

Michael W Berns

List of Publications by Year in descending order

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376
papers

11,357
citations

34493

54
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56606

87
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387
all docs

387
docs citations

387
times ranked

10537
citing authors

#	ARTICLE	IF	CITATIONS
1	Diminished LC3-Associated Phagocytosis by Huntington's Disease Striatal Astrocytes. <i>Journal of Huntington's Disease</i> , 2022, 11, 25-33.	0.9	7
2	Multimodal system for studying astrocyte cells, under quantitative phase microscope. , 2022, , .		0
3	Mechanosensor Piezo1 mediates bimodal patterns of intracellular calcium and <scp>FAK</scp> signaling. <i>EMBO Journal</i> , 2022, 41, .	3.5	10
4	Laser-Induced Shockwave (LIS) to Study Neuronal Ca ²⁺ Responses. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 598896.	2.0	6
5	Laser-Induced Nuclear Damage Signaling and Communication in Astrocyte Networks Through Parp-Dependent Calcium Oscillations. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	0
6	Blocking Protein Phosphatase 1 [PP1] Prevents Loss of Tether Elasticity in Anaphase Crane-Fly Spermatocytes. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 636746.	1.6	3
7	Combining quantitative phase microscopy and laser-induced shockwave for the study of cell injury. <i>Biomedical Optics Express</i> , 2021, 12, 4020.	1.5	5
8	A method to study cellular injuries using optical trapping combined with laser-induced shockwaves under quantitative phase microscope. , 2021, , .		2
9	Laser Scissors and Tweezers to Study Chromosomes: A Review. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 721.	2.0	17
10	Elastic Tethers Between Separating Anaphase Chromosomes Regulate the Poleward Speeds of the Attached Chromosomes in Crane-Fly Spermatocytes. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 161.	1.6	7
11	Calcium Dynamics in Astrocytes During Cell Injury. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 912.	2.0	16
12	DNA damage induced during mitosis undergoes DNA repair synthesis. <i>PLoS ONE</i> , 2020, 15, e0227849.	1.1	20
13	Fluid Shear Stress Enhances the Phagocytic Response of Astrocytes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 596577.	2.0	11
14	Evidence of Non-microtubule Spindle Forces in <i>Mesostoma ehrenbergii</i> Spermatocytes. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 557990.	1.6	3
15	NAD ⁺ consumption by PARP1 in response to DNA damage triggers metabolic shift critical for damaged cell survival. <i>Molecular Biology of the Cell</i> , 2019, 30, 2584-2597.	0.9	91
16	Laser Microirradiation to Study In Vivo Cellular Responses to Simple and Complex DNA Damage. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	11
17	Biphasic recruitment of TRF2 to DNA damage sites promotes non-sister chromatid homologous recombination repair. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	12
18	Phagocytic response of astrocytes to damaged neighboring cells. <i>PLoS ONE</i> , 2018, 13, e0196153.	1.1	49

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19	Anaphase Chromosomes in Crane-Fly Spermatocytes Treated With Taxol (Paclitaxel) Accelerate When Their Kinetochore Microtubules Are Cut: Evidence for Spindle Matrix Involvement With Spindle Forces. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 77.	1.8	9
20	A positive-feedback-based mechanism for constriction rate acceleration during cytokinesis in <i>Caenorhabditis elegans</i> . <i>ELife</i> , 2018, 7, .	2.8	75
21	LSD1 mediated changes in the local redox environment during the DNA damage response. <i>PLoS ONE</i> , 2018, 13, e0201907.	1.1	36
22	Visualizing Spatiotemporal Dynamics of Intercellular Mechanotransmission upon Wounding. <i>ACS Photonics</i> , 2018, 5, 3565-3574.	3.2	7
23	Red light improves spermatozoa motility and does not induce oxidative DNA damage. <i>Scientific Reports</i> , 2017, 7, 46480.	1.6	32
24	Elastic tethers between separating anaphase chromosomes in crane-fly spermatocytes coordinate chromosome movements to the two poles. <i>Cytoskeleton</i> , 2017, 74, 91-103.	1.0	17
25	Elastic "tethers"™ connect separating anaphase chromosomes in a broad range of animal cells. <i>European Journal of Cell Biology</i> , 2017, 96, 504-514.	1.6	16
26	Drug Delivery Nanoparticles with Locally Tunable Toxicity Made Entirely from a Light-Activatable Prodrug of Doxorubicin. <i>Pharmaceutical Research</i> , 2017, 34, 2025-2035.	1.7	5
27	Effect of red light on optically trapped spermatozoa. <i>Biomedical Optics Express</i> , 2017, 8, 4200.	1.5	8
28	Mitotic tethers connect sister chromosomes and transmit "cross-polar" force during anaphase A of mitosis in PtK2 cells. <i>Biomedical Optics Express</i> , 2017, 8, 4310.	1.5	6
29	Mitotic Tethers Connect Sister Chromosomes During Anaphase A in PtK2 Cells. , 2017, , .		1
30	Red Light Irradiation of Human Spermatozoa Increases Motility without Significant DNA Damage. , 2017, , .		0
31	Revealing the micromechanics driving cellular division: optical manipulation of force-bearing substructure in mitotic cells. , 2017, , .		0
32	Probing mechanobiology with laser-induced shockwaves. , 2017, , .		1
33	Biomedical optics centers: forty years of multidisciplinary clinical translation for improving human health. <i>Journal of Biomedical Optics</i> , 2016, 21, 124001.	1.4	10
34	The effect of red light irradiation on spermatozoa DNA. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
35	Laser microsurgery reveals conserved viscoelastic behavior of the kinetochore. <i>Journal of Cell Biology</i> , 2016, 212, 767-776.	2.3	25
36	Femtosecond near-infrared laser microirradiation reveals a crucial role for PARP signaling on factor assemblies at DNA damage sites. <i>Nucleic Acids Research</i> , 2016, 44, e27-e27.	6.5	25

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37	Laser-induced shockwave paired with FRET: A method to study cell signaling. <i>Microscopy Research and Technique</i> , 2015, 78, 195-199.	1.2	7
38	Combination of low level light therapy and nitrosyl-cobinamide accelerates wound healing. <i>Journal of Biomedical Optics</i> , 2015, 20, 051022.	1.4	17
39	Rat embryonic hippocampus and induced pluripotent stem cell derived cultured neurons recover from laser-induced subaxotomy. <i>Neurophotonics</i> , 2015, 2, 015006.	1.7	1
40	Escape forces and trajectories in optical tweezers and their effect on calibration. <i>Optics Express</i> , 2015, 23, 24317.	1.7	12
41	Laser Microbeam Targeting of Single Nerve Axons in Cell Culture. <i>Methods in Molecular Biology</i> , 2015, 1254, 211-226.	0.4	2
42	Distinct mechanisms regulating mechanical force-induced Ca ²⁺ signals at the plasma membrane and the ER in human MSCs. <i>ELife</i> , 2015, 4, e04876.	2.8	90
43	DNA Damage to a Single Chromosome End Delays Anaphase Onset. <i>Journal of Biological Chemistry</i> , 2014, 289, 22771-22784.	1.6	20
44	Effects of media viscosity and particle size on optical trapping of microspheres. , 2014, , .		0
45	Optical tweezers escape forces. , 2014, , .		3
46	Optical trapping of isolated mammalian chromosomes. <i>Proceedings of SPIE</i> , 2014, , .	0.8	1
47	Distinct Functions of Human Cohesin-SA1 and Cohesin-SA2 in Double-Strand Break Repair. <i>Molecular and Cellular Biology</i> , 2014, 34, 685-698.	1.1	77
48	Comparison of laser and diode sources for acceleration of <i>in vitro</i> wound healing by low-level light therapy. <i>Journal of Biomedical Optics</i> , 2014, 19, 038001.	1.4	25
49	CtIP Maintains Stability at Common Fragile Sites and Inverted Repeats by End Resection-Independent Endonuclease Activity. <i>Molecular Cell</i> , 2014, 54, 1012-1021.	4.5	122
50	The behavior of lipid debris left on cell surfaces from microbubble based ultrasound molecular imaging. <i>Ultrasonics</i> , 2014, 54, 2090-2098.	2.1	13
51	Real-time calcium measurements of live optically trapped microorganisms. <i>Journal of Biophotonics</i> , 2014, 7, 571-579.	1.1	1
52	Determination of motility forces on isolated chromosomes with laser tweezers. <i>Scientific Reports</i> , 2014, 4, 6866.	1.6	19
53	Development of a dual joystick-controlled laser trapping and cutting system for optical micromanipulation of chromosomes inside living cells. <i>Journal of Biophotonics</i> , 2013, 6, 197-204.	1.1	14
54	Nitrosyl-cobinamide (NO-Cbi), a new nitric oxide donor, improves wound healing through cGMP/cGMP-dependent protein kinase. <i>Cellular Signalling</i> , 2013, 25, 2374-2382.	1.7	22

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55	Distance segregation of sex chromosomes in crane-fly spermatocytes studied using laser microbeam irradiations. <i>Protoplasma</i> , 2013, 250, 1045-1055.	1.0	16
56	Targeting telomere-containing chromosome ends with a near-infrared femtosecond laser to study the activation of the DNA damage response and DNA damage repair pathways. <i>Journal of Biomedical Optics</i> , 2013, 18, 095003.	1.4	7
57	Purple sea urchin <i>Strongylocentrotus purpuratus</i> gamete manipulation using optical trapping and microfluidics. <i>Journal of Biomedical Optics</i> , 2013, 18, 1.	1.4	0
58	The Interaction of CtIP and Nbs1 Connects CDK and ATM to Regulate HR-Mediated Double-Strand Break Repair. <i>PLoS Genetics</i> , 2013, 9, e1003277.	1.5	200
59	Measurements of forces produced by the mitotic spindle using optical tweezers. <i>Molecular Biology of the Cell</i> , 2013, 24, 1375-1386.	0.9	31
60	The role of actin and myosin in Ptk2 spindle length changes induced by laser microbeam irradiations across the spindle. <i>Cytoskeleton</i> , 2013, 70, 241-259.	1.0	14
61	Microhomology-mediated End Joining and Homologous Recombination share the initial end resection step to repair DNA double-strand breaks in mammalian cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7720-7725.	3.3	387
62	CtIP Is Required to Initiate Replication-Dependent Interstrand Crosslink Repair. <i>PLoS Genetics</i> , 2012, 8, e1003050.	1.5	29
63	Neuronal growth cones respond to laser-induced axonal damage. <i>Journal of the Royal Society Interface</i> , 2012, 9, 535-547.	1.5	17
64	Effects of viscosity on sperm motility studied with optical tweezers. <i>Journal of Biomedical Optics</i> , 2012, 17, 025005.	1.4	20
65	The RING Finger Protein RNF8 Ubiquitinates Nbs1 to Promote DNA Double-strand Break Repair by Homologous Recombination. <i>Journal of Biological Chemistry</i> , 2012, 287, 43984-43994.	1.6	46
66	Rad50 Zinc Hook Is Important for the Mre11 Complex to Bind Chromosomal DNA Double-stranded Breaks and Initiate Various DNA Damage Responses. <i>Journal of Biological Chemistry</i> , 2012, 287, 31747-31756.	1.6	31
67	CtIP Protein Dimerization Is Critical for Its Recruitment to Chromosomal DNA Double-stranded Breaks. <i>Journal of Biological Chemistry</i> , 2012, 287, 21471-21480.	1.6	63
68	Directing growth cones of optic axons growing with laser scissors and laser tweezers. , 2012, , .		1
69	High-throughput optofluidic system for the laser microsurgery of oocytes. <i>Journal of Biomedical Optics</i> , 2012, 17, 015001.	1.4	7
70	Repair of damage and stimulation of growth cone response following laser induced sub-axotomy. <i>Proceedings of SPIE</i> , 2012, , .	0.8	1
71	A photon-driven micromotor can direct nerve fibre growth. <i>Nature Photonics</i> , 2012, 6, 62-67.	15.6	118
72	Organelle Size Equalization by a Constitutive Process. <i>Current Biology</i> , 2012, 22, 2173-2179.	1.8	39

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73	Condensin I Recruitment to Base Damage-Enriched DNA Lesions Is Modulated by PARP1. PLoS ONE, 2011, 6, e23548.	1.1	30
74	An interdisciplinary systems approach to study sperm physiology and evolution. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2011, 3, 36-47.	6.6	2
75	Optical tweezers and non-ratiometric fluorescent-dye-based studies of respiration in sperm mitochondria. Journal of Optics (United Kingdom), 2011, 13, 044010.	1.0	9
76	Chemosensory Ca ²⁺ Dynamics Correlate with Diverse Behavioral Phenotypes in Human Sperm. Journal of Biological Chemistry, 2011, 286, 17311-17325.	1.6	69
77	An Instruction on the In Vivo Shell-Less Chorioallantoic Membrane 3-Dimensional Tumor Spheroid Model. Cytotechnology, 2010, 62, 279-283.	0.7	12
78	A Novel Doxorubicin Prodrug with Controllable Photolysis Activation for Cancer Chemotherapy. Pharmaceutical Research, 2010, 27, 1848-1860.	1.7	92
79	Chromosome Tips Damaged in Anaphase Inhibit Cytokinesis. PLoS ONE, 2010, 5, e12398.	1.1	11
80	Analysis of DNA double-strand break response and chromatin structure in mitosis using laser microirradiation. Nucleic Acids Research, 2010, 38, e202-e202.	6.5	39
81	An Intact Centrosome Is Required for the Maintenance of Polarization during Directional Cell Migration. PLoS ONE, 2010, 5, e15462.	1.1	30
82	Applications of a new In vivo tumor spheroid based shell-less chorioallantoic membrane 3-D model in bioengineering research. Journal of Biomedical Science and Engineering, 2010, 03, 20-26.	0.2	7
83	Comparative analysis of different laser systems to study cellular responses to DNA damage in mammalian cells. Nucleic Acids Research, 2009, 37, e68-e68.	6.5	187
84	Double-strand DNA breaks recruit the centromeric histone CENP-A. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15762-15767.	3.3	134
85	Quantitative phase evaluation of dynamic changes on the cell membrane during laser microsurgery. , 2009, , .		1
86	A combined double-tweezers and wavelength-tunable laser nanosurgery microscope. Proceedings of SPIE, 2009, , .	0.8	0
87	Detection and monitoring of early airway injury effects of half-mustard (2-chloroethylethylsulfide) exposure using high-resolution optical coherence tomography. Journal of Biomedical Optics, 2009, 14, 044037.	1.4	6
88	Spatially sculpted laser scissors for study of DNA damage and repair. Journal of Biomedical Optics, 2009, 14, 054004.	1.4	4
89	Quantitative phase-contrast digital holographic microscopy for cell dynamic evaluation. , 2009, , .		0
90	Automatic annular laser trapping: a system for high-throughput sperm analysis and sorting. Journal of Biophotonics, 2009, 2, 167-177.	1.1	8

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91	CtIP Links DNA Double-Strand Break Sensing to Resection. <i>Molecular Cell</i> , 2009, 36, 954-969.	4.5	197
92	Digital Holography Enables Quantitative Phase Evaluation during Cellular Microsurgery. <i>Optics and Photonics News</i> , 2009, 20, 21.	0.4	0
93	Digital holographic microscopy for quantitative cell dynamic evaluation during laser microsurgery. <i>Optics Express</i> , 2009, 17, 12031.	1.7	84
94	An automatic system to study sperm motility and energetics. <i>Biomedical Microdevices</i> , 2008, 10, 573-583.	1.4	24
95	Comparison of glycolysis and oxidative phosphorylation as energy sources for mammalian sperm motility, using the combination of fluorescence imaging, laser tweezers, and real-time automated tracking and trapping. <i>Journal of Cellular Physiology</i> , 2008, 217, 745-751.	2.0	112
96	In-Depth Activation of Channelrhodopsin 2-Sensitized Excitable Cells with High Spatial Resolution Using Two-Photon Excitation with a Near-Infrared Laser Microbeam. <i>Biophysical Journal</i> , 2008, 95, 3916-3926.	0.2	77
97	Organization of microscale objects using a microfabricated optical fiber. <i>Optics Letters</i> , 2008, 33, 2155.	1.7	57
98	Single-Fiber Optical Tweezers for Cellular Micro-Manipulation. <i>Optics and Photonics News</i> , 2008, 19, 42.	0.4	5
99	The use of optical tweezers to study sperm competition and motility in primates. <i>Journal of the Royal Society Interface</i> , 2008, 5, 297-302.	1.5	63
100	Quantitative phase evaluation of dynamic changes on cell membrane during laser microsurgery. <i>Journal of Biomedical Optics</i> , 2008, 13, 050508.	1.4	23
101	Use of laser tweezers to analyze sperm motility and mitochondrial membrane potential. <i>Journal of Biomedical Optics</i> , 2008, 13, 014002.	1.4	21
102	Manipulation of mammalian cells using a single-fiber optical microbeam. <i>Journal of Biomedical Optics</i> , 2008, 13, 1.	1.4	62
103	Polarity reveals intrinsic cell chirality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 9296-9300.	3.3	136
104	Recruitment of DNA damage recognition and repair pathway proteins following near-IR femtosecond laser irradiation of cells. <i>Journal of Biomedical Optics</i> , 2007, 12, 020505.	1.4	20
105	Laser nanosurgery of single microtubules reveals location-dependent depolymerization rates. <i>Journal of Biomedical Optics</i> , 2007, 12, 024022.	1.4	31
106	Optical Tweezers: Tethers, Wavelengths, and Heat. <i>Methods in Cell Biology</i> , 2007, 82, 455-466.	0.5	6
107	Sergej Stepanovich Tschachotin: Experimental Cytologist and Political Critic (1883-1973). <i>Methods in Cell Biology</i> , 2007, 82, 723-734.	0.5	0
108	A History of Laser Scissors (Microbeams). <i>Methods in Cell Biology</i> , 2007, 82, 1-58.	0.5	27

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109	PEG-m-THPC-mediated Photodynamic Effects on Normal Rat Tissues. Photochemistry and Photobiology, 2007, 72, 696-700.	1.3	0
110	High-throughput sorting and analysis of human sperm with a ring-shaped laser trap. Biomedical Microdevices, 2007, 9, 361-369.	1.4	21
111	Annular laser trap: a tool for high-throughput sperm sorting and analysis. , 2007, , .		0
112	Real-time Sperm Tracking and Ring Trapping System. , 2007, , .		0
113	Analysis of Human and Chimpanzee Sperm Swimming Speed in Laser Trapping Experiments. , 2007, , .		0
114	"RoboLase": A robotic laser scissors and laser tweezers microscope. , 2006, , .		2
115	In Vivo Quantitative Studies of Dynamic Intracellular Processes Using Fluorescence Correlation Spectroscopy. Biophysical Journal, 2006, 91, 343-351.	0.2	28
116	Size tunable three-dimensional annular laser trap based on axicons. Optics Letters, 2006, 31, 3375.	1.7	19
117	Dynamically adjustable annular laser trapping based on axicons. Applied Optics, 2006, 45, 6421.	2.1	34
118	Micromanipulation of Chromosomes and the Mitotic Spindle Using Laser Microsurgery (Laser) Tj ETQq0 0 0 rgBT /Overlock 1Q Tf 50 382		
119	A real-time single sperm tracking, laser trapping, and ratiometric fluorescent imaging system. , 2006, , .		1
120	Modifications of protoporphyrin IX fluorescence during ALA-based photodynamic therapy of endometriosis. Medical Laser Application: International Journal for Laser Treatment and Research, 2006, 21, 291-297.	0.4	12
121	Real-time automated tracking and trapping system for sperm. Microscopy Research and Technique, 2006, 69, 894-902.	1.2	33
122	Computer-based tracking of single sperm. Journal of Biomedical Optics, 2006, 11, 054009.	1.4	39
123	Analysis of sperm motility using optical tweezers. Journal of Biomedical Optics, 2006, 11, 044001.	1.4	48
124	Monitoring sperm mitochondrial respiration response in a laser trap using ratiometric fluorescence. , 2005, 5930, 615.		1
125	Correlation of sperms' swimming force to their swimming speed assessed by optical tweezers. , 2005, , .		0
126	Visualizing the mechanical activation of Src. Nature, 2005, 434, 1040-1045.	13.7	632

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127	Internet-based robotic laser scissors and tweezers microscopy. <i>Microscopy Research and Technique</i> , 2005, 68, 65-74.	1.2	57
128	Axicon-based annular laser trap for studies on sperm activity. , 2005, , .		1
129	Fluorescence correlation spectroscopy investigation of a GFP mutant-enhanced cyan fluorescent protein and its tubulin fusion in living cells with two-photon excitation. <i>Journal of Biomedical Optics</i> , 2004, 9, 395.	1.4	37
130	A polarity dependent fluorescence "switch" in live cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2004, 75, 51-56.	1.7	31
131	Controlled Ablation of Microtubules Using a Picosecond Laser. <i>Biophysical Journal</i> , 2004, 87, 4203-4212.	0.2	96
132	Dynamics of Centromere and Kinetochores Proteins. <i>Current Biology</i> , 2004, 14, 942-952.	1.8	170
133	In vivo FCS measurements of ligand diffusion in intact tissues. , 2004, , .		6
134	Photodynamic parameters in the chick chorioallantoic membrane (CAM) bioassay for photosensitizers administered intraperitoneally (IP) into the chick embryo. <i>Photochemical and Photobiological Sciences</i> , 2002, 1, 721-728.	1.6	27
135	Photodynamic therapy of high-grade cervical intraepithelial neoplasia with 5-aminolevulinic acid. <i>Lasers in Surgery and Medicine</i> , 2002, 31, 289-293.	1.1	63
136	Laparoscopic Photodynamic Diagnosis of Ovarian Cancer Using 5-Aminolevulinic Acid in a Rat Model. <i>Gynecologic Oncology</i> , 2002, 87, 64-70.	0.6	34
137	Intravitreal VEGF and bFGF produce florid retinal neovascularization and hemorrhage in the rabbit. <i>Current Eye Research</i> , 2001, 22, 140-147.	0.7	56
138	Simple organ cornea culture model for re-epithelialization after in vitro excimer laser ablation. <i>Lasers in Surgery and Medicine</i> , 2001, 29, 288-292.	1.1	7
139	Fluorescence detection of cervical intraepithelial neoplasia for photodynamic therapy with the topical agents 5-aminolevulinic acid and benzoporphyrin-derivative monoacid ring. <i>American Journal of Obstetrics and Gynecology</i> , 2001, 184, 1164-1169.	0.7	24
140	Re-epithelialization in Cornea Organ Culture After Chemical Burns and Excimer Laser Treatment. <i>JAMA Ophthalmology</i> , 2001, 119, 1637.	2.6	18
141	Monitoring Tumor Response During Photodynamic Therapy Using Near-infrared Photon-migration Spectroscopy. <i>Photochemistry and Photobiology</i> , 2001, 73, 669.	1.3	41
142	Monitoring Tumor Response During Photodynamic Therapy Using Near-infrared Photon-migration Spectroscopy. <i>Photochemistry and Photobiology</i> , 2001, 73, 669-677.	1.3	3
143	Chromosomes are target sites for photodynamic therapy as demonstrated by subcellular laser microirradiation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2000, 54, 175-184.	1.7	6
144	Subcellular Phototoxicity of Photofrin-II and Lutetium Texaphyrin in Cells In Vitro. <i>Lasers in Medical Science</i> , 2000, 15, 109-122.	1.0	7

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145	Gene inactivation by multiphoton-targeted photochemistry. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 9504-9507.	3.3	32
146	PEG-m-THPC-mediated Photodynamic Effects on Normal Rat Tissues. Photochemistry and Photobiology, 2000, 72, 696.	1.3	19
147	Influence of optical properties on two-photon fluorescence imaging in turbid samples. Applied Optics, 2000, 39, 1194.	2.1	165
148	Reflectance measurements of layered media with diffuse photon-density waves: a potential tool for evaluating deep burns and subcutaneous lesions. Physics in Medicine and Biology, 1999, 44, 801-813.	1.6	65
149	Quantitative near-infrared spectroscopy of cervical dysplasia in vivo. Human Reproduction, 1999, 14, 2908-2916.	0.4	87
150	Photodynamic Therapy of the Rat Endometrium by Systemic and Topical Administration of Tin Ethyl Etiopurpurin. Journal of Gynecologic Surgery, 1999, 15, 71-80.	0.0	3
151	Systemic application of photosensitizers in the chick chorioallantoic membrane (CAM) model: photodynamic response of CAM vessels and 5-aminolevulinic acid uptake kinetics by transplantable tumors. Journal of Photochemistry and Photobiology B: Biology, 1999, 49, 41-49.	1.7	29
152	Photodynamic parameters in the chick chorioallantoic membrane (CAM) bioassay for topically applied photosensitizers. Journal of Photochemistry and Photobiology B: Biology, 1999, 53, 44-52.	1.7	37
153	Highly Selective Targeting of Ovarian Cancer with the Photosensitizer PEG-m-THPC in a Rat Model. Photochemistry and Photobiology, 1999, 70, 624-629.	1.3	35
154	Minimally-invasive debulking of ovarian cancer in the rat pelvis by means of photodynamic therapy using the pegylated photosensitizer PEG-m-THPC. British Journal of Cancer, 1999, 81, 631-637.	2.9	23
155	In vitro and in vivo photosensitizing capabilities of 5-ALA versus Photofrin $\frac{1}{2}$ in vascular endothelial cells. , 1999, 24, 178-186.		31
156	Photodynamic activity of lutetium-texaphyrin in a mouse tumor system. , 1999, 24, 276-284.		14
157	Scanning electron microscopy comparison of corneal epithelial removal techniques before photorefractive keratectomy. Journal of Cataract and Refractive Surgery, 1999, 25, 1093-1096.	0.7	25
158	Highly Selective Targeting of Ovarian Cancer with the Photosensitizer PEG-m-THPC in a Rat Model. Photochemistry and Photobiology, 1999, 70, 624.	1.3	2
159	Laser Scissors and Tweezers. Scientific American, 1998, 278, 62-67.	1.0	56
160	Subcellular phototoxicity of 5-aminolaevulinic acid (ALA). , 1998, 22, 14-24.		28
161	In vitro and in vivo comparison of argon-pumped and diode lasers for photodynamic therapy using second-generation photosensitizers. , 1998, 23, 274-280.		14
162	Free-Electron Laser (FEL) Ablation of Ocular Tissues. Lasers in Medical Science, 1998, 13, 219-226.	1.0	9

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163	Uptake of the photosensitizer benzoporphyrin derivative in human endometrium after topical application in vivo. <i>Journal of Minimally Invasive Gynecology</i> , 1998, 5, 367-374.	1.4	11
164	In vivo detection of metastatic ovarian cancer by means of 5-aminolevulinic acid-induced fluorescence in a rat model. <i>Journal of Minimally Invasive Gynecology</i> , 1998, 5, 141-148.	1.4	23
165	Laser [®] Micropipet Combination for Single-Cell Analysis. <i>Analytical Chemistry</i> , 1998, 70, 4570-4577.	3.2	132
166	Multiphoton fluorescence excitation in continuous-wave infrared optical traps. <i>Applied Optics</i> , 1998, 37, 2766.	2.1	8
167	<title>Cell permeabilization and molecular transport by laser microirradiation</title>. , 1998, 3260, 38.		22
168	Effect of Lung Volume Reduction Surgery in a Rabbit Model of Bullous Lung Disease. <i>Journal of Investigative Surgery</i> , 1998, 11, 281-288.	0.6	1
169	An Animal Model for Lung Volume Reduction Therapy of Pulmonary Emphysema. <i>Journal of Investigative Surgery</i> , 1998, 11, 129-137.	0.6	9
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171	<title>Mapping the polarity and stimulus density requirements for T-cell activation</title>. , 1998, , .		0
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