

Hisataka Kobayashi

List of Publications by Citations

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279
papers

19,141
citations

68
h-index

130
g-index

296
ext. papers

21,501
ext. citations

7.2
avg, IF

6.99
L-index

#	Paper	IF	Citations
279	New strategies for fluorescent probe design in medical diagnostic imaging. <i>Chemical Reviews</i> , 2010 , 110, 2620-40	68.1	1668
278	Clearance properties of nano-sized particles and molecules as imaging agents: considerations and caveats. <i>Nanomedicine</i> , 2008 , 3, 703-17	5.6	1409
277	Cancer cell-selective in vivo near infrared photoimmunotherapy targeting specific membrane molecules. <i>Nature Medicine</i> , 2011 , 17, 1685-91	50.5	665
276	Selective molecular imaging of viable cancer cells with pH-activatable fluorescence probes. <i>Nature Medicine</i> , 2009 , 15, 104-9	50.5	657
275	Improving conventional enhanced permeability and retention (EPR) effects; what is the appropriate target?. <i>Theranostics</i> , 2013 , 4, 81-9	12.1	635
274	Nanodrug Delivery: Is the Enhanced Permeability and Retention Effect Sufficient for Curing Cancer?. <i>Bioconjugate Chemistry</i> , 2016 , 27, 2225-2238	6.3	480
273	Nano-sized MRI contrast agents with dendrimer cores. <i>Advanced Drug Delivery Reviews</i> , 2005 , 57, 2271-86	68.5	392
272	Rapid cancer detection by topically spraying a β -glutamyltranspeptidase-activated fluorescent probe. <i>Science Translational Medicine</i> , 2011 , 3, 110ra119	17.5	323
271	Target-cancer-cell-specific activatable fluorescence imaging probes: rational design and in vivo applications. <i>Accounts of Chemical Research</i> , 2011 , 44, 83-90	24.3	314
270	Simultaneous multicolor imaging of five different lymphatic basins using quantum dots. <i>Nano Letters</i> , 2007 , 7, 1711-6	11.5	282
269	Toxicity of Organic Fluorophores Used in Molecular Imaging: Literature Review. <i>Molecular Imaging</i> , 2009 , 8, 7290.2009.00031	3.7	278
268	In vivo molecular imaging of cancer with a quenching near-infrared fluorescent probe using conjugates of monoclonal antibodies and indocyanine green. <i>Cancer Research</i> , 2009 , 69, 1268-72	10.1	263
267	Sensitive β -galactosidase-targeting fluorescence probe for visualizing small peritoneal metastatic tumours in vivo. <i>Nature Communications</i> , 2015 , 6, 6463	17.4	249
266	Dendrimer-based nanoprobe for dual modality magnetic resonance and fluorescence imaging. <i>Nano Letters</i> , 2006 , 6, 1459-63	11.5	236
265	Macromolecular MRI contrast agents with small dendrimers: pharmacokinetic differences between sizes and cores. <i>Bioconjugate Chemistry</i> , 2003 , 14, 388-94	6.3	233
264	Markedly enhanced permeability and retention effects induced by photo-immunotherapy of tumors. <i>ACS Nano</i> , 2013 , 7, 717-24	16.7	187
263	Rational chemical design of the next generation of molecular imaging probes based on physics and biology: mixing modalities, colors and signals. <i>Chemical Society Reviews</i> , 2011 , 40, 4626-48	58.5	178

262	Multimodal nanoprobes for radionuclide and five-color near-infrared optical lymphatic imaging. <i>ACS Nano</i> , 2007 , 1, 258-64	16.7	168
261	Near-Infrared Photoimmunotherapy of Cancer. <i>Accounts of Chemical Research</i> , 2019 , 52, 2332-2339	24.3	160
260	Fluorescence-Guided Surgery. <i>Frontiers in Oncology</i> , 2017 , 7, 314	5.3	150
259	Dendrimer-based macromolecular MRI contrast agents: characteristics and application. <i>Molecular Imaging</i> , 2003 , 2, 1-10	3.7	148
258	H-type dimer formation of fluorophores: a mechanism for activatable, in vivo optical molecular imaging. <i>ACS Chemical Biology</i> , 2009 , 4, 535-46	4.9	146
257	An enzymatically activated fluorescence probe for targeted tumor imaging. <i>Journal of the American Chemical Society</i> , 2007 , 129, 3918-29	16.4	141
256	Biologically optimized nanosized molecules and particles: more than just size. <i>Bioconjugate Chemistry</i> , 2011 , 22, 993-1000	6.3	136
255	3D-micro-MR angiography of mice using macromolecular MR contrast agents with polyamidoamine dendrimer core with reference to their pharmacokinetic properties. <i>Magnetic Resonance in Medicine</i> , 2001 , 45, 454-60	4.4	133
254	Dendrimer-based nanosized MRI contrast agents. <i>Current Pharmaceutical Biotechnology</i> , 2004 , 5, 539-49	2.6	133
253	Lymphatic drainage imaging of breast cancer in mice by micro-magnetic resonance lymphangiography using a nano-size paramagnetic contrast agent. <i>Journal of the National Cancer Institute</i> , 2004 , 96, 703-8	9.7	131
252	Macromolecular MRI contrast agents for imaging tumor angiogenesis. <i>European Journal of Radiology</i> , 2006 , 60, 353-66	4.7	130
251	Immunogenic cancer cell death selectively induced by near infrared photoimmunotherapy initiates host tumor immunity. <i>Oncotarget</i> , 2017 , 8, 10425-10436	3.3	123
250	Toxicity of organic fluorophores used in molecular imaging: literature review. <i>Molecular Imaging</i> , 2009 , 8, 341-54	3.7	122
249	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. <i>Journal of Controlled Release</i> , 2006 , 111, 343-51	11.7	121
248	Spatially selective depletion of tumor-associated regulatory T cells with near-infrared photoimmunotherapy. <i>Science Translational Medicine</i> , 2016 , 8, 352ra110	17.5	120
247	A dendrimer-based nanosized contrast agent dual-labeled for magnetic resonance and optical fluorescence imaging to localize the sentinel lymph node in mice. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 25, 866-71	5.6	119
246	Clinical implications of near-infrared fluorescence imaging in cancer. <i>Future Oncology</i> , 2009 , 5, 1501-11	3.6	116
245	Near-infrared theranostic photoimmunotherapy (PIT): repeated exposure of light enhances the effect of immunoconjugate. <i>Bioconjugate Chemistry</i> , 2012 , 23, 604-9	6.3	115

244	Dendrimer-based contrast agents for molecular imaging. <i>Current Topics in Medicinal Chemistry</i> , 2008 , 8, 1180-6	3	113
243	Pharmacokinetics and enhancement patterns of macromolecular MR contrast agents with various sizes of polyamidoamine dendrimer cores. <i>Magnetic Resonance in Medicine</i> , 2001 , 46, 1169-73	4.4	113
242	Positive effects of polyethylene glycol conjugation to generation-4 polyamidoamine dendrimers as macromolecular MR contrast agents. <i>Magnetic Resonance in Medicine</i> , 2001 , 46, 781-8	4.4	111
241	Imaging of the lymphatic system: new horizons. <i>Contrast Media and Molecular Imaging</i> , 2006 , 1, 230-45	3.2	109
240	Preparation and preliminary evaluation of a biotin-targeted, lectin-targeted dendrimer-based probe for dual-modality magnetic resonance and fluorescence imaging. <i>Bioconjugate Chemistry</i> , 2007 , 18, 1474-82	6.3	109
239	Simultaneous two-color spectral fluorescence lymphangiography with near infrared quantum dots to map two lymphatic flows from the breast and the upper extremity. <i>Breast Cancer Research and Treatment</i> , 2007 , 103, 23-8	4.4	106
238	Dendrimer-based MRI contrast agents: the effects of PEGylation on relaxivity and pharmacokinetics. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011 , 7, 1001-8	6	104
237	Targeted, activatable, in vivo fluorescence imaging of prostate-specific membrane antigen (PSMA) positive tumors using the quenched humanized J591 antibody-indocyanine green (ICG) conjugate. <i>Bioconjugate Chemistry</i> , 2011 , 22, 1700-5	6.3	104
236	In vivo multiple color lymphatic imaging using upconverting nanocrystals. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6481		104
235	Photoinduced Ligand Release from a Silicon Phthalocyanine Dye Conjugated with Monoclonal Antibodies: A Mechanism of Cancer Cell Cytotoxicity after Near-Infrared Photoimmunotherapy. <i>ACS Central Science</i> , 2018 , 4, 1559-1569	16.8	102
234	Near-IR Light-Mediated Cleavage of Antibody-Drug Conjugates Using Cyanine Photocages. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13635-8	16.4	101
233	Increased (18)F-FDG uptake in a model of inflammation: concanavalin A-mediated lymphocyte activation. <i>Journal of Nuclear Medicine</i> , 2002 , 43, 658-63	8.9	101
232	In vivo diagnosis of epidermal growth factor receptor expression using molecular imaging with a cocktail of optically labeled monoclonal antibodies. <i>Clinical Cancer Research</i> , 2007 , 13, 6639-48	12.9	98
231	Evaluation of the in vivo biodistribution of indium-111 and yttrium-88 labeled dendrimer-1B4M-DTPA and its conjugation with anti-Tac monoclonal antibody. <i>Bioconjugate Chemistry</i> , 1999 , 10, 103-11	6.3	98
230	Comparison of dendrimer-based macromolecular contrast agents for dynamic micro-magnetic resonance lymphangiography. <i>Magnetic Resonance in Medicine</i> , 2003 , 50, 758-66	4.4	97
229	A target cell-specific activatable fluorescence probe for in vivo molecular imaging of cancer based on a self-quenched avidin-rhodamine conjugate. <i>Cancer Research</i> , 2007 , 67, 2791-9	10.1	95
228	Avidin-dendrimer-(1B4M-Gd)(254): a tumor-targeting therapeutic agent for gadolinium neutron capture therapy of intraperitoneal disseminated tumor which can be monitored by MRI. <i>Bioconjugate Chemistry</i> , 2001 , 12, 587-93	6.3	91
227	Monoclonal antibody-dendrimer conjugates enable radiolabeling of antibody with markedly high specific activity with minimal loss of immunoreactivity. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2000 , 27, 1334-9		90

226	Influence of dendrimer generation and polyethylene glycol length on the biodistribution of PEGylated dendrimers. <i>International Journal of Pharmaceutics</i> , 2010 , 383, 293-6	6.5	89
225	Fluorophore-quencher based activatable targeted optical probes for detecting in vivo cancer metastases. <i>Molecular Pharmaceutics</i> , 2009 , 6, 386-95	5.6	88
224	Micro-magnetic resonance lymphangiography in mice using a novel dendrimer-based magnetic resonance imaging contrast agent. <i>Cancer Research</i> , 2003 , 63, 271-6	10.1	86
223	Activation of Duocarmycin-Antibody Conjugates by Near-Infrared Light. <i>ACS Central Science</i> , 2017 , 3, 329-337	16.8	85
222	In vivo target-specific activatable near-infrared optical labeling of humanized monoclonal antibodies. <i>Molecular Cancer Therapeutics</i> , 2009 , 8, 232-9	6.1	85
221	Dual-modality molecular imaging using antibodies labeled with activatable fluorescence and a radionuclide for specific and quantitative targeted cancer detection. <i>Bioconjugate Chemistry</i> , 2009 , 20, 2177-84	6.3	85
220	Near infrared fluorescence-guided real-time endoscopic detection of peritoneal ovarian cancer nodules using intravenously injected indocyanine green. <i>International Journal of Cancer</i> , 2011 , 129, 1671-75	7.5	82
219	In vivo molecular imaging to diagnose and subtype tumors through receptor-targeted optically labeled monoclonal antibodies. <i>Neoplasia</i> , 2007 , 9, 1021-9	6.4	80
218	Micro-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 dendrimer-based MR contrast agents. <i>Journal of Magnetic Resonance Imaging</i> , 2001 , 14, 705-13	5.6	78
217	Photoimmunotherapy: comparative effectiveness of two monoclonal antibodies targeting the epidermal growth factor receptor. <i>Molecular Oncology</i> , 2014 , 8, 620-32	7.9	77
216	Application of a macromolecular contrast agent for detection of alterations of tumor vessel permeability induced by radiation. <i>Clinical Cancer Research</i> , 2004 , 10, 7712-20	12.9	71
215	Rapid intraoperative visualization of breast lesions with 5-(and 6-)glutamyl hydroxymethyl rhodamine green. <i>Scientific Reports</i> , 2015 , 5, 12080	4.9	70
214	Immediate in vivo target-specific cancer cell death after near infrared photoimmunotherapy. <i>BMC Cancer</i> , 2012 , 12, 345	4.8	70
213	Novel liver macromolecular MR contrast agent with a polypropylenimine diaminobutyl dendrimer core: comparison to the vascular MR contrast agent with the polyamidoamine dendrimer core. <i>Magnetic Resonance in Medicine</i> , 2001 , 46, 795-802	4.4	70
212	Near infrared photoimmunotherapy in the treatment of disseminated peritoneal ovarian cancer. <i>Molecular Cancer Therapeutics</i> , 2015 , 14, 141-50	6.1	69
211	Near infrared photoimmunotherapy in the treatment of pleural disseminated NSCLC: preclinical experience. <i>Theranostics</i> , 2015 , 5, 698-709	12.1	67
210	Real-time monitoring of in vivo acute necrotic cancer cell death induced by near infrared photoimmunotherapy using fluorescence lifetime imaging. <i>Cancer Research</i> , 2012 , 72, 4622-8	10.1	67
209	Spectral fluorescence molecular imaging of lung metastases targeting HER2/neu. <i>Clinical Cancer Research</i> , 2007 , 13, 2936-45	12.9	67

208	Renal tubular damage detected by dynamic micro-MRI with a dendrimer-based magnetic resonance contrast agent. <i>Kidney International</i> , 2002 , 61, 1980-5	9.9	67
207	Improving the efficacy of Photoimmunotherapy (PIT) using a cocktail of antibody conjugates in a multiple antigen tumor model. <i>Theranostics</i> , 2013 , 3, 357-65	12.1	66
206	Dendrimers in medical nanotechnology. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2009 , 28, 12-22		66
205	In vivo real-time, multicolor, quantum dot lymphatic imaging. <i>Journal of Investigative Dermatology</i> , 2009 , 129, 2818-22	4.3	65
204	Determination of optimal rhodamine fluorophore for in vivo optical imaging. <i>Bioconjugate Chemistry</i> , 2008 , 19, 1735-42	6.3	65
203	Polyamine dendrimer-based MRI contrast agents for functional kidney imaging to diagnose acute renal failure. <i>Journal of Magnetic Resonance Imaging</i> , 2004 , 20, 512-8	5.6	65
202	Comparison of the macromolecular MR contrast agents with ethylenediamine-core versus ammonia-core generation-6 polyamidoamine dendrimer. <i>Bioconjugate Chemistry</i> , 2001 , 12, 100-7	6.3	64
201	Multiplexed imaging in cancer diagnosis: applications and future advances. <i>Lancet Oncology</i> , 2010 , 11, 589-95	21.7	62
200	Molecular probes for the in vivo imaging of cancer. <i>Molecular BioSystems</i> , 2009 , 5, 1279-91		62
199	Cancer drug delivery: considerations in the rational design of nanosized bioconjugates. <i>Bioconjugate Chemistry</i> , 2014 , 25, 2093-100	6.3	60
198	In vivo molecular imaging using nanomaterials: general in vivo characteristics of nano-sized reagents and applications for cancer diagnosis. <i>Molecular Membrane Biology</i> , 2010 , 27, 274-85	3.4	58
197	Host Immunity Following Near-Infrared Photoimmunotherapy Is Enhanced with PD-1 Checkpoint Blockade to Eradicate Established Antigenic Tumors. <i>Cancer Immunology Research</i> , 2019 , 7, 401-413	12.5	57
196	Near Infrared Photoimmunotherapy Targeting EGFR Positive Triple Negative Breast Cancer: Optimizing the Conjugate-Light Regimen. <i>PLoS ONE</i> , 2015 , 10, e0136829	3.7	57
195	Super enhanced permeability and retention (SUPR) effects in tumors following near infrared photoimmunotherapy. <i>Nanoscale</i> , 2016 , 8, 12504-9	7.7	56
194	Photoimmunotherapy targeting prostate-specific membrane antigen: are antibody fragments as effective as antibodies?. <i>Journal of Nuclear Medicine</i> , 2015 , 56, 140-4	8.9	55
193	Multiplexing with multispectral imaging: from mice to microscopy. <i>ILAR Journal</i> , 2008 , 49, 78-88	1.7	55
192	Imaging and Selective Elimination of Glioblastoma Stem Cells with Theranostic Near-Infrared-Labeled CD133-Specific Antibodies. <i>Theranostics</i> , 2016 , 6, 862-74	12.1	55
191	Near-Infrared Photoimmunotherapy Targeting Prostate Cancer with Prostate-Specific Membrane Antigen (PSMA) Antibody. <i>Molecular Cancer Research</i> , 2017 , 15, 1153-1162	6.6	53

190	Galactosyl human serum albumin-NMP1 conjugate: a near infrared (NIR)-activatable fluorescence imaging agent to detect peritoneal ovarian cancer metastases. <i>Bioconjugate Chemistry</i> , 2012 , 23, 1671-9	6.3	53
189	Multicolor imaging of lymphatic function with two nanomaterials: quantum dot-labeled cancer cells and dendrimer-based optical agents. <i>Nanomedicine</i> , 2009 , 4, 411-9	5.6	53
188	Toward improved syntheses of dendrimer-based magnetic resonance imaging contrast agents: new bifunctional diethylenetriaminepentaacetic acid ligands and nonaqueous conjugation chemistry. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 3185-93	8.3	53
187	Photoimmunotherapy of gastric cancer peritoneal carcinomatosis in a mouse model. <i>PLoS ONE</i> , 2014 , 9, e113276	3.7	51
186	In vivo breast cancer characterization imaging using two monoclonal antibodies activatably labeled with near infrared fluorophores. <i>Breast Cancer Research</i> , 2012 , 14, R61	8.3	51
185	In vivo spectral fluorescence imaging of submillimeter peritoneal cancer implants using a lectin-targeted optical agent. <i>Neoplasia</i> , 2006 , 8, 607-12	6.4	51
184	Near infrared photoimmunotherapy with avelumab, an anti-programmed death-ligand 1 (PD-L1) antibody. <i>Oncotarget</i> , 2017 , 8, 8807-8817	3.3	51
183	Glypican-3 targeted human heavy chain antibody as a drug carrier for hepatocellular carcinoma therapy. <i>Molecular Pharmaceutics</i> , 2015 , 12, 2151-7	5.6	50
182	Near infrared photoimmunotherapy for lung metastases. <i>Cancer Letters</i> , 2015 , 365, 112-21	9.9	49
181	High sensitivity detection of cancer in vivo using a dual-controlled activation fluorescent imaging probe based on H-dimer formation and pH activation. <i>Molecular BioSystems</i> , 2010 , 6, 888-93		49
180	Multicolor in vivo targeted imaging to guide real-time surgery of HER2-positive micrometastases in a two-tumor coincident model of ovarian cancer. <i>Cancer Science</i> , 2009 , 100, 1099-104	6.9	49
179	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. <i>Molecular Cancer Therapeutics</i> , 2014 , 13, 426-32	6.1	48
178	Short PEG-linkers improve the performance of targeted, activatable monoclonal antibody-indocyanine green optical imaging probes. <i>Bioconjugate Chemistry</i> , 2013 , 24, 811-6	6.3	48
177	Activatable fluorescent molecular imaging of peritoneal metastases following pretargeting with a biotinylated monoclonal antibody. <i>Cancer Research</i> , 2007 , 67, 3809-17	10.1	48
176	Dendrimer-enhanced MRI as a diagnostic and prognostic biomarker of sepsis-induced acute renal failure in aged mice. <i>Kidney International</i> , 2005 , 67, 2159-67	9.9	48
175	Phototheranostics of CD44-positive cell populations in triple negative breast cancer. <i>Scientific Reports</i> , 2016 , 6, 27871	4.9	47
174	Activatable optical imaging with a silica-rhodamine based near infrared (SiR700) fluorophore: a comparison with cyanine based dyes. <i>Bioconjugate Chemistry</i> , 2011 , 22, 2531-8	6.3	47
173	Detection of lymph node involvement in hematologic malignancies using micromagnetic resonance lymphangiography with a gadolinium-labeled dendrimer nanoparticle. <i>Neoplasia</i> , 2005 , 7, 984-91	6.4	47

172	A Near-Infrared, Wavelength-Shiftable, Turn-on Fluorescent Probe for the Detection and Imaging of Cancer Tumor Cells. <i>ACS Chemical Biology</i> , 2017 , 12, 1121-1132	4.9	45
171	A comparison of the emission efficiency of four common green fluorescence dyes after internalization into cancer cells. <i>Bioconjugate Chemistry</i> , 2006 , 17, 1426-31	6.3	45
170	Syngeneic Mouse Models of Oral Cancer Are Effectively Targeted by Anti-CD44-Based NIR-PIT. <i>Molecular Cancer Research</i> , 2017 , 15, 1667-1677	6.6	44
169	Targeted optical imaging of cancer cells using lectin-binding BODIPY conjugated avidin. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 348, 807-13	3.4	44
168	Gadolinium-labeled dendrimers as biometric nanoprobe to detect vascular permeability. <i>Journal of Materials Chemistry</i> , 2003 , 13, 1523		44
167	Two-color lymphatic mapping using Ig-conjugated near infrared optical probes. <i>Journal of Investigative Dermatology</i> , 2007 , 127, 2351-6	4.3	43
166	Role of Fluorophore Charge on the In Vivo Optical Imaging Properties of Near-Infrared Cyanine Dye/Monoclonal Antibody Conjugates. <i>Bioconjugate Chemistry</i> , 2016 , 27, 404-13	6.3	42
165	Epidermal Growth Factor Receptor (EGFR)-targeted Photoimmunotherapy (PIT) for the Treatment of EGFR-expressing Bladder Cancer. <i>Molecular Cancer Therapeutics</i> , 2017 , 16, 2201-2214	6.1	42
164	Nanoparticles in sentinel lymph node mapping. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2009 , 1, 610-23	9.2	42
163	3D MR angiography of intratumoral vasculature using a novel macromolecular MR contrast agent. <i>Magnetic Resonance in Medicine</i> , 2001 , 46, 579-85	4.4	42
162	Photoimmunotherapy of hepatocellular carcinoma-targeting Glypican-3 combined with nanosized albumin-bound paclitaxel. <i>Nanomedicine</i> , 2015 , 10, 1139-47	5.6	41
161	Gadolinium MRI contrast agents based on triazine dendrimers: relaxivity and in vivo pharmacokinetics. <i>Bioconjugate Chemistry</i> , 2012 , 23, 2291-9	6.3	41
160	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. <i>PLoS ONE</i> , 2015 , 10, e0121989	3.7	41
159	Near infrared photoimmunotherapy of B-cell lymphoma. <i>Molecular Oncology</i> , 2016 , 10, 1404-1414	7.9	40
158	Near-infrared photoimmunotherapy of cancer: a new approach that kills cancer cells and enhances anti-cancer host immunity. <i>International Immunology</i> , 2021 , 33, 7-15	4.9	40
157	Novel intravascular macromolecular MRI contrast agent with generation-4 polyamidoamine dendrimer core: accelerated renal excretion with coinjection of lysine. <i>Magnetic Resonance in Medicine</i> , 2001 , 46, 457-64	4.4	39
156	Real-time optical imaging using quantum dot and related nanocrystals. <i>Nanomedicine</i> , 2010 , 5, 765-76	5.6	38
155	Hepatocyte targeting of ¹¹¹ In-labeled oligo-DNA with avidin or avidin-dendrimer complex. <i>Journal of Controlled Release</i> , 2004 , 95, 133-41	11.7	38

154	New nanosized biocompatible MR contrast agents based on lysine-dendri-graft macromolecules. <i>Bioconjugate Chemistry</i> , 2010 , 21, 955-60	6.3	37
153	Near infrared photoimmunotherapy with an anti-mesothelin antibody. <i>Oncotarget</i> , 2016 , 7, 23361-9	3.3	37
152	New approaches to lymphatic imaging. <i>Lymphatic Research and Biology</i> , 2009 , 7, 205-14	2.3	36
151	In vivo stable tumor-specific painting in various colors using dehalogenase-based protein-tag fluorescent ligands. <i>Bioconjugate Chemistry</i> , 2009 , 20, 1367-74	6.3	36
150	A self-quenched galactosamine-serum albumin-rhodamineX conjugate: a "smart" fluorescent molecular imaging probe synthesized with clinically applicable material for detecting peritoneal ovarian cancer metastases. <i>Clinical Cancer Research</i> , 2007 , 13, 6335-43	12.9	36
149	D-galactose receptor-targeted in vivo spectral fluorescence imaging of peritoneal metastasis using galactosamin-conjugated serum albumin-rhodamine green. <i>Journal of Biomedical Optics</i> , 2007 , 12, 051501-5	3.5	35
148	Activatable organic near-infrared fluorescent probes based on a bacteriochlorin platform: synthesis and multicolor in vivo imaging with a single excitation. <i>Bioconjugate Chemistry</i> , 2014 , 25, 362-9	6.3	34
147	Magnetic resonance lymphangiography with a nano-sized gadolinium-labeled dendrimer in small and large animal models. <i>Nanomedicine</i> , 2010 , 5, 1183-91	5.6	34
146	Targeted optical fluorescence imaging of human ovarian adenocarcinoma using a galactosyl serum albumin-conjugated fluorophore. <i>Cancer Science</i> , 2007 , 98, 1727-33	6.9	34
145	Near-Infrared Photoimmunotherapy: Photoactivatable Antibody-Drug Conjugates (ADCs). <i>Bioconjugate Chemistry</i> , 2020 , 31, 28-36	6.3	34
144	Impact of C4QO-Alkyl Linker on in Vivo Pharmacokinetics of Near-Infrared Cyanine/Monoclonal Antibody Conjugates. <i>Molecular Pharmaceutics</i> , 2015 , 12, 3303-11	5.6	33
143	The effects of conjugate and light dose on photo-immunotherapy induced cytotoxicity. <i>BMC Cancer</i> , 2014 , 14, 389	4.8	33
142	Lymphatic dysfunction in transgenic mice expressing KSHV k-cyclin under the control of the VEGFR-3 promoter. <i>Blood</i> , 2005 , 105, 2356-63	2.2	33
141	Activatable fluorescent probes in fluorescence-guided surgery: Practical considerations. <i>Bioorganic and Medicinal Chemistry</i> , 2018 , 26, 925-930	3.4	33
140	Dendrimers as high relaxivity MR contrast agents. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2014 , 6, 155-62	9.2	32
139	Targeting Epidermal Growth Factor Receptor (EGFR) and Human Epidermal Growth Factor Receptor 2 (HER2) Expressing Bladder Cancer Using Combination Photoimmunotherapy (PIT). <i>Scientific Reports</i> , 2019 , 9, 2084	4.9	31
138	Self-illuminating in vivo lymphatic imaging using a bioluminescence resonance energy transfer quantum dot nano-particle. <i>Contrast Media and Molecular Imaging</i> , 2011 , 6, 55-9	3.2	31
137	Production of multiple growth factors by a newly established human thyroid carcinoma cell line. <i>Japanese Journal of Cancer Research</i> , 1992 , 83, 153-8		31

136	Monoclonal antibody-based optical molecular imaging probes; considerations and caveats in chemistry, biology and pharmacology. <i>Current Opinion in Chemical Biology</i> , 2016 , 33, 32-8	9.7	30
135	Activated clearance of a biotinylated macromolecular MRI contrast agent from the blood pool using an avidin chase. <i>Bioconjugate Chemistry</i> , 2003 , 14, 1044-7	6.3	30
134	Comparative effectiveness of light emitting diodes (LEDs) and Lasers in near infrared photoimmunotherapy. <i>Oncotarget</i> , 2016 , 7, 14324-35	3.3	30
133	Near infrared photoimmunotherapy prevents lung cancer metastases in a murine model. <i>Oncotarget</i> , 2015 , 6, 19747-58	3.3	29
132	Minibody-indocyanine green based activatable optical imaging probes: the role of short polyethylene glycol linkers. <i>ACS Medicinal Chemistry Letters</i> , 2014 , 5, 411-5	4.3	28
131	Interstitial near-infrared photoimmunotherapy: effective treatment areas and light doses needed for use with fiber optic diffusers. <i>Oncotarget</i> , 2018 , 9, 11159-11169	3.3	28
130	Preparation and long-term biodistribution studies of a PAMAM dendrimer G5-Gd-BnDOTA conjugate for lymphatic imaging. <i>Nanomedicine</i> , 2015 , 10, 1423-37	5.6	27
129	Selective cell elimination in vitro and in vivo from tissues and tumors using antibodies conjugated with a near infrared phthalocyanine. <i>RSC Advances</i> , 2015 , 5, 25105-25114	3.7	27
128	Tumor-specific detection of an optically targeted antibody combined with a quencher-conjugated neutravidin "quencher-chaser": a dual "quench and chase" strategy to improve target to nontarget ratios for molecular imaging of cancer. <i>Bioconjugate Chemistry</i> , 2009 , 20, 147-54	6.3	26
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126	Near Infrared Photoimmunotherapy with Combined Exposure of External and Interstitial Light Sources. <i>Molecular Pharmaceutics</i> , 2018 , 15, 3634-3641	5.6	25
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