

Samuel Achilefu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

279
papers

12,296
citations

60
h-index

101
g-index

328
ext. papers

13,911
ext. citations

7
avg, IF

6.57
L-index

#	Paper	IF	Citations
279	Liposomal phytohemagglutinin: In vivo T-cell activator as a novel pan-cancer immunotherapy.. <i>Journal of Cellular and Molecular Medicine</i> , 2022 ,	5.6	1
278	Early Expression of MMP-9 Predicts Recovery of Tibialis Anterior after Sciatic Nerve Crush Injury.. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2022 , 10, e4260	1.2	
277	Inactivation of multidrug-resistant bacteria and bacterial spores and generation of high-potency bacterial vaccines using ultrashort pulsed lasers. <i>Journal of Biophotonics</i> , 2021 , e202100207	3.1	0
276	Non-invasive monitoring of arthritis treatment response via targeting of tyrosine-phosphorylated annexin A2 in chondrocytes. <i>Arthritis Research and Therapy</i> , 2021 , 23, 265	5.7	
275	Side-chain modification of collagen-targeting peptide prevents dye aggregation for improved molecular imaging of arthritic joints. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021 , 113624	4.7	24
274	Targeted Therapy to β Integrin Reduces Chemoresistance in Breast Cancer Bone Metastases. <i>Molecular Cancer Therapeutics</i> , 2021 , 20, 1183-1198	6.1	6
273	Calcium carbonate nanoparticles stimulate cancer cell reprogramming to suppress tumor growth and invasion in an organ-on-a-chip system. <i>Scientific Reports</i> , 2021 , 11, 9246	4.9	3
272	Development of [Zr]DFO-elotuzumab for immunoPET imaging of CS1 in multiple myeloma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 1302-1311	8.8	4
271	Virtual and Augmented Reality Technologies in Molecular and Anatomical Imaging 2021 , 1591-1612		
270	Nanoparticle T-cell engagers as a modular platform for cancer immunotherapy. <i>Leukemia</i> , 2021 , 35, 2346-2357	6.7	12
269	Nanoparticle T cell engagers for the treatment of acute myeloid leukemia. <i>Oncotarget</i> , 2021 , 12, 1878-1885	3.9	1
268	Multifunctional Thio-Stabilized Gold Nanoparticles for Near-Infrared Fluorescence Detection and Imaging of Activated Caspase-3. <i>Current Analytical Chemistry</i> , 2021 , 17, 1182-1193	1.7	2
267	In vivo quantitative assessment of therapeutic response to bortezomib therapy in disseminated animal models of multiple myeloma with [F]FDG and [Cu]Cu-LLP2A PET. <i>EJNMMI Research</i> , 2021 , 11, 97	3.6	0
266	Orthogonal targeting of osteoclasts and myeloma cells for radionuclide stimulated dynamic therapy induces multidimensional cell death pathways. <i>Theranostics</i> , 2021 , 11, 7735-7754	12.1	1
265	Photoacoustic laser effects in live mouse blastocysts: pilot safety studies of DNA damage from photoacoustic imaging doses. <i>F&S Science</i> , 2020 , 1, 53-58	0.4	1
264	Head-Mounted Devices for Noninvasive Cancer Imaging and Intraoperative Image-Guided Surgery. <i>Advanced Functional Materials</i> , 2020 , 30, 2000185	15.6	2
263	Reduced Nhe1 (Na-H Exchanger-1) Function Protects ApoE-Deficient Mice From Ang II (Angiotensin II)-Induced Abdominal Aortic Aneurysms. <i>Hypertension</i> , 2020 , 76, 87-100	8.5	1

262	Selective imaging of solid tumours via the calcium-dependent high-affinity binding of a cyclic octapeptide to phosphorylated Annexin A2. <i>Nature Biomedical Engineering</i> , 2020 , 4, 298-313	19	18
261	Effects of core titanium crystal dimension and crystal phase on ROS generation and tumour accumulation of transferrin coated titanium dioxide nanoaggregates. <i>RSC Advances</i> , 2020 , 10, 23759-23766	3.7	2
260	Osteotropic Radiolabeled Nanophotosensitizer for Imaging and Treating Multiple Myeloma. <i>ACS Nano</i> , 2020 , 14, 4255-4264	16.7	15
259	Repurposing Molecular Imaging and Sensing for Cancer Image-Guided Surgery. <i>Journal of Nuclear Medicine</i> , 2020 , 61, 1113-1122	8.9	15
258	Intracranial glioma xenograft model rapidly reestablishes blood-brain barrier integrity for longitudinal imaging of tumor progression using fluorescence molecular tomography and contrast agents. <i>Journal of Biomedical Optics</i> , 2020 , 25, 1-13	3.5	5
257	Trending: Radioactive and Fluorescent Bimodal/Hybrid Tracers as Multiplexing Solutions for Surgical Guidance. <i>Journal of Nuclear Medicine</i> , 2020 , 61, 13-19	8.9	28
256	Endogenous Cyclin D1 Promotes the Rate of Onset and Magnitude of Mitogenic Signaling via Akt1 Ser473 Phosphorylation. <i>Cell Reports</i> , 2020 , 32, 108151	10.6	7
255	Nanotherapy delivery of c-myc inhibitor targets Protumor Macrophages and preserves Antitumor Macrophages in Breast Cancer. <i>Theranostics</i> , 2020 , 10, 7510-7526	12.1	12
254	Tumor microenvironment-targeted nanoparticles loaded with bortezomib and ROCK inhibitor improve efficacy in multiple myeloma. <i>Nature Communications</i> , 2020 , 11, 6037	17.4	21
253	The membrane-associated form of cyclin D1 enhances cellular invasion. <i>Oncogenesis</i> , 2020 , 9, 83	6.6	4
252	Focal dynamic thermal imaging for label-free high-resolution characterization of materials and tissue heterogeneity. <i>Scientific Reports</i> , 2020 , 10, 12549	4.9	2
251	Ultrabright fluorescent nanoscale labels for the femtomolar detection of analytes with standard bioassays. <i>Nature Biomedical Engineering</i> , 2020 , 4, 518-530	19	53
250	Na-H exchanger 1 determines atherosclerotic lesion acidification and promotes atherogenesis. <i>Nature Communications</i> , 2019 , 10, 3978	17.4	11
249	Trafficking of a Single Photosensitizing Molecule to Different Intracellular Organelles Demonstrates Effective Hydroxyl Radical-Mediated Photodynamic Therapy in the Endoplasmic Reticulum. <i>Bioconjugate Chemistry</i> , 2019 , 30, 1451-1458	6.3	2
248	Dural lymphatics regulate clearance of extracellular tau from the CNS. <i>Molecular Neurodegeneration</i> , 2019 , 14, 11	19	68
247	Electrospray Functionalization of Titanium Dioxide Nanoparticles with Transferrin for Cerenkov Radiation Induced Cancer Therapy. <i>ACS Applied Bio Materials</i> , 2019 , 2, 1141-1147	4.1	10
246	Longitudinal preclinical magnetic resonance imaging of diffuse tumor burden in intramedullary myeloma following bortezomib therapy. <i>NMR in Biomedicine</i> , 2019 , 32, e4122	4.4	
245	Fluorescence lifetime imaging reveals heterogeneous functional distribution of eGFP expressed in <i>Xenopus</i> oocytes. <i>Methods and Applications in Fluorescence</i> , 2019 , 8, 015001	3.1	1

244	3D Printing of Poloxamer 407 Nanogel Discs and Their Applications in Adjuvant Ovarian Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2019 , 16, 552-560	5.6	22
243	Shape-Dependent Biodistribution of Biocompatible Silk Microcapsules. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5499-5508	9.5	20
242	Calcium carbonate nanoparticles stimulate tumor metabolic reprogramming and modulate tumor metastasis. <i>Nanomedicine</i> , 2019 , 14, 169-182	5.6	16
241	An "off-the-shelf" fratricide-resistant CAR-T for the treatment of T cell hematologic malignancies. <i>Leukemia</i> , 2018 , 32, 1970-1983	10.7	173
240	Baricitinib-induced blockade of interferon gamma receptor and interleukin-6 receptor for the prevention and treatment of graft-versus-host disease. <i>Leukemia</i> , 2018 , 32, 2483-2494	10.7	41
239	Radionuclides transform chemotherapeutics into phototherapeutics for precise treatment of disseminated cancer. <i>Nature Communications</i> , 2018 , 9, 275	17.4	44
238	Reply to β Cherenkov luminescence bright enough for photodynamic therapy? <i>Nature Nanotechnology</i> , 2018 , 13, 354-355	28.7	9
237	Nanotherapeutics for multiple myeloma. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2018 , 10, e1526	9.2	7
236	Imaging Melphalan Therapy Response in Preclinical Extramedullary Multiple Myeloma with F-FDOPA and F-FDG PET. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 1551-1557	8.9	3
235	Preclinical Development of CD38-Targeted [Zr]Zr-DFO-Daratumumab for Imaging Multiple Myeloma. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 216-222	8.9	37
234	Targeting CXCR4/CXCL12 Axis for Visualizing, Predicting, and Inhibiting Breast Cancer Metastasis with Theranostic AMD3100/Ag ₂ S Quantum Dot Probe. <i>Advanced Functional Materials</i> , 2018 , 28, 1800732	15.6	20
233	Bio-inspired imager improves sensitivity in near-infrared fluorescence image-guided surgery. <i>Optica</i> , 2018 , 5, 413-422	8.6	19
232	Diagnosis of LVAD Thrombus using a High-Avidity Fibrin-Specific Tc Probe. <i>Theranostics</i> , 2018 , 8, 1168-1179	17.1	7
231	Dual target gene therapy to EML4-ALK NSCLC by a gold nanoshell-based system. <i>Theranostics</i> , 2018 , 8, 2621-2633	12.1	9
230	Perspective review of what is needed for molecular-specific fluorescence-guided surgery. <i>Journal of Biomedical Optics</i> , 2018 , 23, 1-9	3.5	40
229	Cellular Trafficking of Sn-2 Phosphatidylcholine Prodrugs Studied with Fluorescence Lifetime Imaging and Super-resolution Microscopy. <i>Precision Nanomedicine</i> , 2018 , 1, 128-145	1.2	5
228	Effect of linkers on the α 5 β 1 integrin targeting efficiency of cyclic RGD-conjugates. 2018 ,		1
227	Perfusion-based fluorescence imaging method delineates diverse organs and identifies multifocal tumors using generic near-infrared molecular probes. <i>Journal of Biophotonics</i> , 2018 , 11, e201700232	3.1	3

226	Enhancing proteasome-inhibitory activity and specificity of bortezomib by CD38 targeted nanoparticles in multiple myeloma. <i>Journal of Controlled Release</i> , 2018 , 270, 158-176	11.7	35
225	Prostate-specific membrane antigen cleavage of vitamin B9 stimulates oncogenic signaling through metabotropic glutamate receptors. <i>Journal of Experimental Medicine</i> , 2018 , 215, 159-175	16.6	68
224	Optical See-Through Cancer Vision Goggles Enable Direct Patient Visualization and Real-Time Fluorescence-Guided Oncologic Surgery. <i>Annals of Surgical Oncology</i> , 2017 , 24, 1897-1903	3.1	23
223	Nanophotosensitive drugs for light-based cancer therapy: what does the future hold?. <i>Nanomedicine</i> , 2017 , 12, 1101-1105	5.6	12
222	Multimodal fluorescence molecular imaging for in vivo characterization of skin cancer using endogenous and exogenous fluorophores. <i>Journal of Biomedical Optics</i> , 2017 , 22, 66007	3.5	8
221	Novel Injury Site Targeted Fusion Protein Comprising Annexin V and Kunitz Inhibitor Domains Ameliorates Ischemia-Reperfusion Injury and Promotes Survival of Ischemic Rat Abdominal Skin Flaps. <i>Annals of Plastic Surgery</i> , 2017 , 78, S129-S134	1.7	4
220	Hybrid TiO ₂ /Ruthenium Nano-photosensitizer Synergistically Produces Reactive Oxygen Species in both Hypoxic and Normoxic Conditions. <i>Angewandte Chemie</i> , 2017 , 129, 10857-10860	3.6	32
219	Hybrid TiO ₂ -Ruthenium Nano-photosensitizer Synergistically Produces Reactive Oxygen Species in both Hypoxic and Normoxic Conditions. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10717-10720	16.4	101
218	Noninvasive depth estimation using tissue optical properties and a dual-wavelength fluorescent molecular probe. <i>Biomedical Optics Express</i> , 2017 , 8, 3095-3109	3.5	15
217	An Off-the-Shelf Fratricide-Resistant CAR-T for the Treatment of T Cell Hematologic Malignancies. <i>Blood</i> , 2017 , 130, 844-844	2.2	2
216	Enhancing in vivo tumor boundary delineation with structured illumination fluorescence molecular imaging and spatial gradient mapping. <i>Journal of Biomedical Optics</i> , 2016 , 21, 80502	3.5	5
215	Influence of Bone and Muscle Injuries on the Osteogenic Potential of Muscle Progenitors: Contribution of Tissue Environment to Heterotopic Ossification. <i>Stem Cells Translational Medicine</i> , 2016 , 5, 745-53	6.9	8
214	Acidic extracellular pH of tumors induces octamer-binding transcription factor 4 expression in murine fibroblasts in vitro and in vivo. <i>Scientific Reports</i> , 2016 , 6, 27803	4.9	29
213	Proof-of-Concept of Polymeric Sol-Gels in Multi-Drug Delivery and Intraoperative Image-Guided Surgery for Peritoneal Ovarian Cancer. <i>Pharmaceutical Research</i> , 2016 , 33, 2298-306	4.5	12
212	Selective photonic disinfection of cell culture using a visible ultrashort pulsed laser. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016 , 22,	3.8	8
211	Monodispersed calcium carbonate nanoparticles modulate local pH and inhibit tumor growth in vivo. <i>Nanoscale</i> , 2016 , 8, 12639-47	7.7	81
210	Extracellular pH Modulates Neuroendocrine Prostate Cancer Cell Metabolism and Susceptibility to the Mitochondrial Inhibitor Niclosamide. <i>PLoS ONE</i> , 2016 , 11, e0159675	3.7	20
209	Gradient-Based Algorithm for Determining Tumor Volumes in Small Animals Using Planar Fluorescence Imaging Platform. <i>Tomography</i> , 2016 , 2, 17-25	3.1	5

208	Meet Our Editor. <i>Current Analytical Chemistry</i> , 2016 , 13, 1-2	1.7	
207	Nano-antacids enhance pH neutralization beyond their bulk counterparts: synthesis and characterization. <i>RSC Advances</i> , 2016 , 6, 54331-54335	3.7	8
206	Newly established myeloma-derived stromal cell line MSP-1 supports multiple myeloma proliferation, migration, and adhesion and induces drug resistance more than normal-derived stroma. <i>Haematologica</i> , 2016 , 101, e307-11	6.6	7
205	Tunable ultrasmall visible-to-extended near-infrared emitting silver sulfide quantum dots for integrin-targeted cancer imaging. <i>ACS Nano</i> , 2015 , 9, 220-30	16.7	162
204	A CDC20-APC/SOX2 Signaling Axis Regulates Human Glioblastoma Stem-like Cells. <i>Cell Reports</i> , 2015 , 11, 1809-21	10.6	61
203	Molecular probes for fluorescence lifetime imaging. <i>Bioconjugate Chemistry</i> , 2015 , 26, 963-74	6.3	85
202	Image overlay solution based on threshold detection for a compact near infrared fluorescence goggle system. <i>Journal of Biomedical Optics</i> , 2015 , 20, 016018	3.5	8
201	Utilizing the Multiradionuclide Resolving Power of SPECT and Dual Radiolabeled Single Molecules to Assess Treatment Response of Tumors. <i>Molecular Imaging and Biology</i> , 2015 , 17, 671-9	3.8	5
200	Breaking the depth dependency of phototherapy with Cerenkov radiation and low-radiance-responsive nanophotosensitizers. <i>Nature Nanotechnology</i> , 2015 , 10, 370-9	28.7	262
199	Compact wearable dual-mode imaging system for real-time fluorescence image-guided surgery. <i>Journal of Biomedical Optics</i> , 2015 , 20, 096010	3.5	7
198	Protonation and Trapping of a Small pH-Sensitive Near-Infrared Fluorescent Molecule in the Acidic Tumor Environment Delineate Diverse Tumors in Vivo. <i>Molecular Pharmaceutics</i> , 2015 , 12, 4237-46	5.6	26
197	3D tissue-engineered bone marrow as a novel model to study pathophysiology and drug resistance in multiple myeloma. <i>Biomaterials</i> , 2015 , 73, 70-84	15.6	84
196	A compact NIR fluorescence imaging system with goggle display for intraoperative guidance 2015 ,		2
195	Dual-radiolabeled nanoparticle SPECT probes for bioimaging. <i>Nanoscale</i> , 2015 , 7, 440-4	7.7	39
194	Visualization of pulmonary clearance mechanisms via noninvasive optical imaging validated by near-infrared flow cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2015 , 87, 419-27	4.6	3
193	Binocular Goggle Augmented Imaging and Navigation System provides real-time fluorescence image guidance for tumor resection and sentinel lymph node mapping. <i>Scientific Reports</i> , 2015 , 5, 12117	4.9	35
192	Small sized EGFR1 and HER2 specific bifunctional antibody for targeted cancer therapy. <i>Theranostics</i> , 2015 , 5, 378-98	12.1	48
191	Live demonstration: A compact NIR fluorescence imaging system design with goggle display for intraoperative guidance 2015 ,		1

190	Chemical-free inactivated whole influenza virus vaccine prepared by ultrashort pulsed laser treatment. <i>Journal of Biomedical Optics</i> , 2015 , 20, 051008	3.5	7
189	Therapeutic effect of the treatment for colorectal cancer with adenoviral vectors mediated estrogen receptor β gene therapy combined with thermotherapy. <i>Journal of Cancer Research and Clinical Oncology</i> , 2014 , 140, 623-32	4.9	11
188	Studies of inactivation mechanism of non-enveloped icosahedral virus by a visible ultrashort pulsed laser. <i>Virology Journal</i> , 2014 , 11, 20	6.1	27
187	Tryptophan as the fingerprint for distinguishing aggressiveness among breast cancer cell lines using native fluorescence spectroscopy. <i>Journal of Biomedical Optics</i> , 2014 , 19, 37005	3.5	19
186	Highly luminescent water-soluble quaternary Zn ₄ Ag ₁ In ₅ quantum dots and their unique precursor S/In ratio-dependent spectral shifts. <i>Journal of Luminescence</i> , 2014 , 146, 364-370	3.8	16
185	Probing distance-dependent plasmon-enhanced near-infrared fluorescence using polyelectrolyte multilayers as dielectric spacers. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 866-70	16.4	65
184	Ultrashort pulsed laser treatment inactivates viruses by inhibiting viral replication and transcription in the host nucleus. <i>Antiviral Research</i> , 2014 , 110, 70-6	10.8	9
183	Real-time fluorescence image-guided oncologic surgery. <i>Advances in Cancer Research</i> , 2014 , 124, 171-211	5.9	105
182	A dual-targeting nanocarrier based on modified chitosan micelles for tumor imaging and therapy. <i>Polymer Chemistry</i> , 2014 , 5, 4734	4.9	11
181	Drug loaded multilayered gold nanorods for combined photothermal and chemotherapy. <i>Biomaterials Science</i> , 2014 , 2, 996-1006	7.4	34
180	Bioinspired Polarization Imaging Sensors: From Circuits and Optics to Signal Processing Algorithms and Biomedical Applications: Analysis at the focal plane emulates nature's method in sensors to image and diagnose with polarized light. <i>Proceedings of the IEEE</i> , 2014 , 102, 1450-1469	14.3	65
179	Antibody quantum dot conjugates developed via copper-free click chemistry for rapid analysis of biological samples using a microfluidic microsphere array system. <i>Bioconjugate Chemistry</i> , 2014 , 25, 1272-81	6.3	44
178	Quantum dots based molecular beacons for in vitro and in vivo detection of MMP-2 on tumor. <i>Biosensors and Bioelectronics</i> , 2014 , 61, 512-8	11.8	70
177	Probing Distance-Dependent Plasmon-Enhanced Near-Infrared Fluorescence Using Polyelectrolyte Multilayers as Dielectric Spacers. <i>Angewandte Chemie</i> , 2014 , 126, 885-889	3.6	7
176	Trimodal color-fluorescence-polarization endoscopy aided by a tumor selective molecular probe accurately detects flat lesions in colitis-associated cancer. <i>Journal of Biomedical Optics</i> , 2014 , 19, 126002	3.5	17
175	Noninvasive imaging of focal atherosclerotic lesions using fluorescence molecular tomography. <i>Journal of Biomedical Optics</i> , 2014 , 19, 110501	3.5	4
174	Monitoring of biodistribution and persistence of conditionally replicative adenovirus in a murine model of ovarian cancer using capsid-incorporated mCherry and expression of human somatostatin receptor subtype 2 gene. <i>Molecular Imaging</i> , 2014 , 13,	3.7	6
173	Quantitative determination of maximal imaging depth in all-NIR multiphoton microscopy images of thick tissues 2014 ,		1

172	Intravenous application of CD271-selected mesenchymal stem cells during fracture healing. <i>Journal of Orthopaedic Trauma</i> , 2014 , 28 Suppl 1, S15-9	3.1	22
171	Community detection for fluorescent lifetime microscopy image segmentation 2014 ,		2
170	Near infrared fluorescence quenching properties of copper (II) ions for potential applications in biological imaging 2014 ,		1
169	Engineering light-emitting diode surgical light for near-infrared fluorescence image-guided surgical systems. <i>Journal of Biomedical Optics</i> , 2014 , 19, 076018	3.5	8
168	Somatostatin analogues for receptor targeted photodynamic therapy. <i>PLoS ONE</i> , 2014 , 9, e104448	3.7	13
167	Pathogen reduction in human plasma using an ultrashort pulsed laser. <i>PLoS ONE</i> , 2014 , 9, e111673	3.7	6
166	Perspectives and potential applications of nanomedicine in breast and prostate cancer. <i>Medicinal Research Reviews</i> , 2013 , 33, 3-32	14.4	30
165	Native fluorescence spectroscopy reveals spectral differences among prostate cancer cell lines with different risk levels. <i>Journal of Biomedical Optics</i> , 2013 , 18, 87002	3.5	21
164	Bloodstain age analysis: toward solid state fluorescent lifetime measurements 2013 ,		6
163	Pyrazole-substituted near-infrared cyanine dyes exhibit pH-dependent fluorescence lifetime properties. <i>Photochemistry and Photobiology</i> , 2013 , 89, 326-31	3.6	19
162	BLOOD TRIGGERED RAPID RELEASE POROUS NANOCAPSULES. <i>RSC Advances</i> , 2013 , 3, 5547-5555	3.7	18
161	Broad spectrum photoluminescent quaternary quantum dots for cell and animal imaging. <i>Chemical Communications</i> , 2013 , 49, 9494-6	5.8	26
160	Performance analysis and design of position-encoded microsphere arrays using the Ziv-Zakai bound. <i>IEEE Transactions on Nanobioscience</i> , 2013 , 12, 29-40	3.4	4
159	In vivo targeted deep-tissue photodynamic therapy based on near-infrared light triggered upconversion nanoconstruct. <i>ACS Nano</i> , 2013 , 7, 676-88	16.7	404
158	First in-human intraoperative imaging of HCC using the fluorescence goggle system and transarterial delivery of near-infrared fluorescent imaging agent: a pilot study. <i>Translational Research</i> , 2013 , 162, 324-331	11	33
157	Gold nanoparticles based molecular beacons for in vitro and in vivo detection of the matriptase expression on tumor. <i>Biosensors and Bioelectronics</i> , 2013 , 49, 216-21	11.8	32
156	Highly luminescent water-soluble quaternary Zn-Ag-In-S quantum dots for tumor cell-targeted imaging. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 5078-83	3.6	82
155	A pH-sensitive doxorubicin prodrug based on folate-conjugated BSA for tumor-targeted drug delivery. <i>Biomaterials</i> , 2013 , 34, 3087-97	15.6	178

154	Imaging mRNA expression levels in living cells with PNADNA binary FRET probes delivered by cationic shell-crosslinked nanoparticles. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 3159-67	3.9	16
153	Click Reaction-Mediated Functionalization of Near-Infrared Pyrrolopyrrole Cyanine Dyes for Biological Imaging Applications. <i>RSC Advances</i> , 2013 , 3, 6756-6758	3.7	9
152	Sensitivity of activatable reactive oxygen species probes by fluorescence spectroelectrochemistry. <i>Analyst, The</i> , 2013 , 138, 4363-9	5	15
151	Visual detection of STAT5B gene expression in living cell using the hairpin DNA modified gold nanoparticle beacon. <i>Biosensors and Bioelectronics</i> , 2013 , 41, 71-7	11.8	51
150	Intraoperative detection of liver tumors aided by a fluorescence goggle system and multimodal imaging. <i>Analyst, The</i> , 2013 , 138, 2254-7	5	18
149	NIR fluorophore-hollow gold nanosphere complex for cancer enzyme-triggered detection and hyperthermia. <i>Advances in Experimental Medicine and Biology</i> , 2013 , 765, 323-328	3.6	9
148	Dynamic optical projection of acquired luminescence for aiding oncologic surgery. <i>Journal of Biomedical Optics</i> , 2013 , 18, 120501	3.5	11
147	Near-infrared fluorescence goggle system with complementary metal-oxide-semiconductor imaging sensor and see-through display. <i>Journal of Biomedical Optics</i> , 2013 , 18, 101303	3.5	41
146	Multimodal fluorescence-mediated tomography and SPECT/CT for small-animal imaging. <i>Journal of Nuclear Medicine</i> , 2013 , 54, 639-46	8.9	22
145	Activatable probes based on distance-dependent luminescence associated with Cerenkov radiation. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 7756-60	16.4	33
144	Dual fluorescent molecular substrates selectively report the activation, sustainability and reversibility of cellular PKB/Akt activity. <i>Scientific Reports</i> , 2013 , 3, 1697	4.9	7
143	All-near-infrared multiphoton microscopy interrogates intact tissues at deeper imaging depths than conventional single- and two-photon near-infrared excitation microscopes. <i>Journal of Biomedical Optics</i> , 2013 , 18, 106012	3.5	13
142	Multifunctional gold nanostar conjugates for tumor imaging and combined photothermal and chemo-therapy. <i>Theranostics</i> , 2013 , 3, 633-49	12.1	184
141	Microfluidic microsphere-trap arrays for simultaneous detection of multiple targets 2013 ,		3
140	A paclitaxel-conjugated adenovirus vector for targeted drug delivery for tumor therapy. <i>Biomaterials</i> , 2012 , 33, 146-62	15.6	42
139	Dating bloodstains with fluorescence lifetime measurements. <i>Chemistry - A European Journal</i> , 2012 , 18, 1303-5	4.8	22
138	Defining a polymethine dye for fluorescence anisotropy applications in the near-infrared spectral range. <i>ChemPhysChem</i> , 2012 , 13, 716-23	3.2	20
137	A NIR Dye for Development of Peripheral Nerve Targeted Probes. <i>MedChemComm</i> , 2012 , 3, 685-690	5	20

136	Folate-modified gold nanoclusters as near-infrared fluorescent probes for tumor imaging and therapy. <i>Nanoscale</i> , 2012 , 4, 6050-64	7.7	103
135	Multimodal sentinel lymph node mapping with single-photon emission computed tomography (SPECT)/computed tomography (CT) and photoacoustic tomography. <i>Translational Research</i> , 2012 , 159, 175-81	11	45
134	Synthesis of NAC capped near infrared-emitting CdTeS alloyed quantum dots and application for in vivo early tumor imaging. <i>Dalton Transactions</i> , 2012 , 41, 4935-47	4.3	48
133	Induction of pH sensitivity on the fluorescence lifetime of quantum dots by NIR fluorescent dyes. <i>Journal of the American Chemical Society</i> , 2012 , 134, 4545-8	16.4	75
132	In vitro and in vivo evaluation of a ⁶⁴ Cu-labeled NOTA-Bn-SCN-Aoc-bombesin analogue in gastrin-releasing peptide receptor expressing prostate cancer. <i>Nuclear Medicine and Biology</i> , 2012 , 39, 609-16	2.1	20
131	Near-infrared fluorescent divalent RGD ligand for integrin $\alpha_5\beta_1$ targeted optical imaging. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 5405-9	2.9	6
130	Detection of MMP-2 and MMP-9 activity in vivo with a triple-helical peptide optical probe. <i>Bioconjugate Chemistry</i> , 2012 , 23, 656-63	6.3	67
129	Glycan array analysis of the antigen repertoire targeted by tumor-binding antibodies. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 6839-43	2.9	14
128	Glucosamine derivative modified nanostructured lipid carriers for targeted tumor delivery. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5770		27
127	Amphiphilic chitosan modified upconversion nanoparticles for in vivo photodynamic therapy induced by near-infrared light. <i>Journal of Materials Chemistry</i> , 2012 , 22, 4861		153
126	Near-infrared molecular probes for in vivo imaging. <i>Current Protocols in Cytometry</i> , 2012 , Chapter 12, Unit12.27	3.6	55
125	Fluorophore-gold nanoparticle complex for sensitive optical biosensing and imaging. <i>Nanotechnology</i> , 2012 , 23, 095501	3.4	30
124	Inhibitory effects of ER β on proliferation, invasion, and tumor formation of MCF-7 breast cancer cells--prognostication for the use of ER β selective therapy. <i>Pharmaceutical Biology</i> , 2012 , 50, 839-49	3.8	15
123	In vivo fluorescence lifetime imaging monitors binding of specific probes to cancer biomarkers. <i>PLoS ONE</i> , 2012 , 7, e31881	3.7	28
122	The enhanced antiproliferative response to combined treatment of trichostatin A with raloxifene in MCF-7 breast cancer cells and its relevance to estrogen receptor β expression. <i>Molecular and Cellular Biochemistry</i> , 2012 , 366, 111-22	4.2	21
121	High-Quality CuInS ₂ /ZnS Quantum Dots for In vitro and In vivo Bioimaging. <i>Chemistry of Materials</i> , 2012 , 24, 3029-3037	9.6	232
120	Rapid response activatable molecular probes for intraoperative optical image-guided tumor resection. <i>Hepatology</i> , 2012 , 56, 1170-3	11.2	11
119	Comparison of near-infrared fluorescent deoxyglucose probes with different dyes for tumor diagnosis in vivo. <i>Contrast Media and Molecular Imaging</i> , 2012 , 7, 289-301	3.2	31

118	Glucosamine-linked near-infrared fluorescent probes for imaging of solid tumor xenografts. <i>Molecular Imaging and Biology</i> , 2012 , 14, 443-51	3.8	16
117	Estrogen receptor β potentiates the antiproliferative effect of raloxifene and affects the cell migration and invasion in HCT-116 colon cancer cells. <i>Journal of Cancer Research and Clinical Oncology</i> , 2012 , 138, 1091-103	4.9	23
116	Matriptase Sensitive Gold Nanoparticle Probe for early Cancer Detection. <i>Advanced Materials Research</i> , 2012 , 529, 301-305	0.5	
115	Complementary fluorescence-polarization microscopy using division-of-focal-plane polarization imaging sensor. <i>Journal of Biomedical Optics</i> , 2012 , 17, 116001	3.5	29
114	Fluorescence Goggle System for Surgical Navigation 2012 ,		1
113	Sensitivity enhancement of NIR fluorescence contrast agent utilizing gold nanoparticles. <i>Advances in Experimental Medicine and Biology</i> , 2012 , 737, 285-91	3.6	2
112	Near-infrared fluorescence lifetime pH-sensitive probes. <i>Biophysical Journal</i> , 2011 , 100, 2063-72	2.9	43
111	Noninvasive photoacoustic and fluorescence sentinel lymph node identification using dye-loaded perfluorocarbon nanoparticles. <i>ACS Nano</i> , 2011 , 5, 173-82	16.7	164
110	Study of rotational dynamics of receptor-targeted contrast agents in cancerous and normal prostate tissues using time-resolved picosecond emission spectroscopy. <i>Applied Optics</i> , 2011 , 50, 1312-22	2.2	10
109	Video-rate fluorescence diffuse optical tomography for in vivo sentinel lymph node imaging. <i>Biomedical Optics Express</i> , 2011 , 2, 3267-77	3.5	19
108	Near-infrared pH-activatable fluorescent probes for imaging primary and metastatic breast tumors. <i>Bioconjugate Chemistry</i> , 2011 , 22, 777-84	6.3	164
107	Rational approach to select small peptide molecular probes labeled with fluorescent cyanine dyes for in vivo optical imaging. <i>Biochemistry</i> , 2011 , 50, 2691-700	3.2	69
106	Compact intraoperative imaging device for sentinel lymph node mapping 2011 ,		1
105	Hands-free, wireless goggles for near-infrared fluorescence and real-time image-guided surgery. <i>Surgery</i> , 2011 , 149, 689-98	3.6	90
104	Gold nanoparticle-fluorophore complex for conditionally fluorescing signal mediator. <i>Analytica Chimica Acta</i> , 2011 , 695, 96-104	6.6	16
103	Fluorescence manipulation by gold nanoparticles: from complete quenching to extensive enhancement. <i>Journal of Nanobiotechnology</i> , 2011 , 9, 16	9.4	174
102	Gold nanocages covered with thermally-responsive polymers for controlled release by high-intensity focused ultrasound. <i>Nanoscale</i> , 2011 , 3, 1724-30	7.7	117
101	Two-photon optical properties of near-infrared dyes at 1.55 μm excitation. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 11530-5	3.4	36

100	Improved targeting of ligand-modified adenovirus as a new near infrared fluorescence tumor imaging probe. <i>Bioconjugate Chemistry</i> , 2011 , 22, 567-81	6.3	21
99	Synthesis and spectroscopy of near infrared fluorescent dyes for investigating dichromic fluorescence. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 280-4	2.9	8
98	Exploring new near-infrared fluorescent disulfide-based cyclic RGD peptide analogs for potential integrin-targeted optical imaging. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 2116-20	2.9	14
97	Detection of enzyme activity in orthotopic murine breast cancer by fluorescence lifetime imaging using a fluorescence resonance energy transfer-based molecular probe. <i>Journal of Biomedical Optics</i> , 2011 , 16, 066019	3.5	28
96	Single step aerosol synthesis of nanocomposites by aerosol routes: Fe ₂ O ₃ /SiO ₂ and their functionalization. <i>Journal of Materials Research</i> , 2011 , 26, 1225-1233	2.5	6
95	Optical imaging in cancer research: basic principles, tumor detection, and therapeutic monitoring. <i>Medical Principles and Practice</i> , 2011 , 20, 397-415	2.1	43
94	Using in-vivo fluorescence imaging in personalized cancer diagnostics and therapy, an image and treat paradigm. <i>Technology in Cancer Research and Treatment</i> , 2011 , 10, 549-60	2.7	23
93	In vitro and in vivo evaluation of ⁶⁴ Cu-labeled SarAr-bombesin analogs in gastrin-releasing peptide receptor-expressing prostate cancer. <i>Journal of Nuclear Medicine</i> , 2011 , 52, 470-7	8.9	60
92	Highly specific, NIR fluorescent contrast agent with emission controlled by gold nanoparticle. <i>Advances in Experimental Medicine and Biology</i> , 2011 , 701, 149-54	3.6	9
91	Handheld array-based photoacoustic probe for guiding needle biopsy of sentinel lymph nodes. <i>Journal of Biomedical Optics</i> , 2010 , 15, 046010	3.5	107
90	Near-infrared molecular imaging probes based on chlorin-bacteriochlorin dyads 2010 ,		2
89	Strategies for developing pH sensitive fluorescent probes 2010 ,		1
88	Multimodality imaging of gene transfer with a receptor-based reporter gene. <i>Journal of Nuclear Medicine</i> , 2010 , 51, 1456-63	8.9	19
87	Synthesis of functional near infrared pyrrolopyrrole cyanine dyes for optical and photoacoustic imaging. <i>Heterocyclic Communications</i> , 2010 , 16,	1.7	2
86	MAb L9E10 to blood group H2 antigen binds to colon cancer stem cells and inhibits tumor cell migration and invasion. <i>Hybridoma</i> , 2010 , 29, 355-9		4
85	Understanding Dichromic Fluorescence Manifested in Certain ICG Analogs. <i>Pure and Applied Chemistry</i> , 2010 , 82, 307-311	2.1	7
84	Multiphoton microscopy with near infrared contrast agents. <i>Journal of Biomedical Optics</i> , 2010 , 15, 030505	3.5	25
83	Targeting of alpha(nu)beta(3)-integrins expressed on tumor tissue and neovasculature using fluorescent small molecules and nanoparticles. <i>Nanomedicine</i> , 2010 , 5, 715-26	5.6	40

82	Biological applications of fluorescence lifetime imaging beyond microscopy 2010 ,		5
81	Fluorescence lifetime measurements and biological imaging. <i>Chemical Reviews</i> , 2010 , 110, 2641-84	68.1	1454
80	FRET-like fluorophore-nanoparticle complex for highly specific cancer localization. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 662, 407-13	3.6	6
79	Bright fluorescent nanoparticles for developing potential optical imaging contrast agents. <i>Nanoscale</i> , 2010 , 2, 548-58	7.7	66
78	Near infrared-fluorescent and magnetic resonance imaging molecular probe with high T1 relaxivity for in vivo multimodal imaging. <i>Chemical Communications</i> , 2010 , 46, 3705-7	5.8	28
77	Optical imaging of mammary and prostate tumors in living animals using a synthetic near infrared zinc(II)-dipicolylamine probe for anionic cell surfaces. <i>Journal of the American Chemical Society</i> , 2010 , 132, 67-9	16.4	149
76	Folate-polyethylene glycol conjugated near-infrared fluorescence probe with high targeting affinity and sensitivity for in vivo early tumor diagnosis. <i>Molecular Imaging and Biology</i> , 2010 , 12, 595-607	3.8	56
75	The insatiable quest for near-infrared fluorescent probes for molecular imaging. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9816-8	16.4	68
74	Measurement of the binding parameters of annexin derivative-erythrocyte membrane interactions. <i>Analytical Biochemistry</i> , 2010 , 406, 70-9	3.1	11
73	Multimodal Imaging of Integrin Receptor-Positive Tumors by Bioluminescence, Fluorescence, Gamma Scintigraphy, and Single-Photon Emission Computed Tomography Using a Cyclic RGD Peptide Labeled with a Near-Infrared Fluorescent Dye and a Radionuclide. <i>Molecular Imaging</i> , 2009 , 8, 7290-2009-00014	3.7	48
72	Dynamic noninvasive monitoring of renal function in vivo by fluorescence lifetime imaging. <i>Journal of Biomedical Optics</i> , 2009 , 14, 020501	3.5	21
71	Complementary optical and nuclear imaging of caspase-3 activity using combined activatable and radio-labeled multimodality molecular probe. <i>Journal of Biomedical Optics</i> , 2009 , 14, 040507	3.5	34
70	In vivo fluorescence lifetime tomography. <i>Journal of Biomedical Optics</i> , 2009 , 14, 024004	3.5	60
69	pH-dependent optical properties of synthetic fluorescent imidazoles. <i>Chemistry - A European Journal</i> , 2009 , 15, 3560-6	4.8	32
68	Optimization of the near-infrared fluorescence labeling for in vivo monitoring of a protein drug distribution in animal model. <i>Journal of Fluorescence</i> , 2009 , 19, 277-84	2.4	9
67	(64)Cu-labeled CB-TE2A and diamsar-conjugated RGD peptide analogs for targeting angiogenesis: comparison of their biological activity. <i>Nuclear Medicine and Biology</i> , 2009 , 36, 277-85	2.1	84
66	Long fluorescence lifetime molecular probes based on near infrared pyrrolopyrrole cyanine fluorophores for in vivo imaging. <i>Biophysical Journal</i> , 2009 , 97, L22-4	2.9	68
65	Radioactivity-synchronized fluorescence enhancement using a radionuclide fluorescence-quenched dye. <i>Journal of the American Chemical Society</i> , 2009 , 131, 9198-200	16.4	19

64	Engineering NIR dyes for fluorescent lifetime contrast. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2009 , 2009, 114-7	0.9	10
63	Modulation of effector caspase cleavage determines response of breast and lung tumor cell lines to chemotherapy. <i>Cancer Investigation</i> , 2009 , 27, 417-29	2.1	25
62	Activatable molecular systems using homologous near-infrared fluorescent probes for monitoring enzyme activities in vitro, in cellulo, and in vivo. <i>Molecular Pharmaceutics</i> , 2009 , 6, 416-27	5.6	41
61	Near-infrared fluorescent pH-sensitive probes via unexpected barbituric acid mediated synthesis. <i>Organic Letters</i> , 2009 , 11, 29-32	6.2	44
60	Characterization of quenched fluorescent triple helical peptides for MMP-2 and MMP-9 optical imaging 2009 ,		1
59	Multimodal imaging of integrin receptor-positive tumors by bioluminescence, fluorescence, gamma scintigraphy, and single-photon emission computed tomography using a cyclic RGD peptide labeled with a near-infrared fluorescent dye and a radionuclide. <i>Molecular Imaging</i> , 2009 , 8, 101-10	3.7	29
58	Biodegradable pH-sensing dendritic nanoprobe for near-infrared fluorescence lifetime and intensity imaging. <i>Journal of the American Chemical Society</i> , 2008 , 130, 444-5	16.4	110
57	Synthesis and spectral properties of near-infrared aminophenyl-, hydroxyphenyl-, and phenyl-substituted heptamethine cyanines. <i>Journal of Organic Chemistry</i> , 2008 , 73, 723-5	4.2	40
56	Understanding dichromic fluorescence manifested in certain ICG analogues. <i>Journal of Biotechnology</i> , 2008 , 136, S78	3.7	
55	Agonist-antagonist dilemma in molecular imaging: evaluation of a monomolecular multimodal imaging agent for the somatostatin receptor. <i>Bioconjugate Chemistry</i> , 2008 , 19, 192-200	6.3	56
54	Novel near-infrared fluorescent integrin-targeted DFO analogue. <i>Bioconjugate Chemistry</i> , 2008 , 19, 225-34	3.4	44
53	Monitoring the biodegradation of dendritic near-infrared nanoprobe by in vivo fluorescence imaging. <i>Molecular Pharmaceutics</i> , 2008 , 5, 1103-10	5.6	60
52	Multimodality molecular imaging with combined optical and SPECT/PET modalities. <i>Journal of Nuclear Medicine</i> , 2008 , 49, 169-72	8.9	156
51	Preparation and biological evaluation of ⁶⁴ Cu-CB-TE2A-ss2-ANT, a somatostatin antagonist for PET imaging of somatostatin receptor-positive tumors. <i>Journal of Nuclear Medicine</i> , 2008 , 49, 1819-27	8.9	72
50	Neutrophil elastase mediates innate host protection against <i>Pseudomonas aeruginosa</i> . <i>Journal of Immunology</i> , 2008 , 181, 4945-54	5.3	74
49	Fluorescent lifetime of near infrared dyes for structural analysis of serum albumin 2008 ,		7
48	Monoclonal antibody CC188 binds a carbohydrate epitope expressed on the surface of both colorectal cancer stem cells and their differentiated progeny. <i>Clinical Cancer Research</i> , 2008 , 14, 7461-9	12.9	12
47	Predicting in vivo fluorescence lifetime behavior of near-infrared fluorescent contrast agents using in vitro measurements. <i>Journal of Biomedical Optics</i> , 2008 , 13, 054042	3.5	35

46	Near-infrared dichromic fluorescent carbocyanine molecules. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 3584-7	16.4	29
45	Near-Infrared Dichromic Fluorescent Carbocyanine Molecules. <i>Angewandte Chemie</i> , 2008 , 120, 3640-3643	3.6	4
44	Fluorescence lifetime properties of near-infrared cyanine dyes in relation to their structures. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008 , 200, 438-444	4.7	59
43	Fluorescence lifetime tomography for whole body small animal imaging 2008 ,		1
42	Differential activity of caspase-3 regulates susceptibility of lung and breast tumor cell lines to Paclitaxel. <i>The Open Biochemistry Journal</i> , 2008 , 2, 121-8	0.9	5
41	Near infrared dyes as lifetime solvatochromic probes for micropolarity measurements of biological systems. <i>Biophysical Journal</i> , 2007 , 93, 2892-9	2.9	133
40	In Vivo Resolution of Multiexponential Decays of Multiple Near-Infrared Molecular Probes by Fluorescence Lifetime-Gated Whole-Body Time-Resolved Diffuse Optical Imaging. <i>Molecular Imaging</i> , 2007 , 6, 7290.2007.00020	3.7	33
39	Novel synthon for incorporating 1,3-dimethyl imidazolium group into molecular architecture. <i>Tetrahedron Letters</i> , 2007 , 48, 1195-1199	2	8
38	Ratiometric analysis of fluorescence lifetime for probing binding sites in albumin with near-infrared fluorescent molecular probes. <i>Photochemistry and Photobiology</i> , 2007 , 83, 1371-8	3.6	51
37	Molecular modeling suggests conformational scaffolds specifically targeting five subtypes of somatostatin receptors. <i>Chemical Biology and Drug Design</i> , 2007 , 69, 163-9	2.9	9
36	Novel optical contrast agents containing both DFO and multi-RGD peptides 2007 ,		1
35	Modulation of nuclear internalization of Tat peptides by fluorescent dyes and receptor-avid peptides. <i>FEBS Letters</i> , 2007 , 581, 1793-9	3.8	11
34	Noninvasive imaging of osteoclasts in parathyroid hormone-induced osteolysis using a ⁶⁴ Cu-labeled RGD peptide. <i>Journal of Nuclear Medicine</i> , 2007 , 48, 311-8	8.9	45
33	In vivo resolution of multiexponential decays of multiple near-infrared molecular probes by fluorescence lifetime-gated whole-body time-resolved diffuse optical imaging. <i>Molecular Imaging</i> , 2007 , 6, 237-46	3.7	16
32	Synthesis and evaluation of two NIR fluorescent cyclic RGD penta-peptides for targeting integrins 2006 , 6097, 53		
31	Design, synthesis, and evaluation of near infrared fluorescent multimeric RGD peptides for targeting tumors. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 2268-75	8.3	120
30	Heptamethine cyanine dyes with a robust C-C bond at the central position of the chromophore. <i>Journal of Organic Chemistry</i> , 2006 , 71, 7862-5	4.2	122
29	Quantitative small animal fluorescence tomography using an ultrafast gated image intensifier. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 2675-8		3

28	Targeting Beta-3 integrin using a linear hexapeptide labeled with a near-infrared fluorescent molecular probe. <i>Molecular Pharmaceutics</i> , 2006 , 3, 539-49	5.6	23
27	In vitro and in vivo investigation of matrix metalloproteinase expression in metastatic tumor models. <i>Nuclear Medicine and Biology</i> , 2006 , 33, 227-37	2.1	60
26	Synthesis, metal coordination, and cellular internalization of a siderophore-bearing NIR fluorescent carbocyanine probe 2006 ,		1
25	Multivalent carbocyanine molecular probes: synthesis and applications. <i>Bioconjugate Chemistry</i> , 2005 , 16, 51-61	6.3	92
24	A novel approach to a bifunctional photosensitizer for tumor imaging and phototherapy. <i>Bioconjugate Chemistry</i> , 2005 , 16, 1264-74	6.3	79
23	Monomolecular multimodal fluorescence-radioisotope imaging agents. <i>Bioconjugate Chemistry</i> , 2005 , 16, 1232-9	6.3	59
22	Time-dependent whole-body fluorescence tomography of probe bio-distributions in mice. <i>Optics Express</i> , 2005 , 13, 2564-77	3.3	141
21	Design, synthesis and evaluation of near-infrared fluorescent pH indicators in a physiologically relevant range. <i>Chemical Communications</i> , 2005 , 5887-9	5.8	104
20	Spectral properties of pro-multimodal imaging agents derived from a NIR dye and a metal chelator. <i>Photochemistry and Photobiology</i> , 2005 , 81, 1499-504	3.6	13
19	Synergistic effects of light-emitting probes and peptides for targeting and monitoring integrin expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 7976-81	11.5	119
18	Whole-body fluorescence lifetime imaging of a tumor-targeted near-infrared molecular probe in mice. <i>Journal of Biomedical Optics</i> , 2005 , 10, 054003	3.5	119
17	Lighting up tumors with receptor-specific optical molecular probes. <i>Technology in Cancer Research and Treatment</i> , 2004 , 3, 393-409	2.7	169
16	Preparation and biological evaluation of copper-64-labeled tyr3-octreotate using a cross-bridged macrocyclic chelator. <i>Clinical Cancer Research</i> , 2004 , 10, 8674-82	12.9	147
15	Polyvalent carbocyanine molecular beacons for molecular recognitions. <i>Journal of the American Chemical Society</i> , 2004 , 126, 7740-1	16.4	45
14	Synthesis and evaluation of polyhydroxylated near-infrared carbocyanine molecular probes. <i>Organic Letters</i> , 2004 , 6, 2067-70	6.2	113
13	Synthesis and characterization of a macrocyclic near-infrared optical scaffold. <i>Journal of the American Chemical Society</i> , 2003 , 125, 7766-7	16.4	68
12	Novel bioactive and stable neurotensin peptide analogues capable of delivering radiopharmaceuticals and molecular beacons to tumors. <i>Journal of Medicinal Chemistry</i> , 2003 , 46, 3403-11	8.3	47
11	Synthesis, in vitro receptor binding, and in vivo evaluation of fluorescein and carbocyanine peptide-based optical contrast agents. <i>Journal of Medicinal Chemistry</i> , 2002 , 45, 2003-15	8.3	119

10	Dynamic and Continuous Monitoring of Renal and Hepatic Functions with Exogenous Markers. <i>Topics in Current Chemistry</i> , 2002 , 31-72		1
9	Novel fluorescent contrast agents for optical imaging of in vivo tumors based on a receptor-targeted dye-peptide conjugate platform. <i>Journal of Biomedical Optics</i> , 2001 , 6, 122-33	3.5	154
8	Receptor-Targeted Fluorescent Contrast Agents For in vivo Tumor Imaging. <i>Optics and Photonics News</i> , 2001 , 12, 28	1.9	
7	A new method for the synthesis of tri-tert-butyl diethylenetriaminepentaacetic acid and its derivatives. <i>Journal of Organic Chemistry</i> , 2000 , 65, 1562-5	4.2	28
6	Novel receptor-targeted fluorescent contrast agents for in vivo tumor imaging. <i>Investigative Radiology</i> , 2000 , 35, 479-85	10.1	239
5	Bioactive surfactants containing a lactam group: synthesis and properties. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 1279-1280		8
4	Synthesis of 2H,2H-perfluoroalkyl and 2H-perfluoroalkenyl carboxylic acids and amides. <i>Journal of Fluorine Chemistry</i> , 1995 , 70, 19-26	2.1	54
3	Synthesis and evaluation of the properties of fluorinated amphiphilic amides of 2,2-bis(hydroxymethyl)propionic acid. <i>Journal of the Chemical Society Chemical Communications</i> , 1991 , 863		12
2	Synthesis of monodisperse perfluoroalkyl- α -oxyethylene surfactants with methoxy capping: surfactants of high chemical inertness. <i>Journal of the Chemical Society Chemical Communications</i> , 1990 , 911-912		14
1	Copper-Catalyzed Covalent Dimerization of Near-Infrared Fluorescent Cyanine Dyes: Synergistic Enhancement of Photoacoustic Signals for Molecular Imaging of Tumors. <i>Analysis & Sensing</i> ,		1