

Christopher H Contag

List of Publications by Year in descending order

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324
papers

22,973
citations

8749

75
h-index

10152

140
g-index

338
all docs

338
docs citations

338
times ranked

23851
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Advances in In Vivo Bioluminescence Imaging of Gene Expression. Annual Review of Biomedical Engineering, 2002, 4, 235-260. | 5.7 | 876 |
| 2 | Adipose-derived adult stromal cells heal critical-size mouse calvarial defects. Nature Biotechnology, 2004, 22, 560-567. | 9.4 | 842 |
| 3 | MYC inactivation uncovers pluripotent differentiation and tumour dormancy in hepatocellular cancer. Nature, 2004, 431, 1112-1117. | 13.7 | 796 |
| 4 | Bioluminescent indicators in living mammals. Nature Medicine, 1998, 4, 245-247. | 15.2 | 534 |
| 5 | Visualizing Gene Expression in Living Mammals Using a Bioluminescent Reporter. Photochemistry and Photobiology, 1997, 66, 523-531. | 1.3 | 527 |
| 6 | Photonic detection of bacterial pathogens in living hosts. Molecular Microbiology, 1995, 18, 593-603. | 1.2 | 524 |
| 7 | Inhibition of CD4+CD25+ regulatory T-cell function by calcineurin-dependent interleukin-2 production. Blood, 2006, 108, 390-399. | 0.6 | 467 |
| 8 | Detection of colonic dysplasia in vivo using a targeted heptapeptide and confocal microendoscopy. Nature Medicine, 2008, 14, 454-458. | 15.2 | 444 |
| 9 | Rapid and Quantitative Assessment of Cancer Treatment Response Using In Vivo Bioluminescence Imaging. Neoplasia, 2000, 2, 491-495. | 2.3 | 422 |
| 10 | Cancer stem cells from human breast tumors are involved in spontaneous metastases in orthotopic mouse models. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18115-18120. | 3.3 | 408 |
| 11 | Differential fates of biomolecules delivered to target cells via extracellular vesicles. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1433-42. | 3.3 | 378 |
| 12 | Visualizing the kinetics of tumor-cell clearance in living animals. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 12044-12049. | 3.3 | 357 |
| 13 | Use of Reporter Genes for Optical Measurements of Neoplastic Disease In Vivo. Neoplasia, 2000, 2, 41-52. | 2.3 | 337 |
| 14 | In vivo analyses of early events in acute graft-versus-host disease reveal sequential infiltration of T-cell subsets. Blood, 2005, 106, 1113-1122. | 0.6 | 330 |
| 15 | Shifting foci of hematopoiesis during reconstitution from single stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 221-226. | 3.3 | 323 |
| 16 | Revealing lymphoma growth and the efficacy of immune cell therapies using in vivo bioluminescence imaging. Blood, 2003, 101, 640-648. | 0.6 | 302 |
| 17 | Emission spectra of bioluminescent reporters and interaction with mammalian tissue determine the sensitivity of detection in vivo. Journal of Biomedical Optics, 2005, 10, 041210. | 1.4 | 282 |
| 18 | A Raman-based endoscopic strategy for multiplexed molecular imaging. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2288-97. | 3.3 | 268 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | It's not just about anatomy: In vivo bioluminescence imaging as an eyepiece into biology. <i>Journal of Magnetic Resonance Imaging</i> , 2002, 16, 378-387. | 1.9 | 266 |
| 20 | Extracellular Replication of <i>Listeria monocytogenes</i> in the Murine Gall Bladder. <i>Science</i> , 2004, 303, 851-853. | 6.0 | 246 |
| 21 | Synergistic Antitumor Effects of Immune Cell-Viral Biotherapy. <i>Science</i> , 2006, 311, 1780-1784. | 6.0 | 243 |
| 22 | Guided by the light: visualizing biomolecular processes in living animals with bioluminescence. <i>Current Opinion in Chemical Biology</i> , 2010, 14, 80-89. | 2.8 | 227 |
| 23 | Noninvasive Assessment of Tumor Cell Proliferation in Animal Models. <i>Neoplasia</i> , 1999, 1, 303-310. | 2.3 | 224 |
| 24 | Overcoming multidrug resistance of small-molecule therapeutics through conjugation with releasable octaarginine transporters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12128-12133. | 3.3 | 220 |
| 25 | In vivo imaging of engrafted neural stem cells: its application in evaluating the optimal timing of transplantation for spinal cord injury. <i>FASEB Journal</i> , 2005, 19, 1839-1841. | 0.2 | 213 |
| 26 | Animal models of bone metastasis. <i>Cancer</i> , 2003, 97, 748-757. | 2.0 | 209 |
| 27 | In vivo dynamics of regulatory T-cell trafficking and survival predict effective strategies to control graft-versus-host disease following allogeneic transplantation. <i>Blood</i> , 2007, 109, 2649-2656. | 0.6 | 209 |
| 28 | Charge-altering releasable transporters (CARTs) for the delivery and release of mRNA in living animals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E448-E456. | 3.3 | 207 |
| 29 | Trafficking Mesenchymal Stem Cell Engraftment and Differentiation in Tumor-Bearing Mice by Bioluminescence Imaging. <i>Stem Cells</i> , 2009, 27, 1548-1558. | 1.4 | 206 |
| 30 | Rapid Control of Wound Infections by Targeted Photodynamic Therapy Monitored by In Vivo Bioluminescence Imaging. <i>Photochemistry and Photobiology</i> , 2002, 75, 51. | 1.3 | 203 |
| 31 | Comparison of Different Adult Stem Cell Types for Treatment of Myocardial Ischemia. <i>Circulation</i> , 2008, 118, S121-9. | 1.6 | 196 |
| 32 | Non-invasive intravital imaging of cellular differentiation with a bright red-excitable fluorescent protein. <i>Nature Methods</i> , 2014, 11, 572-578. | 9.0 | 196 |
| 33 | In vivo bioluminescence imaging for integrated studies of infection. <i>Cellular Microbiology</i> , 2004, 6, 303-317. | 1.1 | 190 |
| 34 | Adoptive Immunotherapy of Experimental Autoimmune Encephalomyelitis Via T Cell Delivery of the IL-12 p40 Subunit. <i>Journal of Immunology</i> , 2001, 167, 2379-2387. | 0.4 | 185 |
| 35 | In vivo imaging using bioluminescence: a tool for probing graft-versus-host disease. <i>Nature Reviews Immunology</i> , 2006, 6, 484-490. | 10.6 | 172 |
| 36 | Antigen-specific T cell-mediated gene therapy in collagen-induced arthritis. <i>Journal of Clinical Investigation</i> , 2001, 107, 1293-1301. | 3.9 | 171 |

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|----|--|------|-----------|
| 37 | Bone Morphogenetic Protein 2 and Retinoic Acid Accelerate in Vivo Bone Formation, Osteoclast Recruitment, and Bone Turnover. <i>Tissue Engineering</i> , 2005, 11, 645-658. | 4.9 | 168 |
| 38 | In Utero Delivery of Adeno-Associated Viral Vectors: Intraperitoneal Gene Transfer Produces Long-Term Expression. <i>Molecular Therapy</i> , 2001, 3, 284-292. | 3.7 | 163 |
| 39 | Optical Monitoring and Treatment of Potentially Lethal Wound Infections In Vivo. <i>Journal of Infectious Diseases</i> , 2003, 187, 1717-1726. | 1.9 | 161 |
| 40 | Bioluminescence imaging of lymphocyte trafficking in vivo. <i>Experimental Hematology</i> , 2001, 29, 1353-1360. | 0.2 | 146 |
| 41 | Dual-axis confocal microscope for high-resolution in vivo imaging. <i>Optics Letters</i> , 2003, 28, 414. | 1.7 | 146 |
| 42 | Releasable Luciferin ⁺ Transporter Conjugates: Tools for the Real-Time Analysis of Cellular Uptake and Release. <i>Journal of the American Chemical Society</i> , 2006, 128, 6526-6527. | 6.6 | 136 |
| 43 | Molecular Imaging of Bone Marrow Mononuclear Cell Homing and Engraftment in Ischemic Myocardium. <i>Stem Cells</i> , 2007, 25, 2677-2684. | 1.4 | 133 |
| 44 | Chemical control of protein stability and function in living mice. <i>Nature Medicine</i> , 2008, 14, 1123-1127. | 15.2 | 133 |
| 45 | Mast Cell-Derived TNF Can Exacerbate Mortality during Severe Bacterial Infections in C57BL/6-Kit Mice. <i>American Journal of Pathology</i> , 2010, 176, 926-938. | 1.9 | 131 |
| 46 | Quantifying Cell-Surface Biomarker Expression in Thick Tissues with Ratiometric Three-Dimensional Microscopy. <i>Biophysical Journal</i> , 2009, 96, 2405-2414. | 0.2 | 125 |
| 47 | <i>In Vivo</i> Sustained Release of siRNA from Solid Lipid Nanoparticles. <i>ACS Nano</i> , 2011, 5, 9977-9983. | 7.3 | 120 |
| 48 | Integrated studies of biology: multiplexed imaging assays from molecules to man and back. <i>Current Opinion in Biotechnology</i> , 2009, 20, 1-3. | 3.3 | 119 |
| 49 | Functional Imaging of Colonic Mucosa With a Fibered Confocal Microscope for Real-Time In Vivo Pathology. <i>Clinical Gastroenterology and Hepatology</i> , 2007, 5, 1300-1305. | 2.4 | 116 |
| 50 | Comparison of Transplantation of Adipose Tissue- and Bone Marrow-Derived Mesenchymal Stem Cells in the Infarcted Heart. <i>Transplantation</i> , 2009, 87, 642-652. | 0.5 | 116 |
| 51 | Enhanced Killing of Primary Ovarian Cancer by Retargeting Autologous Cytokine-Induced Killer Cells with Bispecific Antibodies: A Preclinical Study. <i>Clinical Cancer Research</i> , 2006, 12, 1859-1867. | 3.2 | 114 |
| 52 | Hemin-activated macrophages home to the pancreas and protect from acute pancreatitis via heme oxygenase-1 induction. <i>Journal of Clinical Investigation</i> , 2005, 115, 3007-3014. | 3.9 | 113 |
| 53 | Rapid in vivo functional analysis of transgenes in mice using whole body imaging of luciferase expression. <i>Transgenic Research</i> , 2001, 10, 423-434. | 1.3 | 112 |
| 54 | Non-damaging Retinal Phototherapy: Dynamic Range of Heat Shock Protein Expression. , 2011, 52, 1780. | | 112 |

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|----|--|-----|-----------|
| 55 | Prevention of acute graft-versus-host disease by blocking T-cell entry to secondary lymphoid organs. <i>Blood</i> , 2008, 111, 2919-2928. | 0.6 | 110 |
| 56 | Luciferin Derivatives for Enhanced in Vitro and in Vivo Bioluminescence Assays. <i>Biochemistry</i> , 2006, 45, 11103-11112. | 1.2 | 109 |
| 57 | p47 ^{phox} Deficiency Impairs NF- κ B Activation and Host Defense in <i>Pseudomonas</i> Pneumonia. <i>Journal of Immunology</i> , 2004, 172, 1801-1808. | 0.4 | 107 |
| 58 | Characterization of Coelenterazine Analogs for Measurements of <i>Renilla</i> Luciferase Activity in Live Cells and Living Animals. <i>Molecular Imaging</i> , 2004, 3, 43-54. | 0.7 | 106 |
| 59 | A Real-Time Clinical Endoscopic System for Intraluminal, Multiplexed Imaging of Surface-Enhanced Raman Scattering Nanoparticles. <i>PLoS ONE</i> , 2015, 10, e0123185. | 1.1 | 106 |
| 60 | Atherosclerotic Plaque Targeting Mechanism of Long-Circulating Nanoparticles Established by Multimodal Imaging. <i>ACS Nano</i> , 2015, 9, 1837-1847. | 7.3 | 105 |
| 61 | Stability Study of Unmodified siRNA and Relevance to Clinical Use. <i>Oligonucleotides</i> , 2008, 18, 345-354. | 2.7 | 104 |
| 62 | Global Analysis of Smad2/3-Dependent TGF- β 2 Signaling in Living Mice Reveals Prominent Tissue-Specific Responses to Injury. <i>Journal of Immunology</i> , 2005, 175, 547-554. | 0.4 | 103 |
| 63 | Myeloid progenitors protect against invasive aspergillosis and <i>Pseudomonas aeruginosa</i> infection following hematopoietic stem cell transplantation. <i>Blood</i> , 2002, 100, 4660-4667. | 0.6 | 102 |
| 64 | Miniature near-infrared dual-axes confocal microscope utilizing a two-dimensional microelectromechanical systems scanner. <i>Optics Letters</i> , 2007, 32, 256. | 1.7 | 101 |
| 65 | Single-Nucleotide-Specific siRNA Targeting in a Dominant-Negative Skin Model. <i>Journal of Investigative Dermatology</i> , 2008, 128, 594-605. | 0.3 | 99 |
| 66 | Gene silencing following siRNA delivery to skin via coated steel microneedles: In vitro and in vivo proof-of-concept. <i>Journal of Controlled Release</i> , 2013, 166, 211-219. | 4.8 | 98 |
| 67 | Signaling by Extracellular Vesicles Advances Cancer Hallmarks. <i>Trends in Cancer</i> , 2016, 2, 84-94. | 3.8 | 97 |
| 68 | Efficacy of Antimicrobial Peptoids against <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 3058-3062. | 1.4 | 93 |
| 69 | Breast Cancer Cell Colonization of the Human Bone Marrow Adipose Tissue Niche. <i>Neoplasia</i> , 2015, 17, 849-861. | 2.3 | 91 |
| 70 | Molecular Imaging Using Labeled Donor Tissues Reveals Patterns of Engraftment, Rejection, and Survival in Transplantation. <i>Transplantation</i> , 2005, 80, 134-139. | 0.5 | 90 |
| 71 | Detection of endogenous biomolecules in Barrett's esophagus by Fourier transform infrared spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 15864-15869. | 3.3 | 88 |
| 72 | Design and evaluation of a variable aperture collimator for conformal radiotherapy of small animals using a microCT scanner. <i>Medical Physics</i> , 2007, 34, 4359-4367. | 1.6 | 85 |

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|----|--|-----|-----------|
| 73 | Neutrophil myeloperoxidase diminishes the toxic effects and mortality induced by lipopolysaccharide. <i>Journal of Experimental Medicine</i> , 2017, 214, 1249-1258. | 4.2 | 84 |
| 74 | Real-time analysis of uptake and bioactivatable cleavage of luciferin-transporter conjugates in transgenic reporter mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 10340-10345. | 3.3 | 82 |
| 75 | In Vivo Pathology: Seeing with Molecular Specificity and Cellular Resolution in the Living Body. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2007, 2, 277-305. | 9.6 | 79 |
| 76 | Three-dimensional in vivo imaging by a handheld dual-axes confocal microscope. <i>Optics Express</i> , 2008, 16, 7224. | 1.7 | 79 |
| 77 | Specific Imaging of Bacterial Infection Using ^{18}F -Fluoromaltotriose: A Second-Generation PET Tracer Targeting the Maltodextrin Transporter in Bacteria. <i>Journal of Nuclear Medicine</i> , 2017, 58, 1679-1684. | 2.8 | 79 |
| 78 | A potent and specific morpholino antisense inhibitor of hepatitis C translation in mice. <i>Hepatology</i> , 2003, 38, 503-508. | 3.6 | 78 |
| 79 | Induced Biliary Excretion of <i>Listeria monocytogenes</i> . <i>Infection and Immunity</i> , 2006, 74, 1819-1827. | 1.0 | 77 |
| 80 | Silencing of Reporter Gene Expression in Skin Using siRNAs and Expression of Plasmid DNA Delivered by a Soluble Protrusion Array Device (PAD). <i>Molecular Therapy</i> , 2010, 18, 1667-1674. | 3.7 | 76 |
| 81 | Evaluation of effector cell fate and function by in vivo bioluminescence imaging. <i>Methods</i> , 2003, 31, 172-179. | 1.9 | 75 |
| 82 | In vivo near-infrared dual-axis confocal microendoscopy in the human lower gastrointestinal tract. <i>Journal of Biomedical Optics</i> , 2012, 17, 1. | 1.4 | 75 |
| 83 | Enhancing Poxvirus Oncolytic Effects through Increased Spread and Immune Evasion. <i>Cancer Research</i> , 2008, 68, 2071-2075. | 0.4 | 74 |
| 84 | Regulatory Aspects of Optical Methods and Exogenous Targets for Cancer Detection. <i>Cancer Research</i> , 2017, 77, 2197-2206. | 0.4 | 74 |
| 85 | Ceria-based nanotheranostic agent for rheumatoid arthritis. <i>Theranostics</i> , 2020, 10, 11863-11880. | 4.6 | 74 |
| 86 | Early CD30 signaling is critical for adoptively transferred CD4+CD25+ regulatory T cells in prevention of acute graft-versus-host disease. <i>Blood</i> , 2007, 109, 2225-2233. | 0.6 | 72 |
| 87 | Fiber-optic probes enable cancer detection with FTIR spectroscopy. <i>Trends in Biotechnology</i> , 2010, 28, 317-323. | 4.9 | 72 |
| 88 | In Vivo Micro-Image Mosaicing. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 159-171. | 2.5 | 72 |
| 89 | Small Hairpin RNAs Efficiently Inhibit Hepatitis C IRES-Mediated Gene Expression in Human Tissue Culture Cells and a Mouse Model. <i>Molecular Therapy</i> , 2005, 12, 562-568. | 3.7 | 71 |
| 90 | Stem cell-mediated accelerated bone healing observed with in vivo molecular and small animal imaging technologies in a model of skeletal injury. <i>Journal of Orthopaedic Research</i> , 2009, 27, 295-302. | 1.2 | 71 |

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|-----|---|-----|-----------|
| 91 | Advancing Molecular Therapies through In Vivo Bioluminescent Imaging. <i>Molecular Imaging</i> , 2003, 2, 75-86. | 0.7 | 71 |
| 92 | Real-Time Monitoring of Escherichia coli O157:H7 Adherence to Beef Carcass Surface Tissues with a Bioluminescent Reporter. <i>Applied and Environmental Microbiology</i> , 1999, 65, 1738-1745. | 1.4 | 70 |
| 93 | Advances in contrast agents, reporters, and detection. <i>Journal of Biomedical Optics</i> , 2001, 6, 106. | 1.4 | 68 |
| 94 | Gene Transfer via Reversible Plasmid Condensation with Cysteine-Flanked, Internally Spaced Arginine-Rich Peptides. <i>Human Gene Therapy</i> , 2003, 14, 1225-1233. | 1.4 | 66 |
| 95 | Intracellular Cargo Delivery by an Octaarginine Transporter Adapted to Target Prostate Cancer Cells through Cell Surface Protease Activation. <i>Bioconjugate Chemistry</i> , 2006, 17, 787-796. | 1.8 | 65 |
| 96 | Micromirror-scanned dual-axis confocal microscope utilizing a gradient-index relay lens for image guidance during brain surgery. <i>Journal of Biomedical Optics</i> , 2010, 15, 026029. | 1.4 | 65 |
| 97 | Confocal fluorescence microscope with dual-axis architecture and biaxial postobjective scanning. <i>Journal of Biomedical Optics</i> , 2004, 9, 735. | 1.4 | 64 |
| 98 | Sustained Release of Drugs Dispersed in Polymer Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7880-7882. | 7.2 | 64 |
| 99 | Development of Therapeutic siRNAs for Pachyonychia Congenita. <i>Journal of Investigative Dermatology</i> , 2008, 128, 50-58. | 0.3 | 64 |
| 100 | Dual-axes confocal microscopy with post-objective scanning and low-coherence heterodyne detection. <i>Optics Letters</i> , 2003, 28, 1915. | 1.7 | 63 |
| 101 | Understanding immune cell trafficking patterns via in vivo bioluminescence imaging. <i>Journal of Cellular Biochemistry</i> , 2002, 87, 239-248. | 1.2 | 62 |
| 102 | Development of an optimized activatable MMP-14 targeted SPECT imaging probe. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 653-659. | 1.4 | 61 |
| 103 | Monitoring Age-Related Susceptibility of Young Mice To Oral Salmonella enterica Serovar Typhimurium Infection Using an In Vivo Murine Model. <i>Pediatric Research</i> , 2005, 58, 153-158. | 1.1 | 59 |
| 104 | High-sensitivity, real-time, ratiometric imaging of surface-enhanced Raman scattering nanoparticles with a clinically translatable Raman endoscope device. <i>Journal of Biomedical Optics</i> , 2013, 18, 1. | 1.4 | 58 |
| 105 | Lymphoid tissue-specific homing of bone marrow-derived dendritic cells. <i>Blood</i> , 2009, 113, 6638-6647. | 0.6 | 57 |
| 106 | Imaging brain structure and function, infection and gene expression in the body using light. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1997, 352, 755-761. | 1.8 | 55 |
| 107 | A genetic reporter of thermal stress defines physiologic zones over a defined temperature range. <i>FASEB Journal</i> , 2004, 18, 264-271. | 0.2 | 55 |
| 108 | Microvesicle-Mediated Delivery of Minicircle DNA Results in Effective Gene-Directed Enzyme Prodrug Cancer Therapy. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 2331-2342. | 1.9 | 54 |

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|-----|---|-----|-----------|
| 109 | Magnetic Particle Imaging of Macrophages Associated with Cancer: Filling the Voids Left by Iron-Based Magnetic Resonance Imaging. <i>Molecular Imaging and Biology</i> , 2020, 22, 958-968. | 1.3 | 54 |
| 110 | Multi-modality Imaging Identifies Key Times for Annexin V Imaging as an Early Predictor of Therapeutic Outcome. <i>Molecular Imaging</i> , 2004, 3, 1-8. | 0.7 | 54 |
| 111 | Biodegradable Implantable Sensors: Materials Design, Fabrication, and Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2104149. | 7.8 | 53 |
| 112 | Efficient rejection of scattered light enables deep optical sectioning in turbid media with low-numerical-aperture optics in a dual-axis confocal architecture. <i>Journal of Biomedical Optics</i> , 2008, 13, 034020. | 1.4 | 52 |
| 113 | Heme oxygenase-1 deficiency leads to disrupted response to acute stress in stem cells and progenitors. <i>Blood</i> , 2008, 112, 4494-4502. | 0.6 | 52 |
| 114 | Magnetic particle imaging of islet transplantation in the liver and under the kidney capsule in mouse models. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018, 8, 114-122. | 1.1 | 52 |
| 115 | Treatment of Autoimmune Disease by Adoptive Cellular Gene Therapy. <i>Annals of the New York Academy of Sciences</i> , 2003, 998, 512-519. | 1.8 | 51 |
| 116 | Dual-axes confocal reflectance microscope for distinguishing colonic neoplasia. <i>Journal of Biomedical Optics</i> , 2006, 11, 054019. | 1.4 | 51 |
| 117 | IL-12 enhances efficacy and shortens enrichment time in cytokine-induced killer cell immunotherapy. <i>Cancer Immunology, Immunotherapy</i> , 2010, 59, 1325-1334. | 2.0 | 51 |
| 118 | Assessment of Cellular Response to Thermal Laser Injury Through Bioluminescence Imaging of Heat Shock Protein 70. <i>Photochemistry and Photobiology</i> , 2004, 79, 76-85. | 1.3 | 50 |
| 119 | Breast Milk Shedding of Drug-Resistant HIV-1 Subtype C in Women Exposed to Single-Dose Nevirapine. <i>Journal of Infectious Diseases</i> , 2005, 192, 1260-1264. | 1.9 | 50 |
| 120 | Selection of potential therapeutics based on in vivo spatiotemporal transcription patterns of heme oxygenase-1. <i>Journal of Molecular Medicine</i> , 2002, 80, 655-664. | 1.7 | 49 |
| 121 | New enzyme for reductive cancer chemotherapy, YieF, and its improvement by directed evolution. <i>Molecular Cancer Therapeutics</i> , 2006, 5, 97-103. | 1.9 | 49 |
| 122 | Biodegradable Nanoparticles With Sustained Release of Functional siRNA in Skin. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 4261-4266. | 1.6 | 49 |
| 123 | Longitudinal, Noninvasive Imaging of T-Cell Effector Function and Proliferation in Living Subjects. <i>Cancer Research</i> , 2010, 70, 10141-10149. | 0.4 | 49 |
| 124 | Selective Intratumoral Amplification of an Antiangiogenic Vector by an Oncolytic Virus Produces Enhanced Antivascular and Anti-tumor Efficacy. <i>Molecular Therapy</i> , 2006, 13, 938-946. | 3.7 | 47 |
| 125 | siRNA silencing of keratinocyte-specific GFP expression in a transgenic mouse skin model. <i>Gene Therapy</i> , 2009, 16, 963-972. | 2.3 | 47 |
| 126 | Targeting Localized Immune Suppression Within the Tumor Through Repeat Cycles of Immune Cell-oncolytic Virus Combination Therapy. <i>Molecular Therapy</i> , 2010, 18, 1698-1705. | 3.7 | 46 |

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|-----|---|-----|-----------|
| 127 | Retroviral Gene Therapy of Collagen-Induced Arthritis by Local Delivery of IL-4. <i>Clinical Immunology</i> , 2002, 105, 304-314. | 1.4 | 45 |
| 128 | Intracellular biomass flocculation as a key mechanism of rapid bacterial killing by cationic, amphipathic antimicrobial peptides and peptoids. <i>Scientific Reports</i> , 2017, 7, 16718. | 1.6 | 45 |
| 129 | Fibered Confocal Microscopy of Bladder Tumors: An <i>ex Vivo</i> Study. <i>Journal of Endourology</i> , 2009, 23, 197-202. | 1.1 | 44 |
| 130 | Point-of-Care Pathology with Miniature Microscopes. <i>Analytical Cellular Pathology</i> , 2011, 34, 81-98. | 0.7 | 44 |
| 131 | Use of Self-Delivery siRNAs to Inhibit Gene Expression in an Organotypic Pachyonychia Congenita Model. <i>Journal of Investigative Dermatology</i> , 2011, 131, 1037-1044. | 0.3 | 43 |
| 132 | In vivo analysis of heat-shock-protein-70 induction following pulsed laser irradiation in a transgenic reporter mouse. <i>Journal of Biomedical Optics</i> , 2008, 13, 030501. | 1.4 | 42 |
| 133 | Timing of Bone Marrow Cell Delivery Has Minimal Effects on Cell Viability and Cardiac Recovery After Myocardial Infarction. <i>Circulation: Cardiovascular Imaging</i> , 2010, 3, 77-85. | 1.3 | 42 |
| 134 | Femtosecond plasma mediated laser ablation has advantages over mechanical osteotomy of cranial bone. <i>Lasers in Surgery and Medicine</i> , 2012, 44, 805-814. | 1.1 | 42 |
| 135 | Assessment of Cellular Response to Thermal Laser Injury Through Bioluminescence Imaging of Heat Shock Protein 70. <i>Photochemistry and Photobiology</i> , 2004, 79, 76. | 1.3 | 41 |
| 136 | Regulation of Intestine-specific Spatiotemporal Expression by the Rat Lactase Promoter. <i>Journal of Biological Chemistry</i> , 2002, 277, 13099-13105. | 1.6 | 40 |
| 137 | Visualizing cellular interactions with a generalized proximity reporter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8567-8572. | 3.3 | 40 |
| 138 | Detection of Premalignant Gastrointestinal Lesions Using Surface-Enhanced Resonance Raman Scattering—Nanoparticle Endoscopy. <i>ACS Nano</i> , 2019, 13, 1354-1364. | 7.3 | 40 |
| 139 | Tumor imaging using a standardized radiolabeled adapter protein docked to vascular endothelial growth factor. <i>Journal of Nuclear Medicine</i> , 2004, 45, 1373-80. | 2.8 | 40 |
| 140 | Comparison of gene expression after intraperitoneal delivery of AAV2 or AAV5 in utero. <i>Molecular Therapy</i> , 2003, 8, 90-98. | 3.7 | 39 |
| 141 | Ex Vivo Expanded Dendritic Cells Home to T-Cell Zones of Lymphoid Organs and Survive in Vivo after Allogeneic Bone Marrow Transplantation. <i>American Journal of Pathology</i> , 2005, 167, 1321-1331. | 1.9 | 39 |
| 142 | 3-D Near-Infrared Fluorescence Imaging Using an MEMS-Based Miniature Dual-Axis Confocal Microscope. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2009, 15, 1344-1350. | 1.9 | 39 |
| 143 | Visualization of effective tumor targeting by CD8+ natural killer T cells redirected with bispecific antibody F(ab')(2)HER2xCD3. <i>Cancer Research</i> , 2002, 62, 5785-91. | 0.4 | 39 |
| 144 | CNOB/ChrR6, a new prodrug enzyme cancer chemotherapy. <i>Molecular Cancer Therapeutics</i> , 2009, 8, 333-341. | 1.9 | 38 |

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|-----|--|-----|-----------|
| 145 | Generic and Personalized RNAi-Based Therapeutics for a Dominant-Negative Epidermal Fragility Disorder. <i>Journal of Investigative Dermatology</i> , 2012, 132, 1627-1635. | 0.3 | 38 |
| 146 | A protease-activated, near-infrared fluorescent probe for early endoscopic detection of premalignant gastrointestinal lesions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 38 |
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