

Stefan Andersson-Engels

List of Publications by Year in descending order

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326
papers

9,155
citations

31949

53
h-index

51562

86
g-index

332
all docs

332
docs citations

332
times ranked

6141
citing authors

#	ARTICLE	IF	CITATIONS
1	Perspective on the integration of optical sensing into orthopedic surgical devices. Journal of Biomedical Optics, 2022, 27, .	1.4	8
2	Improving colorectal cancer detection by extending the near-infrared wavelength range and tissue probed depth of diffuse reflectance spectroscopy: a support vector machine approach. , 2022, , .		1
3	Numerical investigation of the influence of the source and detector position for optical measurement of lung volume and oxygen content in preterm infants. Journal of Biophotonics, 2022, 15, e202200041.	1.1	2
4	Biophotonics web application for computer simulations in diffuse optics: fostering multidisciplinary education and research. , 2022, , .		2
5	Accurate colorectal cancer detection and delineation by probing superficial and deeper tissue biochemistry and microstructure using diffuse reflectance spectroscopy. , 2022, , .		0
6	Review of optical methods for fetal monitoring in utero. Journal of Biophotonics, 2022, 15, e202100343.	1.1	2
7	Gas in scattering media absorption spectroscopy as a potential tool in neonatal respiratory care. Pediatric Research, 2022, 92, 1240-1246.	1.1	3
8	Colorectal cancer detection based on the extraction of scattering properties and biochemical concentrations from fluorescence spectroscopy measurements. , 2022, , .		2
9	Non-Invasive Lung Oxygen Monitoring in Term Infants: A Pilot Trial. , 2022, , .		0
10	High contrast breast cancer biomarker imaging using upconverting nanoparticles. , 2022, , .		0
11	Investigation of Lung Volume Measurements in Neonates Using Gas in Scattering Media Absorption Spectroscopy. , 2022, , .		0
12	Automated tissue boundary detection. , 2022, , .		0
13	Miniaturized, multi-spectral optics for tissue differentiation. , 2022, , .		0
14	Combined autofluorescence and diffuse reflectance for brain tumour surgical guidance: initial ex vivo study results. Biomedical Optics Express, 2021, 12, 2432.	1.5	11
15	Effect of the presence of amniotic fluid for optical transabdominal fetal monitoring using Monte Carlo simulations. Journal of Biophotonics, 2021, 14, e202000486.	1.1	1
16	Perspectives on interstitial photodynamic therapy for malignant tumors. Journal of Biomedical Optics, 2021, 26, .	1.4	4
17	Assessment of tissue biochemical and optical scattering changes due to hypothermic organ preservation: a preliminary study in mouse organs. Journal Physics D: Applied Physics, 2021, 54, 374003.	1.3	3
18	Multi-Spectral Clinical Prototype for Fluorophore Detection. Frontiers in Physics, 2021, 9, .	1.0	3

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19	Tissue biomolecular and microstructure profiles in optical colorectal cancer delineation. Journal Physics D: Applied Physics, 2021, 54, 454002.	1.3	16
20	Evaluation of wavelength ranges and tissue depth probed by diffuse reflectance spectroscopy for colorectal cancer detection. Scientific Reports, 2021, 11, 798.	1.6	42
21	Lung tissue phantom mimicking pulmonary optical properties, relative humidity, and temperature: a tool to analyze the changes in oxygen gas absorption for different inflated volumes. Journal of Biomedical Optics, 2021, 27, .	1.4	5
22	Optimization of tissue classification for colorectal cancer detection using support vector machines and diffuse reflectance spectroscopy. , 2021, , .		6
23	Benefit of extending near-infrared wavelength range of diffuse reflectance spectroscopy for colorectal cancer detection using machine learning. , 2021, , .		8
24	Imaging speckle decorrelation effect with combined acousto-optical imaging with off-axis heterodyne holography for biomedical applications. , 2021, , .		1
25	Optical determination of superficial and deeper tissue biochemistry and microstructure for delineation and early detection of colorectal cancer. , 2021, , .		6
26	Phantoms for performance verification and quality control in developing a photonics-based medical device (VASCOVID): a regulatory driven approach. , 2021, , .		0
27	Mapping O2 concentration in ex-vivo tissue samples on a fast PLIM macro-imager. Scientific Reports, 2020, 10, 19006.	1.6	8
28	Fluorescence Spectroscopy Study of Protoporphyrin IX in Optical Tissue Simulating Liquid Phantoms. Materials, 2020, 13, 2105.	1.3	13
29	Characterization of planar phosphorescence based oxygen sensors on a TCSPC-PLIM macro-imager. Sensors and Actuators B: Chemical, 2020, 321, 128459.	4.0	5
30	Cranial Perforation Using an Optically-Enhanced Surgical Drill. IEEE Transactions on Biomedical Engineering, 2020, 67, 3474-3482.	2.5	8
31	Anthropomorphic optical phantom of the neonatal thorax: a key tool for pulmonary studies in preterm infants. Journal of Biomedical Optics, 2020, 25, .	1.4	12
32	Photodynamic therapy dosimetry using multiexcitation multiemission wavelength: toward real-time prediction of treatment outcome. Journal of Biomedical Optics, 2020, 25, 1.	1.4	12
33	Combination of diffuse reflectance and transmittance spectroscopy to obtain optical properties of liquid phantoms. Optical Engineering, 2020, 59, 1.	0.5	10
34	A new macro-imager based on Tpx3Cam optical camera for PLIM applications. , 2020, , .		2
35	New luminescence lifetime macro-imager based on a Tpx3Cam optical camera. Biomedical Optics Express, 2020, 11, 77.	1.5	18
36	Broadband extraction of tissue optical properties using a portable hybrid time-resolved continuous wave instrumentation: characterization of ex vivo organs. , 2020, , .		9

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37	A solid phantom recipe and exploration for biophotonics applications: a step to produce standardized tissue phantoms. , 2020, , .		0
38	Special Section Guest Editorial: Fluorescence Lifetime Imaging, Optical Micromechanics, and Beyond. Journal of Biomedical Optics, 2020, 25, 1.	1.4	0
39	<p>Emerging applications of upconverting nanoparticles in intestinal infection and colorectal cancer</p>. International Journal of Nanomedicine, 2019, Volume 14, 1027-1038.	3.3	41
40	Broadband Time Domain Diffuse Optical Reflectance Spectroscopy: A Review of Systems, Methods, and Applications. Applied Sciences (Switzerland), 2019, 9, 5465.	1.3	15
41	Fluorescence spectroscopy of mouse organs using ultraviolet excitation: towards assessment of organ viability for transplantation. , 2019, , .		3
42	Solid phantom recipe for diffuse optics in biophotonics applications: a step towards anatomically correct 3D tissue phantoms. Biomedical Optics Express, 2019, 10, 2090.	1.5	31
43	Characterization and modeling of acousto-optic signal strengths in highly scattering media. Biomedical Optics Express, 2019, 10, 5565.	1.5	7
44	Oxygen gas concentration measurements in the lungs of neonate chest phantom with realistic geometry and tissue optical properties using diode laser spectroscopy. , 2019, , .		0
45	Teaching light-tissue interactions: using technology for education. , 2019, , .		1
46	Method of continuous improvement of multidisciplinary programs and outreach activities. , 2019, , .		0
47	Modelling light propagation for fetal monitoring in utero. , 2019, , .		0
48	A solid phantom recipe for biophotonics applications: a step towards anatomically correct 3D tissue phantoms. , 2019, , .		3
49	Fluorescence spectroscopy study of protoporphyrin IX in tissue-like phantoms. , 2019, , .		0
50	Simulation of near-infrared light propagation through the thorax of a neonate: addressing the optimisation of source and detector positions for measuring lung oxygen content in preterm infants. , 2019, , .		0
51	Gold Enhanced Hemoglobin Interaction in a Fabryâ€™rot Based Optical Fiber Sensor for Measurement of Blood Refractive Index. Journal of Lightwave Technology, 2018, 36, 1118-1124.	2.7	22
52	Development of a 3â€™dimensional tissue lung phantom of a preterm infant for optical measurements of oxygenâ€™Laserâ€™detector position considerations. Journal of Biophotonics, 2018, 11, e201700097.	1.1	16
53	Visualising Bacterial Colonization Dynamics Inside the Gut Using Upconverting Nanoparticles Luminescence Imaging. , 2018, , .		0
54	Quantitative in vivo detection of adipose tissue browning using diffuse reflectance spectroscopy in nearâ€™infrared II window. Journal of Biophotonics, 2018, 11, e201800135.	1.1	11

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55	Computer simulation analysis of sourceâ€detector position for percutaneously measured O_2 signal in a three-dimensional preterm infant lung. Journal of Biophotonics, 2018, 11, e201800023.	1.1	8
56	Diffuse reflectance spectroscopy for determination of optical properties and chromophore concentrations of mice internal organs in the range of 350 nm to 1860 nm. , 2018, , .		17
57	Deep tissue imaging with acousto-optical tomography and spectral hole burning with slow light effect: a theoretical study. Journal of Biomedical Optics, 2018, 23, 1.	1.4	5
58	Special Section Guest Editorial: Special Section on Selected Topics in Biophotonics: Optogenetics and Label-Free Optical Spectroscopy. Journal of Biomedical Optics, 2018, 23, 1.	1.4	0
59	Determination optical properties of tissue-like phantoms using diffuse reflectance and transmittance spectroscopy. , 2018, , .		3
60	Potential biomedical use of diode-laser-induced luminescence from upconverting nanoparticles. , 2018, , 291-330.		0
61	Review of current methods of acousto-optical tomography for biomedical applications. Frontiers of Optoelectronics, 2017, 10, 211-238.	1.9	35
62	Beam-profile-compensated quantum yield measurements of upconverting nanoparticles. Physical Chemistry Chemical Physics, 2017, 19, 22016-22022.	1.3	16
63	Analysis of the potential for non-invasive imaging of oxygenation at heart depth, using ultrasound optical tomography (UOT) or photo-acoustic tomography (PAT). Biomedical Optics Express, 2017, 8, 4523.	1.5	12
64	A 3-D printed phantom for optical techniques in medicine. , 2017, , .		0
65	The volume scanner optical performance. , 2017, , .		0
66	Quasi-Continuous Wave Near-Infrared Excitation of Upconversion Nanoparticles for Optogenetic Manipulation of <i>C. elegans</i> . Small, 2016, 12, 1732-1743.	5.2	93
67	Special Section Guest Editorial: Selected Topics in Biophotonics: Photoacoustic Tomography and Fiber-Based Lasers and Supercontinuum Sources. Journal of Biomedical Optics, 2016, 21, 061001.	1.4	0
68	Diode laser spectroscopy for noninvasive monitoring of oxygen in the lungs of newborn infants. Pediatric Research, 2016, 79, 621-628.	1.1	26
69	Comparing time-resolved and continuous-wave near-infrared spectroscopy for determining oxygen saturation in human skeletal muscle tissue. , 2016, , .		0
70	Improving penetration depth in biological imaging using $Nd^{3+}/Yb^{3+}/Er^{3+}$ -doped upconverting nanoparticles. , 2016, , .		0
71	Deep-Tissue Optical Imaging and Photoactivation Activities at Biophotonics@Tyndall. , 2016, , .		0
72	Increasing depth penetration in biological tissue imaging using 808-nm excited $Nd^{3+}/Yb^{3+}/Er^{3+}$ -doped upconverting nanoparticles. Journal of Biomedical Optics, 2015, 20, 086008.	1.4	22

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73	Transmission Near-Infrared (NIR) and Photon Time-of-Flight (PTOF) Spectroscopy in a Comparative Analysis of Pharmaceuticals. <i>Applied Spectroscopy</i> , 2015, 69, 389-397.	1.2	7
74	Diffuse reflectance spectroscopy of liver tissue. <i>Proceedings of SPIE</i> , 2015, , .	0.8	7
75	Complete parameterization of temporally and spectrally resolved laser induced fluorescence data with applications in bio-photonics. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015, 142, 95-106.	1.8	1
76	Superparamagnetic iron oxide nanoparticles as a multimodal contrast agent for up to five imaging modalities. <i>Clinical and Translational Imaging</i> , 2015, 3, 247-249.	1.1	3
77	Computationally effective solution of the inverse problem in time-of-flight spectroscopy. <i>Optics Express</i> , 2015, 23, 6937.	1.7	7
78	Characterization of probe contact effects on diffuse reflectance spectroscopy measurements. <i>Proceedings of SPIE</i> , 2015, , .	0.8	3
79	A new volume scanner. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
80	Pharmacokinetic and biodistribution study following systemic administration of Fospeg [®] a Pegylated liposomal mTHPC formulation in a murine model. <i>Journal of Biophotonics</i> , 2015, 8, 142-152.	1.1	9
81	Determination of reference values for optical properties of liquid phantoms based on Intralipid and India ink. <i>Biomedical Optics Express</i> , 2014, 5, 2037.	1.5	133
82	Introduction to the BIOMED 2014 feature issue. <i>Biomedical Optics Express</i> , 2014, 5, 4144.	1.5	0
83	Design and validation of a fiber optic point probe instrument for therapy guidance and monitoring. <i>Journal of Biomedical Optics</i> , 2014, 19, 071408.	1.4	13
84	Special Section Guest Editorial: Selected Topics in Biophotonics: Optical Coherence Tomography and Biomolecular Imaging with Coherent Raman Scattering Microscopy. <i>Journal of Biomedical Optics</i> , 2014, 19, 071401.	1.4	0
85	Introduction to the issue on biophotonics. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014, 20, 4-7.	1.9	3
86	Potential of multi-photon upconversion emissions for fluorescence diffuse optical imaging. <i>Optics Express</i> , 2014, 22, 17782.	1.7	12
87	Multispectral guided fluorescence diffuse optical tomography using upconverting nanoparticles. <i>Applied Physics Letters</i> , 2014, 104, 073703.	1.5	8
88	Cancer diagnostics using fluorescence/reflectance spectroscopy with a fiber optic point probe and least-squares support vector machines. , 2014, , .		0
89	Quantum yield characterization and excitation scheme optimization of upconverting nanoparticles. , 2014, , .		0
90	Deep tissue optical imaging of upconverting nanoparticles enabled by exploiting higher intrinsic quantum yield through use of millisecond single pulse excitation with high peak power. <i>Nanoscale</i> , 2013, 5, 10034.	2.8	59

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91	Laser spectroscopic gas concentration measurements in situations with unknown optical path length enabled by absorption line shape analysis. Applied Physics Letters, 2013, 103, 034105.	1.5	10
92	Upconverting nanoparticles for pre-clinical diffuse optical imaging, microscopy and sensing: Current trends and future challenges. Laser and Photonics Reviews, 2013, 7, 663-697.	4.4	141
93	Broadband photon time-of-flight spectroscopy of pharmaceuticals and highly scattering plastics in the VIS and close NIR spectral ranges. Optics Express, 2013, 21, 20941.	1.7	38
94	Noninvasive monitoring of gas in the lungs and intestines of newborn infants using diode lasers: feasibility study. Journal of Biomedical Optics, 2013, 18, 127005.	1.4	23
95	Development of a novel combined fluorescence and reflectance spectroscopy system for guiding high-grade glioma resections: confirmation of capability in lab experiments. Proceedings of SPIE, 2013, , .	0.8	1
96	Novel combined fluorescence/reflectance spectroscopy system for guiding brain tumor resections: hardware considerations. Proceedings of SPIE, 2013, , .	0.8	0
97	Muscle tissue saturation in humans studied with two non-invasive optical techniques: a comparative study. Proceedings of SPIE, 2013, , .	0.8	0
98	Spectral Characterisation of Dairy Products Using Photon Time-of-Flight Spectroscopy. Journal of Near Infrared Spectroscopy, 2013, 21, 375-383.	0.8	17
99	Balancing power density based quantum yield characterization of upconverting nanoparticles for arbitrary excitation intensities. Nanoscale, 2013, 5, 4770.	2.8	89
100	Non-invasive gas monitoring in newborn infants using diode laser absorption spectroscopy: a case study. Proceedings of SPIE, 2012, , .	0.8	9
101	Single-fiber diffuse optical time-of-flight spectroscopy. Optics Letters, 2012, 37, 2877.	1.7	36
102	Special Section Guest Editorial: Selected Topics in Biophotonics: Optical Coherence Tomography and Medical Imaging Using Diffuse Optics. Journal of Biomedical Optics, 2012, 17, 0713011.	1.4	1
103	Dual coupled radiative transfer equation and diffusion approximation for the solution of the forward problem in fluorescence molecular imaging. , 2012, , .		1
104	Introduction to the Issue on Biophotonicsâ€”Part 1. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1039-1041.	1.9	0
105	Guest Editorial Introduction to the Issue on Biophotonicsâ€”Part 2. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1267-1269.	1.9	0
106	Characterization and validation of the frequency-modulated continuous-wave technique for assessment of photon migration in solid scattering media. Applied Physics B: Lasers and Optics, 2012, 109, 467-475.	1.1	14
107	High-Resolution Fluorescence Diffuse Optical Tomography Developed with Nonlinear Upconverting Nanoparticles. ACS Nano, 2012, 6, 4788-4795.	7.3	127
108	Transscleral Optical Spectroscopy of Uveal Melanoma in Enucleated Human Eyes. , 2012, 53, 5379.		4

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109	Evaluation of a radiative transfer equation and diffusion approximation hybrid forward solver for fluorescence molecular imaging. <i>Journal of Biomedical Optics</i> , 2012, 17, 126010.	1.4	15
110	<i>In vivo</i> measurements of diffuse reflectance and time-resolved autofluorescence emission spectra of basal cell carcinomas. <i>Journal of Biophotonics</i> , 2012, 5, 240-254.	1.1	29
111	Transscleral visible/near-infrared spectroscopy for quantitative assessment of haemoglobin in experimental choroidal tumours. <i>Acta Ophthalmologica</i> , 2012, 90, 350-356.	0.6	5
112	Upconverting nanoparticles as contrast agents for <i>in vivo</i> luminescence imaging and tomography. , 2012, , .		2
113	Gas Monitoring in Human Body Cavities Using Non-Intrusive Diode Laser Absorption Spectroscopy. , 2012, , .		0
114	Wide-bandwidth diffused optical spectroscopy for pharmaceutical characterization. , 2012, , .		0
115	<i>In vivo</i> Luminescence Imaging and Tomography using Upconverting Nanoparticles as Contrast Agents. , 2012, , .		1
116	<i>In vivo</i> luminescence imaging and tomography using upconverting nanoparticles as contrast agents. , 2012, , .		1
117	Physiological influence of basic perturbations assessed by non-invasive optical techniques in humans. <i>Applied Physiology, Nutrition and Metabolism</i> , 2011, 36, 946-957.	0.9	17
118	Using 915 nm Laser Excited Tm ³⁺ /Er ³⁺ /Ho ³⁺ -Doped NaYbF ₄ Upconversion Nanoparticles for <i>in Vitro</i> and Deeper <i>in Vivo</i> Bioimaging without Overheating Irradiation. <i>ACS Nano</i> , 2011, 5, 3744-3757.	7.3	490
119	Solar radiation and human health. <i>Reports on Progress in Physics</i> , 2011, 74, 066701.	8.1	97
120	Effects of probe geometry on transscleral diffuse optical spectroscopy. <i>Biomedical Optics Express</i> , 2011, 2, 3058.	1.5	4
121	Fluorescence spectroscopy measurements in ultrasonic navigated resection of malignant brain tumors. <i>Lasers in Surgery and Medicine</i> , 2011, 43, 8-14.	1.1	20
122	Wall-collision line broadening of molecular oxygen within nanoporous materials. <i>Physical Review A</i> , 2011, 84, .	1.0	25
123	Photobleaching-Insensitive Fluorescence Diagnostics in Skin and Brain Tissue. <i>IEEE Photonics Journal</i> , 2011, 3, 407-421.	1.0	13
124	Interstitial laser thermotherapy of a rat liver tumour: Effect of hepatic inflow occlusion. <i>Lasers in Surgery and Medicine</i> , 2011, 43, 29-35.	1.1	5
125	Synthesis of NaYF ₄ : Yb ³⁺ /Er ³⁺ upconverting nanocrystals in a capillary-based continuous microfluidic reaction system. , 2011, , .		5
126	Drug quantification in turbid media by fluorescence imaging combined with light-absorption correction using white Monte Carlo simulations. <i>Journal of Biomedical Optics</i> , 2011, 16, 066002.	1.4	16

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127	Hyperspectral fluorescence lifetime fibre probe spectroscopy for use in the study and diagnosis of osteoarthritis and skin cancer. , 2011, , .		2
128	Introduction to the Special Issue on Biophotonicsâ€™Part 1. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 475-477.	1.9	1
129	Introduction to the Special Issue on Biophotonicsâ€™Part 2. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 703-705.	1.9	1
130	Therapeutic laser application and tissue interactions: Bringing light into clinical practice. Journal of Biophotonics, 2010, 3, 259-260.	1.1	1
131	Optical touch pointer for fluorescence guided glioblastoma resection using 5â€™aminolevulinic acid. Lasers in Surgery and Medicine, 2010, 42, 9-14.	1.1	75
132	Fluorescence diffuse optical tomography using nonlinear upconverting nanoparticles. , 2010, , .		0
133	Special Section Guest Editorial: Selected Topics in Biophotonics: Photodynamic Therapy and Optical Micromanipulation for Biophotonics. Journal of Biomedical Optics, 2010, 15, 041501.	1.4	2
134	Autofluorescence of pigmented skin lesions using a pulsed UV laser with synchronized detection: clinical results. Proceedings of SPIE, 2010, , .	0.8	0
135	Photodynamic therapy: superficial and interstitial illumination. Journal of Biomedical Optics, 2010, 15, 041502.	1.4	41
136	Next-generation acceleration and code optimization for light transport in turbid media using GPUs. Biomedical Optics Express, 2010, 1, 658.	1.5	142
137	Multibeam fluorescence diffuse optical tomography using upconverting nanoparticles. Optics Letters, 2010, 35, 718.	1.7	21
138	Optical porosimetry and investigations of the porosity experienced by light interacting with porous media. Optics Letters, 2010, 35, 1740.	1.7	27
139	Use of nonlinear upconverting nanoparticles provides increased spatial resolution in fluorescence diffuse imaging. Optics Letters, 2010, 35, 2789.	1.7	24
140	Transscleral visible/near-infrared spectroscopy for quantitative assessment of melanin in a uveal melanoma phantom of ex vivo porcine eyes. Experimental Eye Research, 2010, 90, 330-336.	1.2	10
141	System for interstitial photodynamic therapy with online dosimetry: first clinical experiences of prostate cancer. Journal of Biomedical Optics, 2010, 15, 058003.	1.4	79
142	Wall-collision broadening of Gas absorption lines in nanoporous materials. , 2010, , .		0
143	Fluorescence spectroscopy for guiding malignant brain tumor resection with Optical Touch Pointer. , 2010, , .		1
144	Dual-beam Fluorescence Diffuse Optical Tomography Using Nonlinear Upconverting Nanoparticles. , 2010, , .		0

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145	Fluorescence Diffuse Optical Tomography using Upconverting Nanoparticles. , 2010, , .		3
146	Accurate Study of FosPeg® Distribution in a Mouse Model Using Fluorescence Imaging Technique and Fluorescence White Monte Carlo Simulations. , 2010, , .		0
147	Near-infrared photon time-of-flight spectroscopy of turbid materials up to 1400 nm. Review of Scientific Instruments, 2009, 80, 063105.	0.6	37
148	Fluorescence diffuse optical tomography using upconverting nanoparticles. Applied Physics Letters, 2009, 94, 251107.	1.5	54
149	Photobleaching behavior of protoporphyrin IX during 5-aminolevulinic acid marked glioblastoma detection. , 2009, , .		10
150	In vivo photosensitizer tomography inside the human prostate. Optics Letters, 2009, 34, 232.	1.7	29
151	Chirped multilayer hollow waveguides with broadband transmission. Optics Express, 2009, 17, 3025.	1.7	40
152	A matrix-free algorithm for multiple wavelength fluorescence tomography. Optics Express, 2009, 17, 3042.	1.7	40
153	Using feedback for cancer treatment. SPIE Newsroom, 2009, , .	0.1	0
154	Upconverting Luminescence Nanocrystals for Biomedical Applications. , 2009, , .		0
155	VCSEL-based oxygen spectroscopy for structural analysis of pharmaceutical solids. Applied Physics B: Lasers and Optics, 2008, 90, 345-354.	1.1	72
156	Towards accurate <i>in vivo</i> spectroscopy of the human prostate. Journal of Biophotonics, 2008, 1, 200-203.	1.1	32
157	Fluorescence investigations to classify malignant laryngeal lesions in vivo. Head and Neck, 2008, 30, 419-426.	0.9	20
158	Localization of embedded inclusions using detection of fluorescence: Feasibility study based on simulation data, LS-SVM modeling and EPO pre-processing. Chemometrics and Intelligent Laboratory Systems, 2008, 91, 34-42.	1.8	7
159	Introduction to the Special Issue on Biophotonicsâ€™ Part 2. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 1-3.	1.9	1
160	White Monte Carlo for time-resolved photon migration. Journal of Biomedical Optics, 2008, 13, 041304.	1.4	92
161	Parallel computing with graphics processing units for high-speed Monte Carlo simulation of photon migration. Journal of Biomedical Optics, 2008, 13, 060504.	1.4	327
162	High sensitivity gas spectroscopy of porous, highly scattering solids. Optics Letters, 2008, 33, 80.	1.7	27

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163	Spatially resolved, single-ended two-dimensional visualization of gas flow phenomena using structured illumination. <i>Applied Optics</i> , 2008, 47, 3927.	2.1	16
164	High power 404 nm source based on second harmonic generation in PPKTP of a tapered external feedback diode laser. <i>Optics Express</i> , 2008, 16, 2486.	1.7	30
165	Improved accuracy in time-resolved diffuse reflectance spectroscopy. <i>Optics Express</i> , 2008, 16, 10440.	1.7	48
166	Selected Topics in Biophotonics: Diffuse Optics and Optical Molecular Imaging. <i>Journal of Biomedical Optics</i> , 2008, 13, 041301.	1.4	1
167	Autofluorescence insensitive imaging using upconverting nanocrystals in scattering media. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	82
168	Data fitting and image fine-tuning approach to solve the inverse problem in fluorescence molecular imaging. , 2008, , .		0
169	Optical Doppler tomography for monitoring vascularization during photodynamic therapy of skin cancer lesions. <i>Proceedings of SPIE</i> , 2008, , .	0.8	1
170	Laser Spectroscopy for Assessing Structural Properties of Turbid Solids: Towards Optical Porosimetry. , 2008, , .		0
171	A New Pulsed 404 nm Laser Source for Biomedical Applications. , 2008, , .		0
172	Time-resolved In Vivo Spectroscopy of Human Prostate evaluated using White Monte Carlo. , 2008, , .		0
173	Time-of-flight laser spectroscopy in biomedical diagnostics. , 2007, , .		0
174	Realtime light dosimetry software tools for interstitial photodynamic therapy of the human prostate. <i>Medical Physics</i> , 2007, 34, 4309-4321.	1.6	87
175	Evaluation of a fiber-optic fluorescence spectroscopy system to assist neurosurgical tumor resections. , 2007, , .		5
176	Prior information in fluorescence molecular tomography based on multispectral fluorescence emission. , 2007, , .		0
177	Interstitial photodynamic therapy for primary prostate cancer incorporating real-time treatment dosimetry. , 2007, , .		6
178	Novel low-loss 3-element ring resonator for second-harmonic generation of 808nm into 404nm using periodically poled KTP. , 2007, , .		0
179	Spatially varying regularization based on spectrally resolved fluorescence emission in fluorescence molecular tomography. <i>Optics Express</i> , 2007, 15, 13574.	1.7	24
180	Noninvasive Characterization of Pharmaceutical Solids by Diode Laser Oxygen Spectroscopy. <i>Applied Spectroscopy</i> , 2007, 61, 784-786.	1.2	33

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181	Fluorescence and absorption assessment of a lipid mTHPC formulation following topical application in a non-melanotic skin tumor model. <i>Journal of Biomedical Optics</i> , 2007, 12, 034026.	1.4	21
182	In vivo optical characterization of human prostate tissue using near-infrared time-resolved spectroscopy. <i>Journal of Biomedical Optics</i> , 2007, 12, 014022.	1.4	101
183	Tumor Selectivity at Short Times Following Systemic Administration of a Liposomal Temoporfin Formulation in a Murine Tumor Model. <i>Photochemistry and Photobiology</i> , 2007, 83, 1211-1219.	1.3	43
184	Introduction to the Special Issue on Biophotonicsâ€”Part 1. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2007, 13, 1593-1595.	1.9	0
185	Fluorescence Monitoring of a Topically Applied Liposomal Temoporfin Formulation and Photodynamic Therapy of Nonpigmented Skin Malignancies. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2007, 26, 117-126.	0.6	23
186	Pharmacokinetic study of a systemically administered novel liposomal Temoporfin formulation in an animal tumor model. , 2007, , .		1
187	Multispectral Fluorescence Imaging for Tumor Detection and Molecular Biology. , 2006, , .		0
188	In vivo measurement of parameters of dosimetric importance during interstitial photodynamic therapy of thick skin tumors. <i>Journal of Biomedical Optics</i> , 2006, 11, 034029.	1.4	45
189	Methods for Detailed Histopathological Investigation and Localization of Biopsies from Cervix Uteri to Improve the Interpretation of Autofluorescence Data. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2006, 25, 321-340.	0.6	5
190	mTHPC pharmacokinetics following topical administration. , 2006, , .		3
191	Influence of treatment-induced changes in tissue absorption on treatment volume during interstitial photodynamic therapy. <i>Medical Laser Application: International Journal for Laser Treatment and Research</i> , 2006, 21, 261-270.	0.4	9
192	Photodynamic Therapy of Nodular Basal Cell Carcinoma with Multifiber Contact Light Delivery. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2006, 25, 411-424.	0.6	11
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