99, S68-S69.	0.8	0
53	31 P NMR Evidence for Peroxide Intermediates in Lipid Emulsion Photooxidations: Phosphine Substituent Effects in Trapping. Photochemistry and Photobiology, 2017, 93, 1430-1438.	2.5	3
54	A summary of light dose distribution using an IR navigation system for Photofrin-mediated Pleural PDT. Proceedings of SPIE, 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. Practical Radiation Oncology, 2017, 7, e145-e155.	2.1	38
56	A compact fiberâ€optic probeâ€based singlet oxygen luminescence detection system. Journal of Biophotonics, 2017, 10, 320-326.	2.3	22
57	Monitoring and assessment of tumor hemodynamics during pleural PDT. Proceedings of SPIE, 2017, , .	0.8	1
58	21 Spectroscopic imaging in prostate PDT. Series in Cellular and Clinical Imaging, 2017, , 419-454.	0.2	0
59	Singlet oxygen explicit dosimetry to predict local tumor control for HPPH-mediated photodynamic therapy. Proceedings of SPIE, 2017, , .	0.8	1
60	A Comparison of Singlet Oxygen Explicit Dosimetry (SOED) and Singlet Oxygen Luminescence Dosimetry (SOLD) for Photofrin-Mediated Photodynamic Therapy. Cancers, 2016, 8, 109.	3.7	23
61	Analytic function for predicting light fluence rate of circular fields on a semi-infinite turbid medium. Optics Express, 2016, 24, 26261.	3.4	25
62	Evaluation of the 2â€(1â€Hexyloxyethyl)â€2â€devinyl pyropheophorbide (HPPH) mediated photodynamic therapy by macroscopic singlet oxygen modeling. Journal of Biophotonics, 2016, 9, 1344-1354.	2.3	24
63	Proton computed tomography using a 1D silicon diode array. Medical Physics, 2016, 43, 5758-5766.	3.0	3
64	Explicit macroscopic singlet oxygen modeling for benzoporphyrin derivative monoacid ring A (BPD)-mediated photodynamic therapy. Journal of Photochemistry and Photobiology B: Biology, 2016, 164, 314-322.	3.8	17
65	Macroscopic singlet oxygen modeling for dosimetry of Photofrin-mediated photodynamic therapy: an in-vivo study. Journal of Biomedical Optics, 2016, 21, 088002.	2.6	41
66	PDT dose dosimeter for pleural photodynamic therapy. Proceedings of SPIE, 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. Proceedings of SPIE, 2016, 9694, .	0.8	8
69	Dosimetry study of PHOTOFRIN-mediated photodynamic therapy in a mouse tumor model. Proceedings of SPIE, 2016, 9694, .	0.8	10
70	An improved analytic function for predicting light fluence rate in circular fields on a semi-infinite geometry. Proceedings of SPIE, 2016, 9706, 97061D.	0.8	5
71	A feasibility study of singlet oxygen explicit dosmietry (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. Oral Oncology, 2016, 55, 37-42.	1.5	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.	2.5	18
76	An IR navigation system for pleural PDT. Frontiers in Physics, 2015, 3, .	2.1	18
77	Study of tissue oxygen supply rate in a macroscopic photodynamic therapy singlet oxygen model. Journal of Biomedical Optics, 2015, 20, 038001.	2.6	44
78	Parameterization of electron beam output factor. Physica Medica, 2015, 31, 420-424.	0.7	4
79	In-vivo singlet oxygen threshold doses for PDT. Photonics & Lasers in Medicine, 2015, 4, 59-71.	0.2	44
80	In-vivo outcome study of HPPH mediated PDT using singlet oxygen explicit dosimetry (SOED). , 2015, 9308, .		9
81	In vivooutcome 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.	0.8	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.	2.6	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.	2.1	53
88	TIMP1 in conditioned media of human adipose stromal cells protects neurons against oxygen-glucose deprivation injury. Neuroscience Letters, 2015, 584, 56-59.	2.1	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. BjÃrngard, Ph.D.. Medical Physics, 2014, 41, 040801.	3.0	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.	1.6	0
97	SU-E-T-577: Commissioning of a Deterministic Algorithm for External Photon Beams. Medical Physics, 2014, 41, 360-360.	3.0	0
98	SU-D-16A-07: Photobleaching Predicts Necrosis in Interstitial PDT. Medical Physics, 2014, 41, 109-109.	3.0	0
99	Should image rotation be addressed during routine cone-beam CT quality assurance?. Physics in Medicine and Biology, 2013, 58, 1059-1073.	3.0	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. Physics in Medicine and Biology, 2013, 58, 3461-3480.	3.0	14
110	Absolute calibration of optical power for PDT: Report of AAPM TG140. Medical Physics, 2013, 40, 081501.	3.0	7
111	Determination of optical properties in heterogeneous turbid media using a cylindrical diffusing fiber. Physics in Medicine and Biology, 2012, 57, 6025-6046.	3.0	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. Proceedings of SPIE, 2012, 8210, .	0.8	5
115	Maximizing fluence rate and field uniformity of light blanket for intraoperative PDT. Proceedings of SPIE, 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. Journal of Pressure Vessel Technology, Transactions of the ASME, 2012, 134, .	0.6	0
117	Singlet oxygen dosimetry modeling for photodynamic therapy. Proceedings of SPIE, 2012, 8210, .	0.8	13
118	Dosimetry in Pleural Photodynamic Therapy. Journal of the National Comprehensive Cancer Network: JNCCN, 2012, 10, S-60-S-64.	4.9	8
119	Oxidative Stress and Photodynamic Therapy for Prostate Cancer. , 2012, , 277-300.		0
120	Verification of monitor unit calculations for nonâ€IMRT clinical radiotherapy: Report of AAPM Task Group 114. Medical Physics, 2011, 38, 504-530.	3.0	88
121	Transoral robotic photodynamic therapy for the oropharynx. Photodiagnosis and Photodynamic Therapy, 2011, 8, 64-67.	2.6	15
122	Photodynamic therapy in the management of pre-malignant head and neck mucosal dysplasia and microinvasive carcinoma. Photodiagnosis and Photodynamic Therapy, 2011, 8, 75-85.	2.6	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 lowâ€energy x rays for the treatment of skin cancers. Medical Physics, 2011, 38, 1133-1135.	3.0	5
126	A review of inâ€vivo optical properties of human tissues and its impact on PDT. Journal of Biophotonics, 2011, 4, 773-787.	2.3	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.	3.0	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.	3.0	0
130	Monte Carlo simulation of the effect of miniphantom on inâ€air output ratio. Medical Physics, 2010, 37, 5228-5237.	3.0	3
131	Explicit dosimetry for photodynamic therapy: macroscopic singlet oxygen modeling. Journal of Biophotonics, 2010, 3, 304-318.	2.3	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.	0.8	3
133	Small Field: dosimetry in electron disequilibrium region. Journal of Physics: Conference Series, 2010, 250, 012056.	0.4	6
134	Modeling scatter-to-primary dose ratio for megavoltage photon beams. Medical Physics, 2010, 37, 5270-5278.	3.0	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.	2.6	13
142	Interference with the JaffÃ© method for creatinine following 5-aminolevulinic acid administration. Photodiagnosis and Photodynamic Therapy, 2010, 7, 268-274.	2.6	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, 71640O.	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.	0.8	0
151	Reconstruction of in-vivo optical properties for human prostate using interstitial diffuse optical tomography. Optics Express, 2009, 17, 11665.	3.4	36
152	Fluence rate-dependent intratumor heterogeneity in physiologic and cytotoxic responses to Photofrin photodynamic therapy. Photochemical and Photobiological Sciences, 2009, 8, 1683-1693.	2.9	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.	3.0	6
155	Report of AAPM Therapy Physics Committee Task Group 74: Inâ€air output ratio, , for megavoltage photon beams. Medical Physics, 2009, 36, 5261-5291.	3.0	77
156	Accelerator beam data commissioning equipment and procedures: Report of the TGâ€106 of the Therapy Physics Committee of the AAPM. Medical Physics, 2008, 35, 4186-4215.	3.0	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.	3.0	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.	7.0	109
162	Determination ofin vivolight fluence distribution in a heterogeneous prostate during photodynamic therapy. Physics in Medicine and Biology, 2008, 53, 2103-2114.	3.0	39

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163	The role of photodynamic therapy (PDT) physics. Medical Physics, 2008, 35, 3127-3136.	3.0	179
164	Patient-Specific Dosimetry for Photodynamic Therapy. Lecture Notes in Electrical Engineering, 2008, , 115-125.	0.4	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. Journal of Biomedical Optics, 2007, 12, 034023.	2.6	15
169	Energy dependence of commercially available diode detectors forin-vivodosimetry. Medical Physics, 2007, 34, 1704-1711.	3.0	49
170	Modeling light fluence rate distribution in optically heterogeneous prostate photodynamic therapy using a kernel method. , 2007, 6427, .		2
171	SUâ€FFâ€Tâ€12: A Fluenceâ€Based Algorithm for MU Calculation of Proton Beams. Medical Physics, 2007, 34, 2403-2403.	3.0	0
172	Prostate PDT dosimetry. Photodiagnosis and Photodynamic Therapy, 2006, 3, 234-246.	2.6	52
173	Photodynamic Therapy with Motexafin Lutetium for Rectal Cancer: A Preclinical Model in the Dog. Journal of Surgical Research, 2006, 135, 323-330.	1.6	21
174	Interstitial Fluorescence Spectroscopy in the Human Prostate During Motexafin Lutetiumâ€"Mediated Photodynamic Therapy. Photochemistry and Photobiology, 2006, 82, 1270.	2.5	64
175	Real-time In Situ Monitoring of Human Prostate Photodynamic Therapy with Diffuse Light. Photochemistry and Photobiology, 2006, 82, 1279.	2.5	102
176	Preliminary results of interstitial motexafin lutetium-mediated PDT for prostate cancer. Lasers in Surgery and Medicine, 2006, 38, 427-434.	2.1	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. Physics in Medicine and Biology, 2006, 51, 3819-3834.	3.0	9
180	A Phase II Trial of Intraperitoneal Photodynamic Therapy for Patients with Peritoneal Carcinomatosis and Sarcomatosis. Clinical Cancer Research, 2006, 12, 2517-2525.	7.0	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.	1.2	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.	3.8	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.	3.0	94
187	Optical Properties of Human Prostate at 732 nm Measured In Vivo During Motexafin Lutetiumâ€“mediated Photodynamic TherapyÂ¶. Photochemistry and Photobiology, 2005, 81, 96.	2.5	67
188	Optimized interstitial PDT prostate treatment planning with the Cimmino feasibility algorithm. Medical Physics, 2005, 32, 3524-3536.	3.0	57
189	Optimization of light sources for prostate photodynamic therapy. , 2005, 5689, 186-197.		3
190	In vivo measurement of fluorescence emission in the human prostate during photodynamic therapy. , 2005, 5689, 299-310.		3
191	Broadband reflectance measurements of light penetration, blood oxygenation, hemoglobin concentration, and drug concentration in human intraperitoneal tissues before and after photodynamic therapy. Journal of Biomedical Optics, 2005, 10, 014004.	2.6	101
192	Optical Properties of Human Prostate at 732 nm Measured In Vivo During Motexafin Lutetiumâ€“mediated Photodynamic Therapy^{Â¶}. Photochemistry and Photobiology, 2005, 81, 96-105.	2.5	1
193	Optical Properties of Human Prostate at 732 nm Measured In Vivo during Motexafin Lutetium-Mediated Photodynamic Therapy. Photochemistry and Photobiology, 2004, 81, 96-105.	2.5	45
194	Thermal and temporal response of ionization chambers in radiation dosimetry. Medical Physics, 2004, 31, 573-578.	3.0	16
195	Output ratio in air for MLC shaped irregular fields. Medical Physics, 2004, 31, 2480-2490.	3.0	17
196	Dose rate and SDD dependence of commercially available diode detectors. Medical Physics, 2004, 31, 914-924.	3.0	67
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