# Hisataka Kobayashi

## List of Publications by Year in descending order

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|---|---|---|---|
| 291 papers | 23,637 citations | 8755 75 h-index | 9345 143 g-index |
| 296 all docs | 296 docs citations | 296 times ranked | 22160 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | New Strategies for Fluorescent Probe Design in Medical Diagnostic Imaging. Chemical Reviews, 2010, 110, 2620-2640. | 47.7 | 1,927 |
| 2 | Clearance properties of nano-sized particles and molecules as imaging agents: considerations and caveats. Nanomedicine, 2008, 3, 703-717. | 3.3 | 1,691 |
| 3 | Cancer cellâ€“selective in vivo near infrared photoimmunotherapy targeting specific membrane molecules. Nature Medicine, 2011, 17, 1685-1691. | 30.7 | 851 |
| 4 | Improving Conventional Enhanced Permeability and Retention (EPR) Effects; What Is the Appropriate Target?. Theranostics, 2014, 4, 81-89. | 10.0 | 792 |
| 5 | Selective molecular imaging of viable cancer cells with pH-activatable fluorescence probes. Nature Medicine, 2009, 15, 104-109. | 30.7 | 742 |
| 6 | Nanodrug Delivery: Is the Enhanced Permeability and Retention Effect Sufficient for Curing Cancer?. Bioconjugate Chemistry, 2016, 27, 2225-2238. | 3.6 | 726 |
| 7 | Nano-sized MRI contrast agents with dendrimer cores. Advanced Drug Delivery Reviews, 2005, 57, 2271-2286. | 13.7 | 420 |
| 8 | Rapid Cancer Detection by Topically Spraying a Î³-Glutamyltranspeptidaseâ€“Activated Fluorescent Probe. Science Translational Medicine, 2011, 3, 110ra119. | 12.4 | 404 |
| 9 | Toxicity of Organic Fluorophores Used in Molecular Imaging: Literature Review. Molecular Imaging, 2009, 8, 7290.2009.00031. | 1.4 | 358 |
| 10 | Target-Cancer-Cell-Specific Activatable Fluorescence Imaging Probes: Rational Design and in Vivo Applications. Accounts of Chemical Research, 2011, 44, 83-90. | 15.6 | 353 |
| 11 | Sensitive Î²-galactosidase-targeting fluorescence probe for visualizing small peritoneal metastatic tumours in vivo. Nature Communications, 2015, 6, 6463. | 12.8 | 334 |
| 12 | Simultaneous Multicolor Imaging of Five Different Lymphatic Basins Using Quantum Dots. Nano Letters, 2007, 7, 1711-1716. | 9.1 | 320 |
| 13 | In vivo Molecular Imaging of Cancer with a Quenching Near-Infrared Fluorescent Probe Using Conjugates of Monoclonal Antibodies and Indocyanine Green. Cancer Research, 2009, 69, 1268-1272. | 0.9 | 306 |
| 14 | Near-Infrared Photoimmunotherapy of Cancer. Accounts of Chemical Research, 2019, 52, 2332-2339. | 15.6 | 286 |
| 15 | Dendrimer-Based Nanoprobe for Dual Modality Magnetic Resonance and Fluorescence Imaging. Nano Letters, 2006, 6, 1459-1463. | 9.1 | 259 |
| 16 | Macromolecular MRI Contrast Agents with Small Dendrimers:â€‰ Pharmacokinetic Differences between Sizes and Cores. Bioconjugate Chemistry, 2003, 14, 388-394. | 3.6 | 254 |
| 17 | Fluorescence-Guided Surgery. Frontiers in Oncology, 2017, 7, 314. | 2.8 | 249 |
| 18 | Markedly Enhanced Permeability and Retention Effects Induced by Photo-immunotherapy of Tumors. ACS Nano, 2013, 7, 717-724. | 14.6 | 237 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Rational chemical design of the next generation of molecular imaging probes based on physics and biology: mixing modalities, colors and signals. Chemical Society Reviews, 2011, 40, 4626. | 38.1 | 198 |
| 20 | Multimodal Nanoprobes for Radionuclide and Five-Color Near-Infrared Optical Lymphatic Imaging. ACS Nano, 2007, 1, 258-264. | 14.6 | 183 |
| 21 | Immunogenic cancer cell death selectively induced by near infrared photoimmunotherapy initiates host tumor immunity. Oncotarget, 2017, 8, 10425-10436. | 1.8 | 179 |
| 22 | Photoinduced Ligand Release from a Silicon Phthalocyanine Dye Conjugated with Monoclonal Antibodies: A Mechanism of Cancer Cell Cytotoxicity after Near-Infrared Photoimmunotherapy. ACS Central Science, 2018, 4, 1559-1569. | 11.3 | 171 |
| 23 | H-Type Dimer Formation of Fluorophores: A Mechanism for Activatable, in Vivo Optical Molecular Imaging. ACS Chemical Biology, 2009, 4, 535-546. | 3.4 | 167 |
| 24 | Spatially selective depletion of tumor-associated regulatory T cells with near-infrared photoimmunotherapy. Science Translational Medicine, 2016, 8, 352ra110. | 12.4 | 163 |
| 25 | An Enzymatically Activated Fluorescence Probe for Targeted Tumor Imaging. Journal of the American Chemical Society, 2007, 129, 3918-3929. | 13.7 | 161 |
| 26 | Dendrimer-based Macromolecular MRI Contrast Agents: Characteristics and Application. Molecular Imaging, 2003, 2, 1-10. | 1.4 | 160 |
| 27 | Lymphatic Drainage Imaging of Breast Cancer in Mice by Micro-Magnetic Resonance Lymphangiography Using a Nano-Size Paramagnetic Contrast Agent. Journal of the National Cancer Institute, 2004, 96, 703-708. | 6.3 | 149 |
| 28 | Biologically Optimized Nanosized Molecules and Particles: More than Just Size. Bioconjugate Chemistry, 2011, 22, 993-1000. | 3.6 | 149 |
| 29 | Clinical implications of near-infrared fluorescence imaging in cancer. Future Oncology, 2009, 5, 1501-1511. | 2.4 | 148 |
| 30 | Toxicity of organic fluorophores used in molecular imaging: literature review. Molecular Imaging, 2009, 8, 341-54. | 1.4 | 148 |
| 31 | 3D-micro-MR angiography of mice using macromolecular MR contrast agents with polyamidoamine dendrimer core with reference to their pharmacokinetic properties. Magnetic Resonance in Medicine, 2001, 45, 454-460. | 3.0 | 143 |
| 32 | Macromolecular MRI contrast agents for imaging tumor angiogenesis. European Journal of Radiology, 2006, 60, 353-366. | 2.6 | 143 |
| 33 | Dendrimer-Based Nanosized MRI Contrast Agents. Current Pharmaceutical Biotechnology, 2004, 5, 539-549. | 1.6 | 143 |
| 34 | Delivery of gadolinium-labeled nanoparticles to the sentinel lymph node: Comparison of the sentinel node visualization and estimations of intra-nodal gadolinium concentration by the magnetic resonance imaging. Journal of Controlled Release, 2006, 111, 343-351. | 9.9 | 142 |
| 35 | Nearâ€IR Lightâ€Mediated Cleavage of Antibodyâ€“Drug Conjugates Using Cyanine Photocages. Angewandte Chemie - International Edition, 2015, 54, 13635-13638. | 13.8 | 140 |
| 36 | A dendrimer-based nanosized contrast agent dual-labeled for magnetic resonance and optical fluorescence imaging to localize the sentinel lymph node in mice. Journal of Magnetic Resonance Imaging, 2007, 25, 866-871. | 3.4 | 136 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Near-infrared Theranostic Photoimmunotherapy (PIT): Repeated Exposure of Light Enhances the Effect of Immunoconjugate. Bioconjugate Chemistry, 2012, 23, 604-609. | 3.6 | 136 |
| 38 | Imaging of the lymphatic system: new horizons. Contrast Media and Molecular Imaging, 2006, 1, 230-245. | 0.8 | 128 |
| 39 | Dendrimer-Based Contrast Agents for Molecular Imaging. Current Topics in Medicinal Chemistry, 2008, 8, 1180-1186. | 2.1 | 128 |
| 40 | Targeted, Activatable, In Vivo Fluorescence Imaging of Prostate-Specific Membrane Antigen (PSMA) Positive Tumors Using the Quenched Humanized J591 Antibodyâ€“Indocyanine Green (ICG) Conjugate. Bioconjugate Chemistry, 2011, 22, 1700-1705. | 3.6 | 128 |
| 41 | Pharmacokinetics and enhancement patterns of macromolecular MR contrast agents with various sizes of polyamidoamine dendrimer cores. Magnetic Resonance in Medicine, 2001, 46, 1169-1173. | 3.0 | 127 |
| 42 | In Vivo Activation of Duocarmycinâ€“Antibody Conjugates by Near-Infrared Light. ACS Central Science, 2017, 3, 329-337. | 11.3 | 125 |
| 43 | Preparation and Preliminary Evaluation of a Biotin-Targeted, Lectin-Targeted Dendrimer-Based Probe for Dual-Modality Magnetic Resonance and Fluorescence Imaging. Bioconjugate Chemistry, 2007, 18, 1474-1482. | 3.6 | 119 |
| 44 | Simultaneous two-color spectral fluorescence lymphangiography with near infrared quantum dots to map two lymphatic flows from the breast and the upper extremity. Breast Cancer Research and Treatment, 2007, 103, 23-28. | 2.5 | 118 |
| 45 | Positive effects of polyethylene glycol conjugation to generation-4 polyamidoamine dendrimers as macromolecular MR contrast agents. Magnetic Resonance in Medicine, 2001, 46, 781-788. | 3.0 | 116 |
| 46 | Dendrimer-based MRI contrast agents: the effects of PEGylation on relaxivity and pharmacokinetics. Nanomedicine: Nanotechnology, Biology, and Medicine, 2011, 7, 1001-1008. | 3.3 | 116 |
| 47 | In vivo multiple color lymphatic imaging using upconverting nanocrystals. Journal of Materials Chemistry, 2009, 19, 6481. | 6.7 | 112 |
| 48 | In vivoDiagnosis of Epidermal Growth Factor Receptor Expression using Molecular Imaging with a Cocktail of Optically Labeled Monoclonal Antibodies. Clinical Cancer Research, 2007, 13, 6639-6648. | 7.0 | 110 |
| 49 | Evaluation of the in Vivo Biodistribution of Indium-111 and Yttrium-88 Labeled Dendrimer-1B4M-DTPA and Its Conjugation with Anti-Tac Monoclonal Antibody. Bioconjugate Chemistry, 1999, 10, 103-111. | 3.6 | 109 |
| 50 | Comparison of dendrimer-based macromolecular contrast agents for dynamic micro-magnetic resonance lymphangiography. Magnetic Resonance in Medicine, 2003, 50, 758-766. | 3.0 | 109 |
| 51 | Increased (18)F-FDG uptake in a model of inflammation: concanavalin A-mediated lymphocyte activation. Journal of Nuclear Medicine, 2002, 43, 658-63. | 5.0 | 109 |
| 52 | Avidin-dendrimer-(1B4M-Gd)<sub>254</sub>:â€‰ A Tumor-Targeting Therapeutic Agent for Gadolinium Neutron Capture Therapy of Intraperitoneal Disseminated Tumor Which Can Be Monitored by MRI. Bioconjugate Chemistry, 2001, 12, 587-593. | 3.6 | 106 |
| 53 | A Target Cellâ€“Specific Activatable Fluorescence Probe for In vivo Molecular Imaging of Cancer Based on a Self-Quenched Avidin-Rhodamine Conjugate. Cancer Research, 2007, 67, 2791-2799. | 0.9 | 105 |
| 54 | Near infrared fluorescenceâ€guided realâ€time endoscopic detection of peritoneal ovarian cancer nodules using intravenously injected indocyanine green. International Journal of Cancer, 2011, 129, 1671-1677. | 5.1 | 102 |

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|---|---|---|---|
| 55 | Influence of dendrimer generation and polyethylene glycol length on the biodistribution of PEGylated dendrimers. International Journal of Pharmaceutics, 2010, 383, 293-296. | 5.2 | 99 |
| 56 | Host Immunity Following Near-Infrared Photoimmunotherapy Is Enhanced with PD-1 Checkpoint Blockade to Eradicate Established Antigenic Tumors. Cancer Immunology Research, 2019, 7, 401-413. | 3.4 | 99 |
| 57 | Fluorophoreâ^'Quencher Based Activatable Targeted Optical Probes for Detecting in Vivo Cancer Metastases. Molecular Pharmaceutics, 2009, 6, 386-395. | 4.6 | 98 |
| 58 | Monoclonal antibody-dendrimer conjugates enable radiolabeling of antibody with markedly high specific activity with minimal loss of immunoreactivity. European Journal of Nuclear Medicine and Molecular Imaging, 2000, 27, 1334-1339. | 2.1 | 97 |
| 59 | In vivo target-specific activatable near-infrared optical labeling of humanized monoclonal antibodies. Molecular Cancer Therapeutics, 2009, 8, 232-239. | 4.1 | 95 |
| 60 | Photoimmunotherapy: Comparative effectiveness of two monoclonal antibodies targeting the epidermal growth factor receptor. Molecular Oncology, 2014, 8, 620-632. | 4.6 | 95 |
| 61 | In Vivo Molecular Imaging to Diagnose and Subtype Tumors through Receptor-Targeted Optically Labeled Monoclonal Antibodies. Neoplasia, 2007, 9, 1021-1029. | 5.3 | 94 |
| 62 | Micro-magnetic resonance lymphangiography in mice using a novel dendrimer-based magnetic resonance imaging contrast agent. Cancer Research, 2003, 63, 271-6. | 0.9 | 93 |
| 63 | Dual-Modality Molecular Imaging Using Antibodies Labeled with Activatable Fluorescence and a Radionuclide for Specific and Quantitative Targeted Cancer Detection. Bioconjugate Chemistry, 2009, 20, 2177-2184. | 3.6 | 92 |
| 64 | Rapid intraoperative visualization of breast lesions with Î³-glutamyl hydroxymethyl rhodamine green. Scientific Reports, 2015, 5, 12080. | 3.3 | 89 |
| 65 | Renal tubular damage detected by dynamic micro-MRI with a dendrimer-based magnetic resonance contrast agent. Kidney International, 2002, 61, 1980-1985. | 5.2 | 87 |
| 66 | Microâ€MR angiography of normal and intratumoral vessels in mice using dedicated intravascular MR contrast agents with high generation of polyamidoamine dendrimer core: Reference to pharmacokinetic properties of dendrimerâ€based MR contrast agents. Journal of Magnetic Resonance Imaging, 2001, 14, 705-713. | 3.4 | 86 |
| 67 | Immediate in vivo target-specific cancer cell death after near infrared photoimmunotherapy. BMC Cancer, 2012, 12, 345. | 2.6 | 86 |
| 68 | Super enhanced permeability and retention (SUPR) effects in tumors following near infrared photoimmunotherapy. Nanoscale, 2016, 8, 12504-12509. | 5.6 | 86 |
| 69 | Near Infrared Photoimmunotherapy in the Treatment of Pleural Disseminated NSCLC: Preclinical Experience. Theranostics, 2015, 5, 698-709. | 10.0 | 81 |
| 70 | Near Infrared Photoimmunotherapy in the Treatment of Disseminated Peritoneal Ovarian Cancer. Molecular Cancer Therapeutics, 2015, 14, 141-150. | 4.1 | 81 |
| 71 | Application of a Macromolecular Contrast Agent for Detection of Alterations of Tumor Vessel Permeability Induced by Radiation. Clinical Cancer Research, 2004, 10, 7712-7720. | 7.0 | 80 |
| 72 | Novel liver macromolecular MR contrast agent with a polypropylenimine diaminobutyl dendrimer core: Comparison to the vascular MR contrast agent with the polyamidoamine dendrimer core. Magnetic Resonance in Medicine, 2001, 46, 795-802. | 3.0 | 79 |

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|---|---|---|---|
| 73 | Near-infrared photoimmunotherapy of cancer: a new approach that kills cancer cells and enhances anti-cancer host immunity. International Immunology, 2021, 33, 7-15. | 4.0 | 79 |
| 74 | Dendrimers in medical nanotechnology. IEEE Engineering in Medicine and Biology Magazine, 2009, 28, 12-22. | 0.8 | 78 |
| 75 | Comparison of the Macromolecular MR Contrast Agents with Ethylenediamine-Core versus Ammonia-Core Generation-6 Polyamidoamine Dendrimer. Bioconjugate Chemistry, 2001, 12, 100-107. | 3.6 | 77 |
| 76 | Real-time Monitoring of In Vivo Acute Necrotic Cancer Cell Death Induced by Near Infrared Photoimmunotherapy Using Fluorescence Lifetime Imaging. Cancer Research, 2012, 72, 4622-4628. | 0.9 | 77 |
| 77 | In Vivo Real-Time, Multicolor, Quantum Dot Lymphatic Imaging. Journal of Investigative Dermatology, 2009, 129, 2818-2822. | 0.7 | 76 |
| 78 | Spectral Fluorescence Molecular Imaging of Lung Metastases Targeting HER2/neu. Clinical Cancer Research, 2007, 13, 2936-2945. | 7.0 | 74 |
| 79 | Improving the Efficacy of Photoimmunotherapy (PIT) using a Cocktail of Antibody Conjugates in a Multiple Antigen Tumor Model. Theranostics, 2013, 3, 357-365. | 10.0 | 74 |
| 80 | Polyamine dendrimerâ€based MRI contrast agents for functional kidney imaging to diagnose acute renal failure. Journal of Magnetic Resonance Imaging, 2004, 20, 512-518. | 3.4 | 72 |
| 81 | Determination of Optimal Rhodamine Fluorophore for in Vivo Optical Imaging. Bioconjugate Chemistry, 2008, 19, 1735-1742. | 3.6 | 72 |
| 82 | Multiplexed imaging in cancer diagnosis: applications and future advances. Lancet Oncology, The, 2010, 11, 589-595. | 10.7 | 72 |
| 83 | Imaging and Selective Elimination of Glioblastoma Stem Cells with Theranostic Near-Infrared-Labeled CD133-Specific Antibodies. Theranostics, 2016, 6, 862-874. | 10.0 | 71 |
| 84 | Near Infrared Photoimmunotherapy Targeting EGFR Positive Triple Negative Breast Cancer: Optimizing the Conjugate-Light Regimen. PLoS ONE, 2015, 10, e0136829. | 2.5 | 69 |
| 85 | Near-Infrared Photoimmunotherapy Targeting Prostate Cancer with Prostate-Specific Membrane Antigen (PSMA) Antibody. Molecular Cancer Research, 2017, 15, 1153-1162. | 3.4 | 69 |
| 86 | Cancer Drug Delivery: Considerations in the Rational Design of Nanosized Bioconjugates. Bioconjugate Chemistry, 2014, 25, 2093-2100. | 3.6 | 68 |
| 87 | Near infrared photoimmunotherapy with avelumab, an anti-programmed death-ligand 1 (PD-L1) antibody. Oncotarget, 2017, 8, 8807-8817. | 1.8 | 68 |
| 88 | Photoimmunotherapy Targeting Prostate-Specific Membrane Antigen: Are Antibody Fragments as Effective as Antibodies?. Journal of Nuclear Medicine, 2015, 56, 140-144. | 5.0 | 66 |
| 89 | Multiplexing with Multispectral Imaging: From Mice to Microscopy. ILAR Journal, 2008, 49, 78-88. | 1.8 | 65 |
| 90 | Molecular probes for the in vivo imaging of cancer. Molecular BioSystems, 2009, 5, 1279. | 2.9 | 65 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | In vivomolecular imaging using nanomaterials: Generalin vivocharacteristics of nano-sized reagents and applications for cancer diagnosis (Review). Molecular Membrane Biology, 2010, 27, 274-285. | 2.0 | 65 |
| 92 | Photoimmunotherapy of Gastric Cancer Peritoneal Carcinomatosis in a Mouse Model. PLoS ONE, 2014, 9, e113276. | 2.5 | 65 |
| 93 | Phototheranostics of CD44-positive cell populations in triple negative breast cancer. Scientific Reports, 2016, 6, 27871. | 3.3 | 64 |
| 94 | Syngeneic Mouse Models of Oral Cancer Are Effectively Targeted by Antiâ€“CD44-Based NIR-PIT. Molecular Cancer Research, 2017, 15, 1667-1677. | 3.4 | 64 |
| 95 | Near infrared photoimmunotherapy for lung metastases. Cancer Letters, 2015, 365, 112-121. | 7.2 | 62 |
| 96 | High sensitivity detection of cancer in vivo using a dual-controlled activation fluorescent imaging probe based on H-dimer formation and pH activation. Molecular BioSystems, 2010, 6, 888. | 2.9 | 61 |
| 97 | The Effect of Photoimmunotherapy Followed by Liposomal Daunorubicin in a Mixed Tumor Model: A Demonstration of the Super-Enhanced Permeability and Retention Effect after Photoimmunotherapy. Molecular Cancer Therapeutics, 2014, 13, 426-432. | 4.1 | 61 |
| 98 | In vivo breast cancer characterization imaging using two monoclonal antibodies activatably labeled with near infrared fluorophores. Breast Cancer Research, 2012, 14, R61. | 5.0 | 60 |
| 99 | Galactosyl Human Serum Albumin-NMP1 Conjugate: A Near Infrared (NIR)-Activatable Fluorescence Imaging Agent to Detect Peritoneal Ovarian Cancer Metastases. Bioconjugate Chemistry, 2012, 23, 1671-1679. | 3.6 | 60 |
| 100 | In Vivo Spectral Fluorescence Imaging of Submillimeter Peritoneal Cancer Implants Using a Lectin-Targeted Optical Agent. Neoplasia, 2006, 8, 607-IN2. | 5.3 | 59 |
| 101 | Toward Improved Syntheses of Dendrimer-Based Magnetic Resonance Imaging Contrast Agents:â€‰ New Bifunctional Diethylenetriaminepentaacetic Acid Ligands and Nonaqueous Conjugation Chemistry. Journal of Medicinal Chemistry, 2007, 50, 3185-3193. | 6.4 | 59 |
| 102 | Glypican-3 Targeted Human Heavy Chain Antibody as a Drug Carrier for Hepatocellular Carcinoma Therapy. Molecular Pharmaceutics, 2015, 12, 2151-2157. | 4.6 | 59 |
| 103 | Epidermal Growth Factor Receptor (EGFR)-targeted Photoimmunotherapy (PIT) for the Treatment of EGFR-expressing Bladder Cancer. Molecular Cancer Therapeutics, 2017, 16, 2201-2214. | 4.1 | 59 |
| 104 | Multicolor imaging of lymphatic function with two nanomaterials: quantum dot-labeled cancer cells and dendrimer-based optical agents. Nanomedicine, 2009, 4, 411-419. | 3.3 | 57 |
| 105 | Role of Fluorophore Charge on the In Vivo Optical Imaging Properties of Near-Infrared Cyanine Dye/Monoclonal Antibody Conjugates. Bioconjugate Chemistry, 2016, 27, 404-413. | 3.6 | 57 |
| 106 | Targeting Epidermal Growth Factor Receptor (EGFR) and Human Epidermal Growth Factor Receptor 2 (HER2) Expressing Bladder Cancer Using Combination Photoimmunotherapy (PIT). Scientific Reports, 2019, 9, 2084. | 3.3 | 57 |
| 107 | Multicolor inÂvivo targeted imaging to guide realâ€time surgery of HER2â€positive micrometastases in a twoâ€tumor coincident model of ovarian cancer. Cancer Science, 2009, 100, 1099-1104. | 3.9 | 56 |
| 108 | Near Infra-Red Photoimmunotherapy with Anti-CEA-IR700 Results in Extensive Tumor Lysis and a Significant Decrease in Tumor Burden in Orthotopic Mouse Models of Pancreatic Cancer. PLoS ONE, 2015, 10, e0121989. | 2.5 | 56 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Dendrimer-enhanced MRI as a diagnostic and prognostic biomarker of sepsis-induced acute renal failure in aged mice. Kidney International, 2005, 67, 2159-2167. | 5.2 | 55 |
| 110 | Activatable Fluorescent Molecular Imaging of Peritoneal Metastases following Pretargeting with a Biotinylated Monoclonal Antibody. Cancer Research, 2007, 67, 3809-3817. | 0.9 | 54 |
| 111 | A Near-Infrared, Wavelength-Shiftable, Turn-on Fluorescent Probe for the Detection and Imaging of Cancer Tumor Cells. ACS Chemical Biology, 2017, 12, 1121-1132. | 3.4 | 54 |
| 112 | Activatable Optical Imaging with a Silica-Rhodamine Based Near Infrared (SiR700) Fluorophore: A comparison with cyanine based dyes. Bioconjugate Chemistry, 2011, 22, 2531-2538. | 3.6 | 53 |
| 113 | Short PEG-Linkers Improve the Performance of Targeted, Activatable Monoclonal Antibody-Indocyanine Green Optical Imaging Probes. Bioconjugate Chemistry, 2013, 24, 811-816. | 3.6 | 53 |
| 114 | Photoimmunotherapy of hepatocellular carcinoma-targeting Glypican-3 combined with nanosized albumin-bound paclitaxel. Nanomedicine, 2015, 10, 1139-1147. | 3.3 | 53 |
| 115 | Detection of Lymph Node Involvement in Hematologic Malignancies Using Micromagnetic Resonance Lymphangiography with a Gadolinum-Labeled Dendrimer Nanoparticle. Neoplasia, 2005, 7, 984-991. | 5.3 | 52 |
| 116 | A Comparison of the Emission Efficiency of Four Common Green Fluorescence Dyes after Internalization into Cancer Cells. Bioconjugate Chemistry, 2006, 17, 1426-1431. | 3.6 | 51 |
| 117 | Nanoparticles in sentinel lymph node mapping. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2009, 1, 610-623. | 6.1 | 51 |
| 118 | Norcyanine-Carbamates Are Versatile Near-Infrared Fluorogenic Probes. Journal of the American Chemical Society, 2021, 143, 5674-5679. | 13.7 | 51 |
| 119 | Targeted optical imaging of cancer cells using lectin-binding BODIPY conjugated avidin. Biochemical and Biophysical Research Communications, 2006, 348, 807-813. | 2.1 | 49 |
| 120 | Gadolinium MRI Contrast Agents Based on Triazine Dendrimers: Relaxivity and In Vivo Pharmacokinetics. Bioconjugate Chemistry, 2012, 23, 2291-2299. | 3.6 | 49 |
| 121 | Two-Color Lymphatic Mapping Using Ig-Conjugated Near Infrared Optical Probes. Journal of Investigative Dermatology, 2007, 127, 2351-2356. | 0.7 | 48 |
| 122 | Photoimmunotherapy for cancer-associated fibroblasts targeting fibroblast activation protein in human esophageal squamous cell carcinoma. Cancer Biology and Therapy, 2019, 20, 1234-1248. | 3.4 | 48 |
| 123 | Combined CD44- and CD25-Targeted Near-Infrared Photoimmunotherapy Selectively Kills Cancer and Regulatory T Cells in Syngeneic Mouse Cancer Models. Cancer Immunology Research, 2020, 8, 345-355. | 3.4 | 48 |
| 124 | Fibroblast activation protein targeted near infrared photoimmunotherapy (NIR PIT) overcomes therapeutic resistance in human esophageal cancer. Scientific Reports, 2021, 11, 1693. | 3.3 | 48 |
| 125 | Near Infrared Photoimmunotherapy; A Review of Targets for Cancer Therapy. Cancers, 2021, 13, 2535. | 3.7 | 47 |
| 126 | The effects of conjugate and light dose on photo-immunotherapy induced cytotoxicity. BMC Cancer, 2014, 14, 389. | 2.6 | 46 |

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|---|---|---|---|
| 127 | Near infrared photoimmunotherapy of Bâ€cell lymphoma. Molecular Oncology, 2016, 10, 1404-1414. | 4.6 | 46 |
| 128 | Activatable fluorescent probes in fluorescence-guided surgery: Practical considerations. Bioorganic and Medicinal Chemistry, 2018, 26, 925-930. | 3.0 | 46 |
| 129 | 3D MR angiography of intratumoral vasculature using a novel macromolecular MR contrast agent. Magnetic Resonance in Medicine, 2001, 46, 579-585. | 3.0 | 45 |
| 130 | Near-Infrared Photoimmunotherapy: Photoactivatable Antibodyâ€“Drug Conjugates (ADCs). Bioconjugate Chemistry, 2020, 31, 28-36. | 3.6 | 45 |
| 131 | Gadolinium-labeled dendrimers as biometric nanoprobes to detect vascular permeability. Journal of Materials Chemistry, 2003, 13, 1523. | 6.7 | 44 |
| 132 | Near infrared photoimmunotherapy with an anti-mesothelin antibody. Oncotarget, 2016, 7, 23361-23369. | 1.8 | 44 |
| 133 | Real-time optical imaging using quantum dot and related nanocrystals. Nanomedicine, 2010, 5, 765-776. | 3.3 | 42 |
| 134 | Comparative effectiveness of light emitting diodes (LEDs) and Lasers in near infrared photoimmunotherapy. Oncotarget, 2016, 7, 14324-14335. | 1.8 | 42 |
| 135 | Novel intravascular macromolecular MRI contrast agent with generation-4 polyamidoamine dendrimer core: Accelerated renal excretion with coinjection of lysine. Magnetic Resonance in Medicine, 2001, 46, 457-464. | 3.0 | 41 |
| 136 | New Approaches to Lymphatic Imaging. Lymphatic Research and Biology, 2009, 7, 205-214. | 1.1 | 41 |
| 137 | New Nanosized Biocompatible MR Contrast Agents Based on Lysine-Dendri-Graft Macromolecules. Bioconjugate Chemistry, 2010, 21, 955-960. | 3.6 | 41 |
| 138 | Activatable Organic Near-Infrared Fluorescent Probes Based on a Bacteriochlorin Platform: Synthesis and Multicolor in Vivo Imaging with a Single Excitation. Bioconjugate Chemistry, 2014, 25, 362-369. | 3.6 | 41 |
| 139 | Impact of C4â€²-O-Alkyl Linker on in Vivo Pharmacokinetics of Near-Infrared Cyanine/Monoclonal Antibody Conjugates. Molecular Pharmaceutics, 2015, 12, 3303-3311. | 4.6 | 41 |
| 140 | Targeted Phototherapy for Malignant Pleural Mesothelioma: Near-Infrared Photoimmunotherapy Targeting Podoplanin. Cells, 2020, 9, 1019. | 4.1 | 41 |
| 141 | Near infrared photoimmunotherapy prevents lung cancer metastases in a murine model. Oncotarget, 2015, 6, 19747-19758. | 1.8 | 41 |
| 142 | In Vivo Stable Tumor-Specific Painting in Various Colors Using Dehalogenase-Based Protein-Tag Fluorescent Ligands. Bioconjugate Chemistry, 2009, 20, 1367-1374. | 3.6 | 40 |
| 143 | Near Infrared Photoimmunotherapy with Combined Exposure of External and Interstitial Light Sources. Molecular Pharmaceutics, 2018, 15, 3634-3641. | 4.6 | 40 |
| 144 | Interstitial near-infrared photoimmunotherapy: effective treatment areas and light doses needed for use with fiber optic diffusers. Oncotarget, 2018, 9, 11159-11169. | 1.8 | 40 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Hepatocyte targeting of 111In-labeled oligo-DNA with avidin or avidinâ€“dendrimer complex. Journal of Controlled Release, 2004, 95, 133-141. | 9.9 | 39 |
| 146 | Targeted optical fluorescence imaging of human ovarian adenocarcinoma using a galactosyl serum albumin-conjugated fluorophore. Cancer Science, 2007, 98, 1727-1733. | 3.9 | 39 |
| 147 | Magnetic resonance lymphangiography with a nano-sized gadolinium-labeled dendrimer in small and large animal models. Nanomedicine, 2010, 5, 1183-1191. | 3.3 | 39 |
| 148 | Dendrimers as high relaxivity <scp>MR</scp> contrast agents. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2014, 6, 155-162. | 6.1 | 39 |
| 149 | Monoclonal antibody-based optical molecular imaging probes; considerations and caveats in chemistry, biology and pharmacology. Current Opinion in Chemical Biology, 2016, 33, 32-38. | 6.1 | 39 |
| 150 | A Self-Quenched Galactosamine-Serum Albumin-RhodamineX Conjugate: A â€œSmartâ€•Fluorescent Molecular Imaging Probe Synthesized with Clinically Applicable Material for Detecting Peritoneal Ovarian Cancer Metastases. Clinical Cancer Research, 2007, 13, 6335-6343. | 7.0 | 37 |
| 151 | Endoscopic near infrared photoimmunotherapy using a fiber optic diffuser for peritoneal dissemination of gastric cancer. Cancer Science, 2018, 109, 1902-1908. | 3.9 | 37 |
| 152 | D-galactose receptor-targeted in vivo spectral fluorescence imaging of peritoneal metastasis using galactosamin-conjugated serum albumin-rhodamine green. Journal of Biomedical Optics, 2007, 12, 051501. | 2.6 | 36 |
| 153 | Lymphatic dysfunction in transgenic mice expressing KSHV k-cyclin under the control of the VEGFR-3 promoter. Blood, 2005, 105, 2356-2363. | 1.4 | 35 |
| 154 | Minibody-Indocyanine Green Based Activatable Optical Imaging Probes: The Role of Short Polyethylene Glycol Linkers. ACS Medicinal Chemistry Letters, 2014, 5, 411-415. | 2.8 | 35 |
| 155 | Effect of charge localization on the in vivo optical imaging properties of near-infrared cyanine dye/monoclonal antibody conjugates. Molecular BioSystems, 2016, 12, 3046-3056. | 2.9 | 35 |
| 156 | The Effect of Antibody Fragments on CD25 Targeted Regulatory T Cell Near-Infrared Photoimmunotherapy. Bioconjugate Chemistry, 2019, 30, 2624-2633. | 3.6 | 35 |
| 157 | Dendrimer-based Macromolecular MRI Contrast Agents: Characteristics and Application. Molecular Imaging, 2003, 2, 153535002003031. | 1.4 | 34 |
| 158 | Selective cell elimination in vitro and in vivo from tissues and tumors using antibodies conjugated with a near infrared phthalocyanine. RSC Advances, 2015, 5, 25105-25114. | 3.6 | 34 |
| 159 | Molecular targeted photoimmunotherapy for HER2-positive human gastric cancer in combination with chemotherapy results in improved treatment outcomes through different cytotoxic mechanisms. BMC Cancer, 2016, 16, 37. | 2.6 | 34 |
| 160 | Production of Multiple Growth Factors by a Newly Established Human Thyroid Carcinoma Cell Line. Japanese Journal of Cancer Research, 1992, 83, 153-158. | 1.7 | 33 |
| 161 | Photoimmunotherapy targeting biliaryâ€pancreatic cancer with humanized antiâ€TROP2 antibody. Cancer Medicine, 2019, 8, 7781-7792. | 2.8 | 33 |
| 162 | Selfâ€illuminating in vivo lymphatic imaging using a bioluminescence resonance energy transfer quantum dot nanoâ€particle. Contrast Media and Molecular Imaging, 2011, 6, 55-59. | 0.8 | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Combination photoimmunotherapy with monoclonal antibodies recognizing different epitopes of human epidermal growth factor receptor 2: an assessment of phototherapeutic effect based on fluorescence molecular imaging. Oncotarget, 2016, 7, 14143-14152. | 1.8 | 32 |
| 164 | Multi-Wavelength Fluorescence in Image-Guided Surgery, Clinical Feasibility and Future Perspectives. Molecular Imaging, 2020, 19, 153601212096233. | 1.4 | 32 |
| 165 | Near-infrared photoimmunotherapy: a comparison of light dosing schedules. Oncotarget, 2017, 8, 35069-35075. | 1.8 | 32 |
| 166 | Avoiding thermal injury during near-infrared photoimmunotherapy (NIR-PIT): the importance of NIR light power density. Oncotarget, 2017, 8, 113194-113201. | 1.8 | 32 |
| 167 | Activated Clearance of a Biotinylated Macromolecular MRI Contrast Agent from the Blood Pool Using an Avidin Chase. Bioconjugate Chemistry, 2003, 14, 1044-1047. | 3.6 | 31 |
| 168 | Preparation and long-term biodistribution studies of a PAMAM dendrimer G5â€“Gd-BnDOTA conjugate for lymphatic imaging. Nanomedicine, 2015, 10, 1423-1437. | 3.3 | 31 |
| 169 | Tumor-Specific Detection of an Optically Targeted Antibody Combined with a Quencher-Conjugated Neutravidin â€œQuencher-Chaseâ€• A Dual â€œQuench and Chaseâ€•Strategy to Improve Target to Nontarget Ratios for Molecular Imaging of Cancer. Bioconjugate Chemistry, 2009, 20, 147-154. | 3.6 | 30 |
| 170 | Acute Cytotoxic Effects of Photoimmunotherapy Assessed by <sup>18</sup>F-FDG PET. Journal of Nuclear Medicine, 2013, 54, 770-775. | 5.0 | 30 |
| 171 | Near-Infrared Photochemoimmunotherapy by Photoactivatable Bifunctional Antibodyâ€“Drug Conjugates Targeting Human Epidermal Growth Factor Receptor 2 Positive Cancer. Bioconjugate Chemistry, 2017, 28, 1458-1469. | 3.6 | 30 |
| 172 | Near infrared photoimmunotherapy for cancers: A translational perspective. EBioMedicine, 2021, 70, 103501. | 6.1 | 30 |
| 173 | Near infrared photoimmunotherapy targeting bladder cancer with a canine anti-epidermal growth factor receptor (EGFR) antibody. Oncotarget, 2018, 9, 19026-19038. | 1.8 | 30 |
| 174 | Imaging Acute Renal Failure with Polyamine Dendrimer-Based MRI Contrast Agents. Nephron Clinical Practice, 2006, 103, c45-c49. | 2.3 | 29 |
| 175 | Fluorescence lifetime imaging of activatable target specific molecular probes. Contrast Media and Molecular Imaging, 2010, 5, 1-8. | 0.8 | 29 |
| 176 | Design strategy for germanium-rhodamine based pH-activatable near-infrared fluorescence probes suitable for biological applications. Communications Chemistry, 2019, 2, . | 4.5 | 29 |
| 177 | Activatable Near-Infrared Fluorescence Imaging Using PEGylated Bacteriochlorin-Based Chlorin and BODIPY-Dyads as Probes for Detecting Cancer. Bioconjugate Chemistry, 2019, 30, 169-183. | 3.6 | 29 |
| 178 | Micro-MRI methods to detect renal cysts in mice. Kidney International, 2004, 65, 1511-1516. | 5.2 | 27 |
| 179 | Photoimmunotherapy lowers recurrence after pancreatic cancer surgery in orthotopic nude mouse models. Journal of Surgical Research, 2015, 197, 5-11. | 1.6 | 27 |
| 180 | Local Depletion of Immune Checkpoint Ligand CTLA4 Expressing Cells in Tumor Beds Enhances Antitumor Host Immunity. Advanced Therapeutics, 2021, 4, 2000269. | 3.2 | 27 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Improved micro-distribution of antibody-photon absorber conjugates after initial near infrared photoimmunotherapy (NIR-PIT). Journal of Controlled Release, 2016, 232, 1-8. | 9.9 | 26 |
| 182 | Evaluation of Early Therapeutic Effects after Near-Infrared Photoimmunotherapy (NIR-PIT) Using Luciferaseâ€“Luciferin Photon-Counting and Fluorescence Imaging. Molecular Pharmaceutics, 2017, 14, 4628-4635. | 4.6 | 26 |
| 183 | Multi-targeted multi-color in vivo optical imaging in a model of disseminated peritoneal ovarian cancer. Journal of Biomedical Optics, 2009, 14, 014023. | 2.6 | 25 |
| 184 | Near Infrared Photoimmunotherapy in a Transgenic Mouse Model of Spontaneous Epidermal Growth Factor Receptor (EGFR)-expressing Lung Cancer. Molecular Cancer Therapeutics, 2017, 16, 408-414. | 4.1 | 25 |
| 185 | Near infrared photoimmunotherapy using a fiber optic diffuser for treating peritoneal gastric cancer dissemination. Gastric Cancer, 2019, 22, 463-472. | 5.3 | 25 |
| 186 | Interleukin-15 after Near-Infrared Photoimmunotherapy (NIR-PIT) Enhances T Cell Response against Syngeneic Mouse Tumors. Cancers, 2020, 12, 2575. | 3.7 | 25 |
| 187 | Viral transduction of the HER2-extracellular domain expands trastuzumab-based photoimmunotherapy for HER2-negative breast cancer cells. Breast Cancer Research and Treatment, 2015, 149, 597-605. | 2.5 | 24 |
| 188 | Molecularly Targeted Cancer Combination Therapy with Near-Infrared Photoimmunotherapy and Near-Infrared Photorelease with Duocarmycinâ€“Antibody Conjugate. Molecular Cancer Therapeutics, 2018, 17, 661-670. | 4.1 | 24 |
| 189 | Cancer neovasculature-targeted near-infrared photoimmunotherapy (NIR-PIT) for gastric cancer: different mechanisms of phototoxicity compared to cell membrane-targeted NIR-PIT. Gastric Cancer, 2020, 23, 82-94. | 5.3 | 24 |
| 190 | Dynamic changes in the cell membrane on three dimensional low coherent quantitative phase microscopy (3D LC-QPM) after treatment with the near infrared photoimmunotherapy. Oncotarget, 2017, 8, 104295-104302. | 1.8 | 24 |
| 191 | Comparison of the Chase Effects of Avidin, Streptavidin, Neutravidin, and Avidin-Ferritin on a Radiolabeled Biotinylated Anti-tumor Monoclonal Antibody. Japanese Journal of Cancer Research, 1995, 86, 310-314. | 1.7 | 23 |
| 192 | Molecular imaging of tumor invasion and metastases: the role of MRI. NMR in Biomedicine, 2011, 24, 561-568. | 2.8 | 23 |
| 193 | Two-Step Synthesis of Galactosylated Human Serum Albumin as a Targeted Optical Imaging Agent for Peritoneal Carcinomatosis. Journal of Medicinal Chemistry, 2010, 53, 1579-1586. | 6.4 | 23 |
| 194 | Trastuzumab-Based Photoimmunotherapy Integrated with Viral HER2 Transduction Inhibits Peritoneally Disseminated HER2-Negative Cancer. Molecular Cancer Therapeutics, 2016, 15, 402-411. | 4.1 | 23 |
| 195 | Near-Infrared Photoimmunotherapy Combined with CTLA4 Checkpoint Blockade in Syngeneic Mouse Cancer Models. Vaccines, 2020, 8, 528. | 4.4 | 23 |
| 196 | Increased Immunogenicity of a Minimally Immunogenic Tumor after Cancer-Targeting Near Infrared Photoimmunotherapy. Cancers, 2020, 12, 3747. | 3.7 | 23 |
| 197 | Antimicrobial strategy for targeted elimination of different microbes, including bacterial, fungal and viral pathogens. Communications Biology, 2022, 5, . | 4.4 | 23 |
| 198 | Photoimmunotherapy Inhibits Tumor Recurrence After Surgical Resection on a Pancreatic Cancer Patient-Derived Orthotopic Xenograft (PDOX) Nude Mouse Model. Annals of Surgical Oncology, 2015, 22, 1469-1474. | 1.5 | 22 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Rapid diagnosis of lymph node metastasis in breast cancer using a new fluorescent method with Î³-glutamyl hydroxymethyl rhodamine green. Scientific Reports, 2016, 6, 27525. | 3.3 | 22 |
| 200 | Biodistribution and Excretion of Monosaccharideâ"Albumin Conjugates Measured with in Vivo Near-Infrared Fluorescence Imaging. Bioconjugate Chemistry, 2010, 21, 1925-1932. | 3.6 | 21 |
| 201 | Cerenkov Radiationâ€"Induced Photoimmunotherapy with <sup>18</sup>F-FDG. Journal of Nuclear Medicine, 2017, 58, 1395-1400. | 5.0 | 21 |
| 202 | Real-time monitoring of microdistribution of antibody-photon absorber conjugates during photoimmunotherapy in vivo. Journal of Controlled Release, 2017, 260, 154-163. | 9.9 | 21 |
| 203 | Near-infrared photoimmunotherapy targeting human-EGFR in a mouse tumor model simulating current and future clinical trials. EBioMedicine, 2021, 67, 103345. | 6.1 | 21 |
| 204 | Implantable wireless powered light emitting diode (LED) for near-infrared photoimmunotherapy: device development and experimental assessmentin vitroandin vivo. Oncotarget, 2018, 9, 20048-20057. | 1.8 | 21 |
| 205 | 3D mesoscopic fluorescence tomography for imaging micro-distribution of antibody-photon absorber conjugates during near infrared photoimmunotherapy in vivo. Journal of Controlled Release, 2018, 279, 171-180. | 9.9 | 20 |
| 206 | Simultaneously Combined Cancer Cell- and CTLA4-Targeted NIR-PIT Causes a Synergistic Treatment Effect in Syngeneic Mouse Models. Molecular Cancer Therapeutics, 2021, 20, 2262-2273. | 4.1 | 20 |
| 207 | Rapid Depletion of Intratumoral Regulatory T Cells Induces Synchronized CD8 T- and NK-cell Activation and IFNÎ³-Dependent Tumor Vessel Regression. Cancer Research, 2021, 81, 3092-3104. | 0.9 | 20 |
| 208 | A topically-sprayable, activatable fluorescent and retaining probe, SPiDER-Î²Gal for detecting cancer: Advantages of anchoring to cellular proteins after activation. Oncotarget, 2017, 8, 39512-39521. | 1.8 | 20 |
| 209 | MR and optical imaging of early micrometastases in lymph nodes: triple labeling with nanoâ€sized agents yielding distinct signals. Contrast Media and Molecular Imaging, 2012, 7, 247-253. | 0.8 | 19 |
| 210 | Near infrared photoimmunotherapy of cancer; possible clinical applications. Nanophotonics, 2021, 10, 3135-3151. | 6.0 | 19 |
| 211 | MR imaging biomarkers for evaluating therapeutic effects shortly after near infrared photoimmunotherapy. Oncotarget, 2016, 7, 17254-17264. | 1.8 | 19 |
| 212 | Cyanine Phototruncation Enables Spatiotemporal Cell Labeling. Journal of the American Chemical Society, 2022, 144, 11075-11080. | 13.7 | 19 |
| 213 | Semiquantitative assessment of the microdistribution of fluorescenceâ€labeled monoclonal antibody in small peritoneal disseminations of ovarian cancer. Cancer Science, 2010, 101, 820-825. | 3.9 | 18 |
| 214 | Medical Uses of Fluorescence Imaging: Bringing Disease to Light. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1140-1146. | 2.9 | 18 |
| 215 | Activatable fluorescent cys-diabody conjugated with indocyanine green derivative: consideration of fluorescent catabolite kinetics on molecular imaging. Journal of Biomedical Optics, 2013, 18, 101304. | 2.6 | 18 |
| 216 | Real-time monitoring of hemodynamic changes in tumor vessels during photoimmunotherapy using optical coherence tomography. Journal of Biomedical Optics, 2014, 19, 098004. | 2.6 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 217 | A Portable Fluorescence Camera for Testing Surgical Specimens in the Operating Room: Description and Early Evaluation. Molecular Imaging and Biology, 2011, 13, 862-867. | 2.6 | 17 |
| 218 | In vivo realâ€time lymphatic draining using quantumâ€dot optical imaging in mice. Contrast Media and Molecular Imaging, 2013, 8, 96-100. | 0.8 | 17 |
| 219 | Magnetic Resonance Sentinel Lymph Node Imaging of the Prostate with Gadofosveset Trisodiumâ€“Albumin. Academic Radiology, 2015, 22, 646-652. | 2.5 | 17 |
| 220 | Enhanced nanodrug delivery in tumors after near-infrared photoimmunotherapy. Nanophotonics, 2019, 8, 1673-1688. | 6.0 | 17 |
| 221 | Near-infrared photoimmunotherapy with galactosyl serum albumin in a model of diffuse peritoneal disseminated ovarian cancer. Oncotarget, 2016, 7, 79408-79416. | 1.8 | 17 |
| 222 | Small numbers of residual tumor cells at the site of primary inoculation are critical for anti-tumor immunity following challenge at a secondary location. Cancer Immunology, Immunotherapy, 2007, 56, 1119-1131. | 4.2 | 16 |
| 223 | Electron Donors Rather Than Reactive Oxygen Species Needed for Therapeutic Photochemical Reaction of Near-Infrared Photoimmunotherapy. ACS Pharmacology and Translational Science, 2021, 4, 1689-1701. | 4.9 | 16 |
| 224 | Polysplenia associated with semiannular pancreas. European Radiology, 2001, 11, 1639-1641. | 4.5 | 15 |
| 225 | In Vivo Longitudinal Imaging of Experimental Human Papillomavirus Infection in Mice with a Multicolor Fluorescence Mini-Endoscopy System. Cancer Prevention Research, 2011, 4, 767-773. | 1.5 | 15 |
| 226 | Dynamic fluorescent imaging with indocyanine green for monitoring the therapeutic effects of photoimmunotherapy. Contrast Media and Molecular Imaging, 2014, 9, 276-282. | 0.8 | 15 |
| 227 | Fluorescence Imaging of Tumor-Accumulating Antibody-IR700 Conjugates Prior to Near-Infrared Photoimmunotherapy (NIR-PIT) Using a Commercially Available Camera Designed for Indocyanine Green. Molecular Pharmaceutics, 2021, 18, 1238-1246. | 4.6 | 15 |
| 228 | Endoscopic nearâ€infrared photoimmunotherapy in an orthotopic head and neck cancer model. Cancer Science, 2021, 112, 3041-3049. | 3.9 | 15 |
| 229 | Dynamic fluorescent imaging with the activatable probe, Î³-glutamyl hydroxymethyl rhodamine green in the detection of peritoneal cancer metastases: Overcoming the problem of dilution when using a sprayable optical probe. Oncotarget, 2016, 7, 51124-51137. | 1.8 | 15 |
| 230 | Scintigraphic detection of neural-cell-derived small-cell lung cancer using glioma-specific antibody. Journal of Cancer Research and Clinical Oncology, 1994, 120, 259-262. | 2.5 | 14 |
| 231 | Fluorescence Imaging of Tumors with â€œSmartâ€•pH-Activatable Targeted Probes. Methods in Molecular Biology, 2009, 574, 47-62. | 0.9 | 14 |
| 232 | MR lymphangiography using dendrimer-based contrast agents: A comparison at 1.5T and 3.0T. Magnetic Resonance in Medicine, 2007, 57, 431-436. | 3.0 | 13 |
| 233 | Magnetic Resonance Lymphography of the Thoracic Duct after Interstitial Injection of Gadofosveset Trisodium: A Pilot Dosing Study in a Porcine Model. Lymphatic Research and Biology, 2014, 12, 32-36. | 1.1 | 13 |
| 234 | Immunotoxin SS1P is rapidly removed by proximal tubule cells of kidney, whose damage contributes to albumin loss in urine. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6086-6091. | 7.1 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 235 | Diagnostic imaging in nearâ€infrared photoimmunotherapy using a commercially available camera for indocyanine green. Cancer Science, 2021, 112, 1326-1330. | 3.9 | 13 |
| 236 | CD29 targeted near-infrared photoimmunotherapy (NIR-PIT) in the treatment of a pigmented melanoma model. OncoImmunology, 2022, 11, 2019922. | 4.6 | 13 |
| 237 | Two-color in vivo dynamic contrast-enhanced pharmacokinetic imaging. Journal of Biomedical Optics, 2007, 12, 034016. | 2.6 | 12 |
| 238 | Polychromatic in vivo imaging of multiple targets using visible and near infrared light. Advanced Drug Delivery Reviews, 2013, 65, 1112-1119. | 13.7 | 12 |
| 239 | Nearâ€infrared photoimmunotherapy through bone. Cancer Science, 2019, 110, 3689-3694. | 3.9 | 12 |
| 240 | Conjugation Ratio, Light Dose, and pH Affect the Stability of Panitumumabâ€“IR700 for Near-Infrared Photoimmunotherapy. ACS Medicinal Chemistry Letters, 2020, 11, 1598-1604. | 2.8 | 12 |
| 241 | A near-infrared light-mediated cleavable linker strategy using the heptamethine cyanine chromophore. Methods in Enzymology, 2020, 641, 245-275. | 1.0 | 12 |
| 242 | Optimizing quantitative in vivo fluorescence imaging with nearâ€infrared quantum dots. Contrast Media and Molecular Imaging, 2011, 6, 148-152. | 0.8 | 11 |
| 243 | Alterations of filopodia by near infrared photoimmunotherapy: evaluation with 3D low-coherent quantitative phase microscopy. Biomedical Optics Express, 2016, 7, 2738. | 2.9 | 11 |
| 244 | Real-time IR700 Fluorescence Imaging During Near-infrared Photoimmunotherapy Using a Clinically-approved Camera for Indocyanine Green. Cancer Diagnosis & Prognosis, 2021, 1, 29-34. | 0.7 | 11 |
| 245 | The Use of Fluorescent Proteins for Developing Cancer-Specific Target Imaging Probes. Methods in Molecular Biology, 2012, 872, 191-204. | 0.9 | 10 |
| 246 | Characteristics of ovarian cancer detection by a near-infrared fluorescent probe activated by human NAD(P)H: quinone oxidoreductase isozyme 1 (hNQO1). Oncotarget, 2017, 8, 61181-61192. | 1.8 | 10 |
| 247 | MR lymphangiography with intradermal gadofosveset and human serum albumin in mice and primates. Journal of Magnetic Resonance Imaging, 2014, 40, 691-697. | 3.4 | 9 |
| 248 | Surgical tissue handling methods to optimize ex vivo fluorescence with the activatable optical probe Î³â€glutamyl hydroxymethyl rhodamine green. Contrast Media and Molecular Imaging, 2016, 11, 572-578. | 0.8 | 9 |
| 249 | Selection of antibody and light exposure regimens alters therapeutic effects of EGFR-targeted near-infrared photoimmunotherapy. Cancer Immunology, Immunotherapy, 2022, 71, 1877-1887. | 4.2 | 9 |
| 250 | Near-Infrared Photoimmunotherapy (NIR-PIT) in Urologic Cancers. Cancers, 2022, 14, 2996. | 3.7 | 9 |
| 251 | Intercellular adhesion moleculeâ€1â€targeted nearâ€infrared photoimmunotherapy of tripleâ€negative breast cancer. Cancer Science, 2022, 113, 3180-3192. | 3.9 | 9 |
| 252 | Dynamic Micro-MRI of Liver Micrometastasis with a Novel Liver Macromolecular MR Contrast Agent DAB-Am64-(1B4M-Gd)64. Academic Radiology, 2002, 9, S452-S454. | 2.5 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 253 | Spectral near-infrared fluorescence imaging of curved surfaces using projection reconstruction algorithms. Contrast Media and Molecular Imaging, 2007, 2, 82-87. | 0.8 | 6 |
| 254 | Real-Time Fluorescence-Enhanced Imaging as an Aid to Surgery in Ovarian Cancer. IEEE Journal of Selected Topics in Quantum Electronics, 2007, 13, 1602-1609. | 2.9 | 6 |
| 255 | Opening up new VISTAs: V-domain immunoglobulin suppressor of T cell activation (VISTA) targeted near-infrared photoimmunotherapy (NIR-PIT) for enhancing host immunity against cancers. Cancer Immunology, Immunotherapy, 2022, 71, 2869-2879. | 4.2 | 6 |
| 256 | Near-infrared photoimmunotherapy induced tumor cell death enhances tumor dendritic cell migration. Cancer Immunology, Immunotherapy, 2022, 71, 3099-3106. | 4.2 | 6 |
| 257 | Uptake of pentavalent technetium-99m dimercaptosuccinic acid in idiopathic synovial chondromatosis. Annals of Nuclear Medicine, 1995, 9, 153-155. | 2.2 | 5 |
| 258 | Inflammation-seeking scintigraphy with radiolabeled biotinylated polyclonal IgG followed by the injection of avidin chase. Nuclear Medicine and Biology, 1996, 23, 29-32. | 0.6 | 5 |
| 259 | Effect of Circulating Antigen on Immunoscintigraphy of Ovarian Cancer Patients Using Anti-CA125 Monoclonal Antibody. Japanese Journal of Cancer Research, 1996, 87, 655-661. | 1.7 | 5 |
| 260 | Fluorescenceâ€lifetime molecular imaging can detect invisible peritoneal ovarian tumors in bloody ascites. Cancer Science, 2014, 105, 308-314. | 3.9 | 5 |
| 261 | Quantitative and specific molecular imaging of cancer with labeled engineered monoclonal antibody fragments. Therapeutic Delivery, 2011, 2, 345-358. | 2.2 | 4 |
| 262 | Monoclonal antibodyâ€“fluorescent probe conjugates for in vivo target-specific cancer imaging: toward clinical translation. Therapeutic Delivery, 2013, 4, 523-525. | 2.2 | 4 |
| 263 | Real-Time Fluorescence Imaging Using Indocyanine Green to Assess Therapeutic Effects of Near-Infrared Photoimmunotherapy in Tumor Model Mice. Molecular Imaging, 2020, 19, 153601212093496. | 1.4 | 4 |
| 264 | Wound healing after excision of subcutaneous tumors treated with nearâ€infrared photoimmunotherapy. Cancer Medicine, 2020, 9, 5932-5939. | 2.8 | 4 |
| 265 | Effect of Short PEG on Near-Infrared BODIPY-Based Activatable Optical Probes. ACS Omega, 2020, 5, 15657-15665. | 3.5 | 4 |
| 266 | PD-L1 near Infrared Photoimmunotherapy of Ovarian Cancer Model. Cancers, 2022, 14, 619. | 3.7 | 4 |
| 267 | Paraneoplastic syndromes associated with ovarian neoplasms. International Journal of Clinical Oncology, 2000, 5, 79-84. | 2.2 | 3 |
| 268 | Endoscopic molecular imaging of cancer. Future Oncology, 2013, 9, 1501-1513. | 2.4 | 3 |
| 269 | Near-Infrared Photoimmunotherapy for Cancers of the Gastrointestinal Tract. Digestion, 2021, 102, 65-72. | 2.3 | 3 |
| 270 | Quantitative analysis of vascular changes during photoimmunotherapy using speckle variance optical coherence tomography (SV-OCT). Biomedical Optics Express, 2021, 12, 1804. | 2.9 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 271 | Expanding the application of cancer near-infrared photoimmunotherapy. EBioMedicine, 2021, 68, 103416. | 6.1 | 3 |
| 272 | Endoscopic Applications of Near-Infrared Photoimmunotherapy (NIR-PIT) in Cancers of the Digestive and Respiratory Tracts. Biomedicines, 2022, 10, 846. | 3.2 | 3 |
| 273 | Tumorâ€targeted fluorescence labeling systems for cancer diagnosis and treatment. Cancer Science, 2022, 113, 1919-1929. | 3.9 | 3 |
| 274 | Activatable optical imaging probes with various fluorophore-quencher combinations. Proceedings of SPIE, 2009, , . | 0.8 | 2 |
| 275 | Future applications of and prospects for near-IR photoimmunotherapy: benefits and differences compared with photodynamic and photothermal therapy. Immunotherapy, 2021, 13, 1305-1307. | 2.0 | 2 |
| 276 | Current and new fluorescent probes for fluorescence-guided surgery. , 2020, , 75-114. | | 2 |
| 277 | Near Infrared Photoimmunotherapy for Cancer. , 2019, , . | | 2 |
| 278 | Pitfalls on sample preparation for ex vivo imaging of resected cancer tissue using enzyme-activatable fluorescent probes. Oncotarget, 2018, 9, 36039-36047. | 1.8 | 2 |
| 279 | Multi-excitation near infrared (NIR) spectral fluorescence imaging using organic fluorophores. Proceedings of SPIE, 2008, , . | 0.8 | 1 |
| 280 | Recipe for a new imaging biomarker: carefully combine target, reagent, and technology. Kidney International, 2012, 81, 129-131. | 5.2 | 1 |
| 281 | Response to Comment on â€œRapid Cancer Detection by Topically Spraying a Î³-Glutamyltranspeptidaseâ€“Activated Fluorescent Probeâ€. Science Translational Medicine, 2012, 4, . | 12.4 | 1 |
| 282 | Lymphangiogenesis and Imaging of the Lymphatics in Cancer. Cancer Metastasis - Biology and Treatment, 2009, , 159-184. | 0.1 | 1 |
| 283 | Comparison of the Effectiveness of IgG Antibody versus F(abâ€²)<sub>2</sub> Antibody Fragment in CTLA4-Targeted Near-Infrared Photoimmunotherapy. Molecular Pharmaceutics, 2022, 19, 3600-3611. | 4.6 | 1 |
| 284 | Fluorescence in vivo imaging of live tumor cells with pH-activatable targeted probes via receptor-mediated endocytosis. , 2009, , . | | 0 |
| 285 | New technologies of cancer cell-specific molecular imaging and near infrared photoimmunotherapy. Drug Delivery System, 2014, 29, 274-284. | 0.0 | 0 |
| 286 | Near Infrared Photoimmunotherapy of Cancer. , 2021, , . | | 0 |
| 287 | Activatable Fluorescence Probes for Targeted Molecular Imaging of Cancer. , 2008, , . | | 0 |
| 288 | Near infrared photo-immunotherapy: A newly developed, target cell-specific cancer theranostic technology. , 2015, , . | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 289 | Concepts in Diagnostic Probe Design. , 2017, , 177-200. | | 0 |
| 290 | Eliciting Host Immunity Selectively against Cancer Cells Treated with Silica-Phthalocyanine-Based Near Infrared Photoimmunotherapy. , 2017, , . | | 0 |
| 291 | MR Lymphangiography Using Nano-Sized Paramagnetic Contrast Agents with Dendrimer Cores. , 2008, , 9-23. | | 0 |