Hisataka Kobayashi

List of Publications by Year
in descending order

291 papers	23,637 citations	10070 75 h-index	10679 143 g-index
296 all docs	296 docs citations	296 times ranked	24768 citing authors

#	Article	IF	Citations
1	CD29 targeted near-infrared photoimmunotherapy (NIR-PIT) in the treatment of a pigmented melanoma model. OncoImmunology, 2022, 11, 2019922.	2.1	13
2	Selection of antibody and light exposure regimens alters therapeutic effects of EGFR-targeted near-infrared photoimmunotherapy. Cancer Immunology, Immunotherapy, 2022, 71, 1877-1887.	2.0	9
3	PD-L1 near Infrared Photoimmunotherapy of Ovarian Cancer Model. Cancers, 2022, 14, 619.	1.7	4
4	Endoscopic Applications of Near-Infrared Photoimmunotherapy (NIR-PIT) in Cancers of the Digestive and Respiratory Tracts. Biomedicines, 2022, 10, 846.	1.4	3
5	Tumorâ€targeted fluorescence labeling systems for cancer diagnosis and treatment. Cancer Science, 2022, 113, 1919-1929.	1.7	3
6	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.	2.0	6
7	Near-infrared photoimmunotherapy induced tumor cell death enhances tumor dendritic cell migration. Cancer Immunology, Immunotherapy, 2022, 71, 3099-3106.	2.0	6
8	Near-Infrared Photoimmunotherapy (NIR-PIT) in Urologic Cancers. Cancers, 2022, 14, 2996.	1.7	9
9	Cyanine Phototruncation Enables Spatiotemporal Cell Labeling. Journal of the American Chemical Society, 2022, 144, 11075-11080.	6.6	19
10	Intercellular adhesion moleculeâ€1â€targeted nearâ€infrared photoimmunotherapy of tripleâ€negative breast cancer. Cancer Science, 2022, 113, 3180-3192.	1.7	9
11	Comparison of the Effectiveness of IgG Antibody versus F(abâ€²)₂ Antibody Fragment in CTLA4-Targeted Near-Infrared Photoimmunotherapy. Molecular Pharmaceutics, 2022, 19, 3600-3611.	2.3	1
12	Antimicrobial strategy for targeted elimination of different microbes, including bacterial, fungal and viral pathogens. Communications Biology, 2022, 5, .	2.0	23
13	Near-infrared photoimmunotherapy of cancer: a new approach that kills cancer cells and enhances anti-cancer host immunity. International Immunology, 2021, 33, 7-15.	1.8	79
14	Near-Infrared Photoimmunotherapy for Cancers of the Gastrointestinal Tract. Digestion, 2021, 102, 65-72.	1.2	3
15	Near Infrared Photoimmunotherapy of Cancer. , 2021, , .		0
16	Fibroblast activation protein targeted near infrared photoimmunotherapy (NIR PIT) overcomes therapeutic resistance in human esophageal cancer. Scientific Reports, 2021, 11, 1693.	1.6	48
17	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.	2.3	15
18	Diagnostic imaging in nearâ€infrared photoimmunotherapy using a commercially available camera for indocyanine green. Cancer Science, 2021, 112, 1326-1330.	1.7	13

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19	Local Depletion of Immune Checkpoint Ligand CTLA4 Expressing Cells in Tumor Beds Enhances Antitumor Host Immunity. Advanced Therapeutics, 2021, 4, 2000269.	1.6	27
20	Quantitative analysis of vascular changes during photoimmunotherapy using speckle variance optical coherence tomography (SV-OCT). Biomedical Optics Express, 2021, 12, 1804.	1.5	3
21	Norcyanine-Carbamates Are Versatile Near-Infrared Fluorogenic Probes. Journal of the American Chemical Society, 2021, 143, 5674-5679.	6.6	51
22	Near infrared photoimmunotherapy of cancer; possible clinical applications. Nanophotonics, 2021, 10, 3135-3151.	2.9	19
23	Near Infrared Photoimmunotherapy; A Review of Targets for Cancer Therapy. Cancers, 2021, 13, 2535.	1.7	47
24	Near-infrared photoimmunotherapy targeting human-EGFR in a mouse tumor model simulating current and future clinical trials. EBioMedicine, 2021, 67, 103345.	2.7	21
25	Expanding the application of cancer near-infrared photoimmunotherapy. EBioMedicine, 2021, 68, 103416.	2.7	3
26	Endoscopic nearâ€infrared photoimmunotherapy in an orthotopic head and neck cancer model. Cancer Science, 2021, 112, 3041-3049.	1.7	15
27	Near infrared photoimmunotherapy for cancers: A translational perspective. EBioMedicine, 2021, 70, 103501.	2.7	30
28	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.	2.5	16
29	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.	1.9	20
30	Future applications of and prospects for near-IR photoimmunotherapy: benefits and differences compared with photodynamic and photothermal therapy. Immunotherapy, 2021, 13, 1305-1307.	1.0	2
31	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.	0.4	20
32	Real-time IR700 Fluorescence Imaging During Near-infrared Photoimmunotherapy Using a Clinically-approved Camera for Indocyanine Green. Cancer Diagnosis & Prognosis, 2021, 1, 29-34.	0.3	11
33	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.	2.7	24
34	Near-Infrared Photoimmunotherapy: Photoactivatable Antibodyâ€"Drug Conjugates (ADCs). Bioconjugate Chemistry, 2020, 31, 28-36.	1.8	45
35	Conjugation Ratio, Light Dose, and pH Affect the Stability of Panitumumabâ€"IR700 for Near-Infrared Photoimmunotherapy. ACS Medicinal Chemistry Letters, 2020, 11, 1598-1604.	1.3	12
36	A near-infrared light-mediated cleavable linker strategy using the heptamethine cyanine chromophore. Methods in Enzymology, 2020, 641, 245-275.	0.4	12

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37	Real-Time Fluorescence Imaging Using Indocyanine Green to Assess Therapeutic Effects of Near-Infrared Photoimmunotherapy in Tumor Model Mice. Molecular Imaging, 2020, 19, 153601212093496.	0.7	4
38	Near-Infrared Photoimmunotherapy Combined with CTLA4 Checkpoint Blockade in Syngeneic Mouse Cancer Models. Vaccines, 2020, 8, 528.	2.1	23
39	Multi-Wavelength Fluorescence in Image-Guided Surgery, Clinical Feasibility and Future Perspectives. Molecular Imaging, 2020, 19, 153601212096233.	0.7	32
40	Increased Immunogenicity of a Minimally Immunogenic Tumor after Cancer-Targeting Near Infrared Photoimmunotherapy. Cancers, 2020, 12, 3747.	1.7	23
41	Wound healing after excision of subcutaneous tumors treated with nearâ€infrared photoimmunotherapy. Cancer Medicine, 2020, 9, 5932-5939.	1.3	4
42	Effect of Short PEG on Near-Infrared BODIPY-Based Activatable Optical Probes. ACS Omega, 2020, 5, 15657-15665.	1.6	4
43	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.	3.3	13
44	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.	1.6	48
45	Targeted Phototherapy for Malignant Pleural Mesothelioma: Near-Infrared Photoimmunotherapy Targeting Podoplanin. Cells, 2020, 9, 1019.	1.8	41
46	Current and new fluorescent probes for fluorescence-guided surgery. , 2020, , 75-114.		2
47	Interleukin-15 after Near-Infrared Photoimmunotherapy (NIR-PIT) Enhances T Cell Response against Syngeneic Mouse Tumors. Cancers, 2020, 12, 2575.	1.7	25
48	Design strategy for germanium-rhodamine based pH-activatable near-infrared fluorescence probes suitable for biological applications. Communications Chemistry, 2019, 2, .	2.0	29
49	Near-Infrared Photoimmunotherapy of Cancer. Accounts of Chemical Research, 2019, 52, 2332-2339.	7.6	286
50	Photoimmunotherapy targeting biliaryâ€pancreatic cancer with humanized antiâ€TROP2 antibody. Cancer Medicine, 2019, 8, 7781-7792.	1.3	33
51	Nearâ€infrared photoimmunotherapy through bone. Cancer Science, 2019, 110, 3689-3694.	1.7	12
52	Enhanced nanodrug delivery in tumors after near-infrared photoimmunotherapy. Nanophotonics, 2019, 8, 1673-1688.	2.9	17
53	The Effect of Antibody Fragments on CD25 Targeted Regulatory T Cell Near-Infrared Photoimmunotherapy. Bioconjugate Chemistry, 2019, 30, 2624-2633.	1.8	35
54	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.	1.6	99

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55	Photoimmunotherapy for cancer-associated fibroblasts targeting fibroblast activation protein in human esophageal squamous cell carcinoma. Cancer Biology and Therapy, 2019, 20, 1234-1248.	1.5	48
56	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.	1.6	57
57	Near infrared photoimmunotherapy using a fiber optic diffuser for treating peritoneal gastric cancer dissemination. Gastric Cancer, 2019, 22, 463-472.	2.7	25
58	Activatable Near-Infrared Fluorescence Imaging Using PEGylated Bacteriochlorin-Based Chlorin and BODIPY-Dyads as Probes for Detecting Cancer. Bioconjugate Chemistry, 2019, 30, 169-183.	1.8	29
59	Near Infrared Photoimmunotherapy for Cancer. , 2019, , .		2
60	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.	4.8	20
61	Near Infrared Photoimmunotherapy with Combined Exposure of External and Interstitial Light Sources. Molecular Pharmaceutics, 2018, 15, 3634-3641.	2.3	40
62	Molecularly Targeted Cancer Combination Therapy with Near-Infrared Photoimmunotherapy and Near-Infrared Photorelease with Duocarmycinâ€"Antibody Conjugate. Molecular Cancer Therapeutics, 2018, 17, 661-670.	1.9	24
63	Activatable fluorescent probes in fluorescence-guided surgery: Practical considerations. Bioorganic and Medicinal Chemistry, 2018, 26, 925-930.	1.4	46
64	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.	5.3	171
65	Endoscopic near infrared photoimmunotherapy using a fiber optic diffuser for peritoneal dissemination of gastric cancer. Cancer Science, 2018, 109, 1902-1908.	1.7	37
66	Interstitial near-infrared photoimmunotherapy: effective treatment areas and light doses needed for use with fiber optic diffusers. Oncotarget, 2018, 9, 11159-11169.	0.8	40
67	Near infrared photoimmunotherapy targeting bladder cancer with a canine anti-epidermal growth factor receptor (EGFR) antibody. Oncotarget, 2018, 9, 19026-19038.	0.8	30
68	Implantable wireless powered light emitting diode (LED) for near-infrared photoimmunotherapy: device development and experimental assessment<i>in vitro</i>and<i>in vivo</i>. Oncotarget, 2018, 9, 20048-20057.	0.8	21
69	Pitfalls on sample preparation for ex vivo imaging of resected cancer tissue using enzyme-activatable fluorescent probes. Oncotarget, 2018, 9, 36039-36047.	0.8	2
70	<i>In Vivo</i> Activation of Duocarmycinâ€"Antibody Conjugates by Near-Infrared Light. ACS Central Science, 2017, 3, 329-337.	5.3	125
71	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.	1.6	54
72	Near-Infrared Photochemoimmunotherapy by Photoactivatable Bifunctional Antibodyâ€"Drug Conjugates Targeting Human Epidermal Growth Factor Receptor 2 Positive Cancer. Bioconjugate Chemistry, 2017, 28, 1458-1469.	1.8	30

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73	Cerenkov Radiationâ€“Induced Photoimmunotherapy with ¹⁸F-FDG. Journal of Nuclear Medicine, 2017, 58, 1395-1400.	2.8	21
74	Epidermal Growth Factor Receptor (EGFR)-targeted Photoimmunotherapy (PIT) for the Treatment of EGFR-expressing Bladder Cancer. Molecular Cancer Therapeutics, 2017, 16, 2201-2214.	1.9	59
75	Near-Infrared Photoimmunotherapy Targeting Prostate Cancer with Prostate-Specific Membrane Antigen (PSMA) Antibody. Molecular Cancer Research, 2017, 15, 1153-1162.	1.5	69
76	Real-time monitoring of microdistribution of antibody-photon absorber conjugates during photoimmunotherapy in vivo. Journal of Controlled Release, 2017, 260, 154-163.	4.8	21
77	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.	1.9	25
78	Syngeneic Mouse Models of Oral Cancer Are Effectively Targeted by Antiâ€“CD44-Based NIR-PIT. Molecular Cancer Research, 2017, 15, 1667-1677.	1.5	64
79	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.	2.3	26
80	Fluorescence-Guided Surgery. Frontiers in Oncology, 2017, 7, 314.	1.3	249
81	Near infrared photoimmunotherapy with avelumab, an anti-programmed death-ligand 1 (PD-L1) antibody. Oncotarget, 2017, 8, 8807-8817.	0.8	68
82	Immunogenic cancer cell death selectively induced by near infrared photoimmunotherapy initiates host tumor immunity. Oncotarget, 2017, 8, 10425-10436.	0.8	179
83	Near-infrared photoimmunotherapy: a comparison of light dosing schedules. Oncotarget, 2017, 8, 35069-35075.	0.8	32
84	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.	0.8	20
85	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.	0.8	10
86	Avoiding thermal injury during near-infrared photoimmunotherapy (NIR-PIT): the importance of NIR light power density. Oncotarget, 2017, 8, 113194-113201.	0.8	32
87	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.	0.8	24
88	Concepts in Diagnostic Probe Design. , 2017, , 177-200.		0
89	Eliciting Host Immunity Selectively against Cancer Cells Treated with Silica-Phthalocyanine-Based Near Infrared Photoimmunotherapy. , 2017, , .		0
90	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.	0.8	32

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91	Near infrared photoimmunotherapy with an anti-mesothelin antibody. Oncotarget, 2016, 7, 23361-23369.	0.8	44
92	Comparative effectiveness of light emitting diodes (LEDs) and Lasers in near infrared photoimmunotherapy. Oncotarget, 2016, 7, 14324-14335.	0.8	42
93	Imaging and Selective Elimination of Glioblastoma Stem Cells with Theranostic Near-Infrared-Labeled CD133-Specific Antibodies. Theranostics, 2016, 6, 862-874.	4.6	71
94	Alterations of filopodia by near infrared photoimmunotherapy: evaluation with 3D low-coherent quantitative phase microscopy. Biomedical Optics Express, 2016, 7, 2738.	1.5	11
95	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.	1.6	22
96	Improved micro-distribution of antibody-photon absorber conjugates after initial near infrared photoimmunotherapy (NIR-PIT). Journal of Controlled Release, 2016, 232, 1-8.	4.8	26
97	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
98	Nanodrug Delivery: Is the Enhanced Permeability and Retention Effect Sufficient for Curing Cancer?. Bioconjugate Chemistry, 2016, 27, 2225-2238.	1.8	726
99	Surgical tissue handling methods to optimize <i>ex vivo</i> fluorescence with the activatable optical probe Î³â€glutamyl hydroxymethyl rhodamine green. Contrast Media and Molecular Imaging, 2016, 11, 572-578.	0.4	9
100	Near infrared photoimmunotherapy of Bâ€cell lymphoma. Molecular Oncology, 2016, 10, 1404-1414.	2.1	46
101	Spatially selective depletion of tumor-associated regulatory T cells with near-infrared photoimmunotherapy. Science Translational Medicine, 2016, 8, 352ra110.	5.8	163
102	Phototheranostics of CD44-positive cell populations in triple negative breast cancer. Scientific Reports, 2016, 6, 27871.	1.6	64
103	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.	1.1	34
104	Monoclonal antibody-based optical molecular imaging probes; considerations and caveats in chemistry, biology and pharmacology. Current Opinion in Chemical Biology, 2016, 33, 32-38.	2.8	39
105	Trastuzumab-Based Photoimmunotherapy Integrated with Viral HER2 Transduction Inhibits Peritoneally Disseminated HER2-Negative Cancer. Molecular Cancer Therapeutics, 2016, 15, 402-411.	1.9	23
106	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.	1.8	57
107	Super enhanced permeability and retention (SUPR) effects in tumors following near infrared photoimmunotherapy. Nanoscale, 2016, 8, 12504-12509.	2.8	86
108	Near-infrared photoimmunotherapy with galactosyl serum albumin in a model of diffuse peritoneal disseminated ovarian cancer. Oncotarget, 2016, 7, 79408-79416.	0.8	17

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109	MR imaging biomarkers for evaluating therapeutic effects shortly after near infrared photoimmunotherapy. Oncotarget, 2016, 7, 17254-17264.	0.8	19
110	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.	0.8	15
111	Rapid intraoperative visualization of breast lesions with Î³-glutamyl hydroxymethyl rhodamine green. Scientific Reports, 2015, 5, 12080.	1.6	89
112	Nearâ€IR Lightâ€Mediated Cleavage of Antibodyâ€"Drug Conjugates Using Cyanine Photocages. Angewandte Chemie - International Edition, 2015, 54, 13635-13638.	7.2	140
113	Near Infrared Photoimmunotherapy in the Treatment of Pleural Disseminated NSCLC: Preclinical Experience. Theranostics, 2015, 5, 698-709.	4.6	81
114	Near Infrared Photoimmunotherapy Targeting EGFR Positive Triple Negative Breast Cancer: Optimizing the Conjugate-Light Regimen. PLoS ONE, 2015, 10, e0136829.	1.1	69
115	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.	1.7	34
116	Sensitive Î²-galactosidase-targeting fluorescence probe for visualizing small peritoneal metastatic tumours in vivo. Nature Communications, 2015, 6, 6463.	5.8	334
117	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.	1.1	24
118	Photoimmunotherapy Targeting Prostate-Specific Membrane Antigen: Are Antibody Fragments as Effective as Antibodies?. Journal of Nuclear Medicine, 2015, 56, 140-144.	2.8	66
119	Near infrared photoimmunotherapy for lung metastases. Cancer Letters, 2015, 365, 112-121.	3.2	62
120	Photoimmunotherapy lowers recurrence after pancreatic cancer surgery in orthotopic nude mouse models. Journal of Surgical Research, 2015, 197, 5-11.	0.8	27
121	Glypican-3 Targeted Human Heavy Chain Antibody as a Drug Carrier for Hepatocellular Carcinoma Therapy. Molecular Pharmaceutics, 2015, 12, 2151-2157.	2.3	59
122	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.	0.7	22
123	Magnetic Resonance Sentinel Lymph Node Imaging of the Prostate with Gadofosveset Trisodiumâ€"Albumin. Academic Radiology, 2015, 22, 646-652.	1.3	17
124	Near Infrared Photoimmunotherapy in the Treatment of Disseminated Peritoneal Ovarian Cancer. Molecular Cancer Therapeutics, 2015, 14, 141-150.	1.9	81
125	Preparation and long-term biodistribution studies of a PAMAM dendrimer G5â€"Gd-BnDOTA conjugate for lymphatic imaging. Nanomedicine, 2015, 10, 1423-1437.	1.7	31
126	Impact of C4â€²-<i>O</i>-Alkyl Linker on <i>in Vivo</i> Pharmacokinetics of Near-Infrared Cyanine/Monoclonal Antibody Conjugates. Molecular Pharmaceutics, 2015, 12, 3303-3311.	2.3	41

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127	Photoimmunotherapy of hepatocellular carcinoma-targeting Glypican-3 combined with nanosized albumin-bound paclitaxel. Nanomedicine, 2015, 10, 1139-1147.	1.7	53
128	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.	1.1	56
129	Near infrared photoimmunotherapy prevents lung cancer metastases in a murine model. Oncotarget, 2015, 6, 19747-19758.	0.8	41
130	Near infrared photo-immunotherapy: A newly developed, target cell-specific cancer theranostic technology. , 2015, , .		0
131	Photoimmunotherapy of Gastric Cancer Peritoneal Carcinomatosis in a Mouse Model. PLoS ONE, 2014, 9, e113276.	1.1	65
132	Real-time monitoring of hemodynamic changes in tumor vessels during photoimmunotherapy using optical coherence tomography. Journal of Biomedical Optics, 2014, 19, 098004.	1.4	18
133	Dynamic fluorescent imaging with indocyanine green for monitoring the therapeutic effects of photoimmunotherapy. Contrast Media and Molecular Imaging, 2014, 9, 276-282.	0.4	15
134	MR lymphangiography with intradermal gadofosveset and human serum albumin in mice and primates. Journal of Magnetic Resonance Imaging, 2014, 40, 691-697.	1.9	9
135	Fluorescenceâ€lifetime molecular imaging can detect invisible peritoneal ovarian tumors in bloody ascites. Cancer Science, 2014, 105, 308-314.	1.7	5
136	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.	1.9	61
137	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.	0.5	13
138	Activatable Organic Near-Infrared Fluorescent Probes Based on a Bacteriochlorin Platform: Synthesis and Multicolor <i>in Vivo</i> Imaging with a Single Excitation. Bioconjugate Chemistry, 2014, 25, 362-369.	1.8	41
139	Cancer Drug Delivery: Considerations in the Rational Design of Nanosized Bioconjugates. Bioconjugate Chemistry, 2014, 25, 2093-2100.	1.8	68
140	The effects of conjugate and light dose on photo-immunotherapy induced cytotoxicity. BMC Cancer, 2014, 14, 389.	1.1	46
141	Dendrimers as high relaxivity <scp>MR</scp> contrast agents. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2014, 6, 155-162.	3.3	39
142	Photoimmunotherapy: Comparative effectiveness of two monoclonal antibodies targeting the epidermal growth factor receptor. Molecular Oncology, 2014, 8, 620-632.	2.1	95
143	Minibody-Indocyanine Green Based Activatable Optical Imaging Probes: The Role of Short Polyethylene Glycol Linkers. ACS Medicinal Chemistry Letters, 2014, 5, 411-415.	1.3	35
144	Improving Conventional Enhanced Permeability and Retention (EPR) Effects; What Is the Appropriate Target?. Theranostics, 2014, 4, 81-89.	4.6	792

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145	New technologies of cancer cell-specific molecular imaging and near infrared photoimmunotherapy. Drug Delivery System, 2014, 29, 274-284.	0.0	0
146	Polychromatic in vivo imaging of multiple targets using visible and near infrared light. Advanced Drug Delivery Reviews, 2013, 65, 1112-1119.	6.6	12
147	Markedly Enhanced Permeability and Retention Effects Induced by Photo-immunotherapy of Tumors. ACS Nano, 2013, 7, 717-724.	7.3	237
148	<i>In vivo</i> realâ€time lymphatic draining using quantumâ€dot optical imaging in mice. Contrast Media and Molecular Imaging, 2013, 8, 96-100.	0.4	17
149	Short PEG-Linkers Improve the Performance of Targeted, Activatable Monoclonal Antibody-Indocyanine Green Optical Imaging Probes. Bioconjugate Chemistry, 2013, 24, 811-816.	1.8	53
150	Monoclonal antibodyâ€"fluorescent probe conjugates for <i>in vivo</i> target-specific cancer imaging: toward clinical translation. Therapeutic Delivery, 2013, 4, 523-525.	1.2	4
151	Acute Cytotoxic Effects of Photoimmunotherapy Assessed by ¹⁸F-FDG PET. Journal of Nuclear Medicine, 2013, 54, 770-775.	2.8	30
152	Activatable fluorescent cys-diabody conjugated with indocyanine green derivative: consideration of fluorescent catabolite kinetics on molecular imaging. Journal of Biomedical Optics, 2013, 18, 101304.	1.4	18
153	Endoscopic molecular imaging of cancer. Future Oncology, 2013, 9, 1501-1513.	1.1	3
154	Improving the Efficacy of Photoimmunotherapy (PIT) using a Cocktail of Antibody Conjugates in a Multiple Antigen Tumor Model. Theranostics, 2013, 3, 357-365.	4.6	74
155	Recipe for a new imaging biomarker: carefully combine target, reagent, and technology. Kidney International, 2012, 81, 129-131.	2.6	1
156	The Use of Fluorescent Proteins for Developing Cancer-Specific Target Imaging Probes. Methods in Molecular Biology, 2012, 872, 191-204.	0.4	10
157	Real-time Monitoring of <i>In Vivo</i> Acute Necrotic Cancer Cell Death Induced by Near Infrared Photoimmunotherapy Using Fluorescence Lifetime Imaging. Cancer Research, 2012, 72, 4622-4628.	0.4	77
158	Response to Comment on â€œRapid Cancer Detection by Topically Spraying a Î³-Glutamyltranspeptidaseâ€"Activated Fluorescent Probeâ€ Science Translational Medicine, 2012, 4, .	5.8	1
159	Medical Uses of Fluorescence Imaging: Bringing Disease to Light. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1140-1146.	1.9	18
160	In vivo breast cancer characterization imaging using two monoclonal antibodies activatably labeled with near infrared fluorophores. Breast Cancer Research, 2012, 14, R61.	2.2	60
161	Gadolinium MRI Contrast Agents Based on Triazine Dendrimers: Relaxivity and In Vivo Pharmacokinetics. Bioconjugate Chemistry, 2012, 23, 2291-2299.	1.8	49
162	Near-infrared Theranostic Photoimmunotherapy (PIT): Repeated Exposure of Light Enhances the Effect of Immunoconjugate. Bioconjugate Chemistry, 2012, 23, 604-609.	1.8	136

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163	Immediate in vivo target-specific cancer cell death after near infrared photoimmunotherapy. BMC Cancer, 2012, 12, 345.	1.1	86
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