

Samuel Achilefu

List of Publications by Year in descending order

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317
papers

15,043
citations

16411

64
h-index

22764

112
g-index

328
all docs

328
docs citations

328
times ranked

19690
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescence Lifetime Measurements and Biological Imaging. <i>Chemical Reviews</i> , 2010, 110, 2641-2684.	23.0	1,860
2	<i>In Vivo</i> Targeted Deep-Tissue Photodynamic Therapy Based on Near-Infrared Light Triggered Upconversion Nanoconstruct. <i>ACS Nano</i> , 2013, 7, 676-688.	7.3	461
3	Breaking the depth dependency of phototherapy with Cerenkov radiation and low-radiance-responsive nanophotosensitizers. <i>Nature Nanotechnology</i> , 2015, 10, 370-379.	15.6	340
4	Novel Receptor-Targeted Fluorescent Contrast Agents for In Vivo Tumor Imaging. <i>Investigative Radiology</i> , 2000, 35, 479-485.	3.5	294
5	An "off-the-shelf" fratricide-resistant CART for the treatment of T cell hematologic malignancies. <i>Leukemia</i> , 2018, 32, 1970-1983.	3.3	282
6	High-Quality CuInS ₂ /ZnS Quantum Dots for In vitro and In vivo Bioimaging. <i>Chemistry of Materials</i> , 2012, 24, 3029-3037.	3.2	258
7	Fluorescence Manipulation by Gold Nanoparticles: From Complete Quenching to Extensive Enhancement. <i>Journal of Nanobiotechnology</i> , 2011, 9, 16.	4.2	206
8	A pH-sensitive doxorubicin prodrug based on folate-conjugated BSA for tumor-targeted drug delivery. <i>Biomaterials</i> , 2013, 34, 3087-3097.	5.7	205
9	Lighting up Tumors with Receptor-Specific Optical Molecular Probes. <i>Technology in Cancer Research and Treatment</i> , 2004, 3, 393-409.	0.8	199
10	Multifunctional Gold Nanostar Conjugates for Tumor Imaging and Combined Photothermal and Chemo-therapy. <i>Theranostics</i> , 2013, 3, 633-649.	4.6	196
11	Tunable Ultrasmall Visible-to-Extended Near-Infrared Emitting Silver Sulfide Quantum Dots for Integrin-Targeted Cancer Imaging. <i>ACS Nano</i> , 2015, 9, 220-230.	7.3	187
12	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.	1.4	186
13	Multimodality Molecular Imaging with Combined Optical and SPECT/PET Modalities: TABLE 1. <i>Journal of Nuclear Medicine</i> , 2008, 49, 169-172.	2.8	185
14	Noninvasive Photoacoustic and Fluorescence Sentinel Lymph Node Identification using Dye-Loaded Perfluorocarbon Nanoparticles. <i>ACS Nano</i> , 2011, 5, 173-182.	7.3	184
15	Near-Infrared pH-Activatable Fluorescent Probes for Imaging Primary and Metastatic Breast Tumors. <i>Bioconjugate Chemistry</i> , 2011, 22, 777-784.	1.8	179
16	Time-dependent whole-body fluorescence tomography of probe bio-distributions in mice. <i>Optics Express</i> , 2005, 13, 2564.	1.7	175
17	Amphiphilic chitosan modified upconversion nanoparticles for in vivo photodynamic therapy induced by near-infrared light. <i>Journal of Materials Chemistry</i> , 2012, 22, 4861.	6.7	170
18	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, 67-69.	6.6	163

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19	Preparation and Biological Evaluation of Copper-64 ⁶⁴ -Labeled Tyr3-Octreotate Using a Cross-Bridged Macrocylic Chelator. <i>Clinical Cancer Research</i> , 2004, 10, 8674-8682.	3.2	155
20	Near Infrared Dyes as Lifetime Solvatochromic Probes for Micropolarity Measurements of Biological Systems. <i>Biophysical Journal</i> , 2007, 93, 2892-2899.	0.2	153
21	Whole-body fluorescence lifetime imaging of a tumor-targeted near-infrared molecular probe in mice. <i>Journal of Biomedical Optics</i> , 2005, 10, 054003.	1.4	139
22	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.	7.2	139
23	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, 2003-2015.	2.9	134
24	Heptamethine Cyanine Dyes with a Robust C–C Bond at the Central Position of the Chromophore. <i>Journal of Organic Chemistry</i> , 2006, 71, 7862-7865.	1.7	134
25	Handheld array-based photoacoustic probe for guiding needle biopsy of sentinel lymph nodes. <i>Journal of Biomedical Optics</i> , 2010, 15, 1.	1.4	134
26	Dural lymphatics regulate clearance of extracellular tau from the CNS. <i>Molecular Neurodegeneration</i> , 2019, 14, 11.	4.4	134
27	Design, Synthesis, and Evaluation of Near Infrared Fluorescent Multimeric RGD Peptides for Targeting Tumors. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 2268-2275.	2.9	133
28	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, 7976-7981.	3.3	130
29	Gold nanocages covered with thermally-responsive polymers for controlled release by high-intensity focused ultrasound. <i>Nanoscale</i> , 2011, 3, 1724.	2.8	130
30	Real-Time Fluorescence Image-Guided Oncologic Surgery. <i>Advances in Cancer Research</i> , 2014, 124, 171-211.	1.9	128
31	Synthesis and Evaluation of Polyhydroxylated Near-Infrared Carbocyanine Molecular Probes. <i>Organic Letters</i> , 2004, 6, 2067-2070.	2.4	124
32	Biodegradable pH-Sensing Dendritic Nanoprobes for Near-Infrared Fluorescence Lifetime and Intensity Imaging. <i>Journal of the American Chemical Society</i> , 2008, 130, 444-445.	6.6	121
33	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.	4.2	121
34	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.	5.7	120
35	Folate-modified gold nanoclusters as near-infrared fluorescent probes for tumor imaging and therapy. <i>Nanoscale</i> , 2012, 4, 6050.	2.8	117
36	Molecular Probes for Fluorescence Lifetime Imaging. <i>Bioconjugate Chemistry</i> , 2015, 26, 963-974.	1.8	117

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37	Design, synthesis and evaluation of near-infrared fluorescent pH indicators in a physiologically relevant range. <i>Chemical Communications</i> , 2005, , 5887.	2.2	114
38	Monodispersed calcium carbonate nanoparticles modulate local pH and inhibit tumor growth in vivo. <i>Nanoscale</i> , 2016, 8, 12639-12647.	2.8	112
39	Ultrabright fluorescent nanoscale labels for the femtomolar detection of analytes with standard bioassays. <i>Nature Biomedical Engineering</i> , 2020, 4, 518-530.	11.6	110
40	Hands-free, wireless goggles for near-infrared fluorescence and real-time image-guided surgery. <i>Surgery</i> , 2011, 149, 689-698.	1.0	103
41	Multivalent Carbocyanine Molecular Probes: Synthesis and Applications. <i>Bioconjugate Chemistry</i> , 2005, 16, 51-61.	1.8	102
42	Bioinspired Polarization Imaging Sensors: From Circuits and Optics to Signal Processing Algorithms and Biomedical Applications. <i>Proceedings of the IEEE</i> , 2014, 102, 1450-1469.	16.4	94
43	A Novel Approach to a Bifunctional Photosensitizer for Tumor Imaging and Phototherapy. <i>Bioconjugate Chemistry</i> , 2005, 16, 1264-1274.	1.8	90
44	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.	1.3	89
45	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, 277-285.	0.3	87
46	Neutrophil Elastase Mediates Innate Host Protection against <i>Pseudomonas aeruginosa</i> . <i>Journal of Immunology</i> , 2008, 181, 4945-4954.	0.4	85
47	Introduction to Concepts and Strategies for Molecular Imaging. <i>Chemical Reviews</i> , 2010, 110, 2575-2578.	23.0	83
48	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, 4545-4548.	6.6	83
49	Long Fluorescence Lifetime Molecular Probes Based on Near Infrared Pyrrolopyrrole Cyanine Fluorophores for In Vivo Imaging. <i>Biophysical Journal</i> , 2009, 97, L22-L24.	0.2	82
50	A CDC20-APC/SOX2 Signaling Axis Regulates Human Glioblastoma Stem-like Cells. <i>Cell Reports</i> , 2015, 11, 1809-1821.	2.9	82
51	Quantum dots based molecular beacons for in vitro and in vivo detection of MMP-2 on tumor. <i>Biosensors and Bioelectronics</i> , 2014, 61, 512-518.	5.3	80
52	Rational Approach To Select Small Peptide Molecular Probes Labeled with Fluorescent Cyanine Dyes for in Vivo Optical Imaging. <i>Biochemistry</i> , 2011, 50, 2691-2700.	1.2	79
53	Preparation and Biological Evaluation of ⁶⁴ Cu-CB-TE2A-sst ₂ -ANT, a Somatostatin Antagonist for PET Imaging of Somatostatin Receptor-Positive Tumors. <i>Journal of Nuclear Medicine</i> , 2008, 49, 1819-1827.	2.8	76
54	In vivo fluorescence lifetime tomography. <i>Journal of Biomedical Optics</i> , 2009, 14, 024004.	1.4	76

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55	Detection of MMP-2 and MMP-9 Activity <i>in Vivo</i> with a Triple-Helical Peptide Optical Probe. <i>Bioconjugate Chemistry</i> , 2012, 23, 656-663.	1.8	76
56	Probing Distance-Dependent Plasmon-Enhanced Near-Infrared Fluorescence Using Polyelectrolyte Multilayers as Dielectric Spacers. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 866-870.	7.2	75
57	Synthesis and Characterization of a Macrocyclic Near-Infrared Optical Scaffold. <i>Journal of the American Chemical Society</i> , 2003, 125, 7766-7767.	6.6	74
58	The Insatiable Quest for Near-Infrared Fluorescent Probes for Molecular Imaging. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9816-9818.	7.2	73
59	Near-Infrared Molecular Probes for In Vivo Imaging. <i>Current Protocols in Cytometry</i> , 2012, 60, Unit12.27.	3.7	72
60	Bright fluorescent nanoparticles for developing potential optical imaging contrast agents. <i>Nanoscale</i> , 2010, 2, 548.	2.8	71
61	Perspective review of what is needed for molecular-specific fluorescence-guided surgery. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	1.4	69
62	Monomolecular Multimodal Fluorescence-Radioisotope Imaging Agents. <i>Bioconjugate Chemistry</i> , 2005, 16, 1232-1239.	1.8	67
63	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.	2.0	65
64	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.	1.8	65
65	In vitro and in vivo investigation of matrix metalloproteinase expression in metastatic tumor models. <i>Nuclear Medicine and Biology</i> , 2006, 33, 227-237.	0.3	64
66	Monitoring the Biodegradation of Dendritic Near-Infrared Nanoprobes by <i>in Vivo</i> Fluorescence Imaging. <i>Molecular Pharmaceutics</i> , 2008, 5, 1103-1110.	2.3	64
67	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, 470-477.	2.8	64
68	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.	1.3	63
69	Trending: Radioactive and Fluorescent Bimodal/Hybrid Tracers as Multiplexing Solutions for Surgical Guidance. <i>Journal of Nuclear Medicine</i> , 2020, 61, 13-19.	2.8	62
70	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.	3.3	61
71	Visual detection of STAT5B gene expression in living cell using the hairpin DNA modified gold nanoparticle beacon. <i>Biosensors and Bioelectronics</i> , 2013, 41, 71-77.	5.3	59
72	Small Sized EGFR1 and HER2 Specific Bifunctional Antibody for Targeted Cancer Therapy. <i>Theranostics</i> , 2015, 5, 378-398.	4.6	59

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73	Radionuclides transform chemotherapeutics into phototherapeutics for precise treatment of disseminated cancer. <i>Nature Communications</i> , 2018, 9, 275.	5.8	59
74	Multimodal sentinel lymph node mapping with single-photon emission computed tomography (SPECT)/computed tomography (CT) and photoacoustic tomography. <i>Translational Research</i> , 2012, 159, 175-181.	2.2	57
75	Synthesis of 2H,2H-perfluoroalkyl and 2H-perfluoroalkenyl carboxylic acids and amides. <i>Journal of Fluorine Chemistry</i> , 1995, 70, 19-26.	0.9	56
76	Ratiometric Analysis of Fluorescence Lifetime for Probing Binding Sites in Albumin with Near-Infrared Fluorescent Molecular Probes. <i>Photochemistry and Photobiology</i> , 2007, 83, 1371-1378.	1.3	56
77	Near-Infrared Fluorescence Lifetime pH-Sensitive Probes. <i>Biophysical Journal</i> , 2011, 100, 2063-2072.	0.2	56
78	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.	0.7	55
79	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, 1272-1281.	1.8	55
80	Optical Imaging in Cancer Research: Basic Principles, Tumor Detection, and Therapeutic Monitoring. <i>Medical Principles and Practice</i> , 2011, 20, 397-415.	1.1	53
81	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.	1.6	53
82	Tumor microenvironment-targeted nanoparticles loaded with bortezomib and ROCK inhibitor improve efficacy in multiple myeloma. <i>Nature Communications</i> , 2020, 11, 6037.	5.8	51
83	Novel Bioactive and Stable Neurotensin Peptide Analogues Capable of Delivering Radiopharmaceuticals and Molecular Beacons to Tumors. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 3403-3411.	2.9	50
84	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.	1.4	50
85	Preclinical Development of CD38-Targeted [⁸⁹ Zr]Zr-DFO-Daratumumab for Imaging Multiple Myeloma. <i>Journal of Nuclear Medicine</i> , 2018, 59, 216-222.	2.8	50
86	Dual-radiolabeled nanoparticle SPECT probes for bioimaging. <i>Nanoscale</i> , 2015, 7, 440-444.	2.8	49
87	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.	4.8	49
88	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.	2.8	49
89	Polyvalent Carbocyanine Molecular Beacons for Molecular Recognitions. <i>Journal of the American Chemical Society</i> , 2004, 126, 7740-7741.	6.6	48
90	Novel Near-Infrared Fluorescent Integrin-Targeted DFO Analogue. <i>Bioconjugate Chemistry</i> , 2008, 19, 225-234.	1.8	47

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91	Near-Infrared Fluorescent pH-Sensitive Probes via Unexpected Barbituric Acid Mediated Synthesis. <i>Organic Letters</i> , 2009, 11, 29-32.	2.4	47
92	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.	1.6	46
93	Synthesis and Spectral Properties of Near-Infrared Aminophenyl-, Hydroxyphenyl-, and Phenyl-Substituted Heptamethine Cyanines. <i>Journal of Organic Chemistry</i> , 2008, 73, 723-725.	1.7	45
94	Activatable Molecular Systems Using Homologous Near-Infrared Fluorescent Probes for Monitoring Enzyme Activities <i>in Vitro</i> , <i>in Cellulo</i> , and <i>in Vivo</i> . <i>Molecular Pharmaceutics</i> , 2009, 6, 416-427.	2.3	45
95	Targeting of $\alpha_5\beta_1$ -integrins expressed on tumor tissue and neovasculature using fluorescent small molecules and nanoparticles. <i>Nanomedicine</i> , 2010, 5, 715-726.	1.7	44
96	A paclitaxel-conjugated adenovirus vector for targeted drug delivery for tumor therapy. <i>Biomaterials</i> , 2012, 33, 146-162.	5.7	44
97	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.	0.7	42
98	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.	2.2	42
99	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.	1.4	41
100	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.	1.6	40
101	Perspectives and potential applications of nanomedicine in breast and prostate cancer. <i>Medicinal Research Reviews</i> , 2013, 33, 3-32.	5.0	39
102	Drug loaded multilayered gold nanorods for combined photothermal and chemotherapy. <i>Biomaterials Science</i> , 2014, 2, 996-1006.	2.6	39
103	Two-Photon Optical Properties of Near-Infrared Dyes at 1.55 μm Excitation. <i>Journal of Physical Chemistry B</i> , 2011, 115, 11530-11535.	1.2	38
104	Complementary fluorescence-polarization microscopy using division-of-focal-plane polarization imaging sensor. <i>Journal of Biomedical Optics</i> , 2012, 17, 116001.	1.4	38
105	Native fluorescence spectroscopy reveals spectral differences among prostate cancer cell lines with different risk levels. <i>Journal of Biomedical Optics</i> , 2013, 18, 087002.	1.4	38
106	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.	1.4	37
107	Bio-inspired imager improves sensitivity in near-infrared fluorescence image-guided surgery. <i>Optica</i> , 2018, 5, 413.	4.8	37
108	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, 216-221.	5.3	36

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109	Activatable Probes Based on Distance-Dependent Luminescence Associated with Cerenkov Radiation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7756-7760.	7.2	36
110	Near-Infrared Dichromic Fluorescent Carbocyanine Molecules. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3584-3587.	7.2	35
111	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.	1.6	35
112	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.	0.7	35
113	Repurposing Molecular Imaging and Sensing for Cancer Image-Guided Surgery. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1113-1122.	2.8	35
114	A New Method for the Synthesis of Tri-tert-butyl Diethylenetriaminepentaacetic Acid and Its Derivatives. <i>Journal of Organic Chemistry</i> , 2000, 65, 1562-1565.	1.7	34
115	pH-Dependent Optical Properties of Synthetic Fluorescent Imidazoles. <i>Chemistry - A European Journal</i> , 2009, 15, 3560-3566.	1.7	34
116	3D Printing of Poloxamer 407 Nanogel Discs and Their Applications in Adjuvant Ovarian Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2019, 16, 552-560.	2.3	34
117	In Vivo Fluorescence Lifetime Imaging Monitors Binding of Specific Probes to Cancer Biomarkers. <i>PLoS ONE</i> , 2012, 7, e31881.	1.1	33
118	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.	2.2	32
119	Glucosamine derivative modified nanostructured lipid carriers for targeted tumor delivery. <i>Journal of Materials Chemistry</i> , 2012, 22, 5770.	6.7	32
120	Fluorophore-gold nanoparticle complex for sensitive optical biosensing and imaging. <i>Nanotechnology</i> , 2012, 23, 095501.	1.3	32
121	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.	0.4	32
122	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, 549-560.	0.8	31
123	Studies of inactivation mechanism of non-enveloped icosahedral virus by a visible ultrashort pulsed laser. <i>Virology Journal</i> , 2014, 11, 20.	1.4	31
124	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, 4237-4246.	2.3	31
125	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.	11.6	31
126	Extracellular pH Modulates Neuroendocrine Prostate Cancer Cell Metabolism and Susceptibility to the Mitochondrial Inhibitor Niclosamide. <i>PLoS ONE</i> , 2016, 11, e0159675.	1.1	31

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127	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.	0.7	31
128	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.	1.4	30
129	Dating Bloodstains with Fluorescence Lifetime Measurements. <i>Chemistry - A European Journal</i> , 2012, 18, 1303-1305.	1.7	30
130	Tryptophan as the fingerprint for distinguishing aggressiveness among breast cancer cell lines using native fluorescence spectroscopy. <i>Journal of Biomedical Optics</i> , 2014, 19, 037005.	1.4	30
131	Broad spectrum photoluminescent quaternary quantum dots for cell and animal imaging. <i>Chemical Communications</i> , 2013, 49, 9494.	2.2	29
132	Targeting CXCR4-CXCL12 Axis for Visualizing, Predicting, and Inhibiting Breast Cancer Metastasis with Theranostic Ag ₂ S Quantum Dot Probe. <i>Advanced Functional Materials</i> , 2018, 28, 1800732.	7.8	29
133	Multiphoton microscopy with near infrared contrast agents. <i>Journal of Biomedical Optics</i> , 2010, 15, 030505.	1.4	28
134	Nanoparticle T-cell engagers as a modular platform for cancer immunotherapy. <i>Leukemia</i> , 2021, 35, 2346-2357.	3.3	28
135	Modulation of Effector Caspase Cleavage Determines Response of Breast and Lung Tumor Cell Lines to Chemotherapy. <i>Cancer Investigation</i> , 2009, 27, 417-429.	0.6	27
136	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, 111-122.	1.4	27
137	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, 1091-1103.	1.2	27
138	Shape-Dependent Biodistribution of Biocompatible Silk Microcapsules. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5499-5508.	4.0	27
139	Nanotherapy delivery of c-myc inhibitor targets Protumor Macrophages and preserves Antitumor Macrophages in Breast Cancer. <i>Theranostics</i> , 2020, 10, 7510-7526.	4.6	27
140	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, 1.	1.4	26
141	Osteotropic Radiolabeled Nanophotosensitizer for Imaging and Treating Multiple Myeloma. <i>ACS Nano</i> , 2020, 14, 4255-4264.	7.3	26
142	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.	1.6	26
143	Targeting Beta-3 Integrin Using a Linear Hexapeptide Labeled with a Near-Infrared Fluorescent Molecular Probe. <i>Molecular Pharmaceutics</i> , 2006, 3, 539-549.	2.3	25
144	Improved Targeting of Ligand-Modified Adenovirus as a New Near Infrared Fluorescence Tumor Imaging Probe. <i>Bioconjugate Chemistry</i> , 2011, 22, 567-581.	1.8	25

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145	A NIR dye for development of peripheral nerve targeted probes. <i>MedChemComm</i> , 2012, 3, 685.	3.5	25
146	Na ⁺ -H ⁺ exchanger 1 determines atherosclerotic lesion acidification and promotes atherogenesis. <i>Nature Communications</i> , 2019, 10, 3978.	5.8	25
147	Calcium carbonate nanoparticles stimulate tumor metabolic reprogramming and modulate tumor metastasis. <i>Nanomedicine</i> , 2019, 14, 169-182.	1.7	25
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