Samuel Achilefu

List of Publications by Citations

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	Fluorescence lifetime measurements and biological imaging. *Chemical Reviews*, **2010**, 110, 2641-84	68.1	1454
278	In vivo targeted deep-tissue photodynamic therapy based on near-infrared light triggered upconversion nanoconstruct. *ACS Nano*, **2013**, 7, 676-88	16.7	404
277	Breaking the depth dependency of phototherapy with Cerenkov radiation and low-radiance-responsive nanophotosensitizers. *Nature Nanotechnology*, **2015**, 10, 370-9	28.7	262
276	Novel receptor-targeted fluorescent contrast agents for in vivo tumor imaging. *Investigative Radiology*, **2000**, 35, 479-85	10.1	239
275	High-Quality CuInS2/ZnS Quantum Dots for In vitro and In vivo Bioimaging. *Chemistry of Materials*, **2012**, 24, 3029-3037	9.6	232
274	Multifunctional gold nanostar conjugates for tumor imaging and combined photothermal and chemo-therapy. *Theranostics*, **2013**, 3, 633-49	12.1	184
273	A pH-sensitive doxorubicin prodrug based on folate-conjugated BSA for tumor-targeted drug delivery. *Biomaterials*, **2013**, 34, 3087-97	15.6	178
272	Fluorescence manipulation by gold nanoparticles: from complete quenching to extensive enhancement. *Journal of Nanobiotechnology*, **2011**, 9, 16	9.4	174
271	An "off-the-shelf" fratricide-resistant CAR-T for the treatment of T cell hematologic malignancies. *Leukemia*, **2018**, 32, 1970-1983	10.7	173
270	Lighting up tumors with receptor-specific optical molecular probes. *Technology in Cancer Research and Treatment*, **2004**, 3, 393-409	2.7	169
269	Noninvasive photoacoustic and fluorescence sentinel lymph node identification using dye-loaded perfluorocarbon nanoparticles. *ACS Nano*, **2011**, 5, 173-82	16.7	164
268	Near-infrared pH-activatable fluorescent probes for imaging primary and metastatic breast tumors. *Bioconjugate Chemistry*, **2011**, 22, 777-84	6.3	164
267	Tunable ultrasmall visible-to-extended near-infrared emitting silver sulfide quantum dots for integrin-targeted cancer imaging. *ACS Nano*, **2015**, 9, 220-30	16.7	162
266	Multimodality molecular imaging with combined optical and SPECT/PET modalities. *Journal of Nuclear Medicine*, **2008**, 49, 169-72	8.9	156
265	Novel fluorescent contrast agents for optical imaging of in vivo tumors based on a receptor-targeted dye-peptide conjugate platform. *Journal of Biomedical Optics*, **2001**, 6, 122-33	3.5	154
264	Amphiphilic chitosan modified upconversion nanoparticles for in vivo photodynamic therapy induced by near-infrared light. *Journal of Materials Chemistry*, **2012**, 22, 4861		153
263	Optical imaging of mammary and prostate tumors in living animals using a synthetic near infrared zinc(II)-dipicolylamine probe for anionic cell surfaces. *Journal of the American Chemical Society*, **2010**, 132, 67-9	16.4	149

262	Preparation and biological evaluation of copper-64-labeled tyr3-octreotate using a cross-bridged macrocyclic chelator. *Clinical Cancer Research*, **2004**, 10, 8674-82	12.9	147
261	Time-dependent whole-body fluorescence tomography of probe bio-distributions in mice. *Optics Express*, **2005**, 13, 2564-77	3.3	141
260	Near infrared dyes as lifetime solvatochromic probes for micropolarity measurements of biological systems. *Biophysical Journal*, **2007**, 93, 2892-9	2.9	133
259	Heptamethine cyanine dyes with a robust C-C bond at the central position of the chromophore. *Journal of Organic Chemistry*, **2006**, 71, 7862-5	4.2	122
258	Design, synthesis, and evaluation of near infrared fluorescent multimeric RGD peptides for targeting tumors. *Journal of Medicinal Chemistry*, **2006**, 49, 2268-75	8.3	120
257	Synergistic effects of light-emitting probes and peptides for targeting and monitoring integrin expression. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 7976-81	11.5	119
256	Whole-body fluorescence lifetime imaging of a tumor-targeted near-infrared molecular probe in mice. *Journal of Biomedical Optics*, **2005**, 10, 054003	3.5	119
255	Synthesis, in vitro receptor binding, and in vivo evaluation of fluorescein and carbocyanine peptide-based optical contrast agents. *Journal of Medicinal Chemistry*, **2002**, 45, 2003-15	8.3	119
254	Gold nanocages covered with thermally-responsive polymers for controlled release by high-intensity focused ultrasound. *Nanoscale*, **2011**, 3, 1724-30	7.7	117
253	Synthesis and evaluation of polyhydroxylated near-infrared carbocyanine molecular probes. *Organic Letters*, **2004**, 6, 2067-70	6.2	113
252	Biodegradable pH-sensing dendritic nanoprobes for near-infrared fluorescence lifetime and intensity imaging. *Journal of the American Chemical Society*, **2008**, 130, 444-5	16.4	110
251	Handheld array-based photoacoustic probe for guiding needle biopsy of sentinel lymph nodes. *Journal of Biomedical Optics*, **2010**, 15, 046010	3.5	107
250	Real-time fluorescence image-guided oncologic surgery. *Advances in Cancer Research*, **2014**, 124, 171-211	5.9	105
249	Design, synthesis and evaluation of near-infrared fluorescent pH indicators in a physiologically relevant range. *Chemical Communications*, **2005**, 5887-9	5.8	104
248	Folate-modified gold nanoclusters as near-infrared fluorescent probes for tumor imaging and therapy. *Nanoscale*, **2012**, 4, 6050-64	7.7	103
247	Hybrid TiO -Ruthenium Nano-photosensitizer Synergistically Produces Reactive Oxygen Species in both Hypoxic and Normoxic Conditions. *Angewandte Chemie - International Edition*, **2017**, 56, 10717-10720	16.4	101
246	Multivalent carbocyanine molecular probes: synthesis and applications. *Bioconjugate Chemistry*, **2005**, 16, 51-61	6.3	92
245	Hands-free, wireless goggles for near-infrared fluorescence and real-time image-guided surgery. *Surgery*, **2011**, 149, 689-98	3.6	90

244	Molecular probes for fluorescence lifetime imaging. *Bioconjugate Chemistry*, **2015**, 26, 963-74	6.3	85
243	3D tissue-engineered bone marrow as a novel model to study pathophysiology and drug resistance in multiple myeloma. *Biomaterials*, **2015**, 73, 70-84	15.6	84
242	(64)Cu-labeled CB-TE2A and diamsar-conjugated RGD peptide analogs for targeting angiogenesis: comparison of their biological activity. *Nuclear Medicine and Biology*, **2009**, 36, 277-85	2.1	84
241	Highly luminescent water-soluble quaternary Zn-Ag-In-S quantum dots for tumor cell-targeted imaging. *Physical Chemistry Chemical Physics*, **2013**, 15, 5078-83	3.6	82
240	Monodispersed calcium carbonate nanoparticles modulate local pH and inhibit tumor growth in vivo. *Nanoscale*, **2016**, 8, 12639-47	7.7	81
239	A novel approach to a bifunctional photosensitizer for tumor imaging and phototherapy. *Bioconjugate Chemistry*, **2005**, 16, 1264-74	6.3	79
238	Induction of pH sensitivity on the fluorescence lifetime of quantum dots by NIR fluorescent dyes. *Journal of the American Chemical Society*, **2012**, 134, 4545-8	16.4	75
237	Neutrophil elastase mediates innate host protection against Pseudomonas aeruginosa. *Journal of Immunology*, **2008**, 181, 4945-54	5.3	74
236	Preparation and biological evaluation of 64Cu-CB-TE2A-sst2-ANT, a somatostatin antagonist for PET imaging of somatostatin receptor-positive tumors. *Journal of Nuclear Medicine*, **2008**, 49, 1819-27	8.9	72
235	Quantum dots based molecular beacons for in vitro and in vivo detection of MMP-2 on tumor. *Biosensors and Bioelectronics*, **2014**, 61, 512-8	11.8	70
234	Rational approach to select small peptide molecular probes labeled with fluorescent cyanine dyes for in vivo optical imaging. *Biochemistry*, **2011**, 50, 2691-700	3.2	69
233	Dural lymphatics regulate clearance of extracellular tau from the CNS. *Molecular Neurodegeneration*, **2019**, 14, 11	19	68
232	Long fluorescence lifetime molecular probes based on near infrared pyrrolopyrrole cyanine fluorophores for in vivo imaging. *Biophysical Journal*, **2009**, 97, L22-4	2.9	68
231	The insatiable quest for near-infrared fluorescent probes for molecular imaging. *Angewandte Chemie - International Edition*, **2010**, 49, 9816-8	16.4	68
230	Synthesis and characterization of a macrocyclic near-infrared optical scaffold. *Journal of the American Chemical Society*, **2003**, 125, 7766-7	16.4	68
229	Prostate-specific membrane antigen cleavage of vitamin B9 stimulates oncogenic signaling through metabotropic glutamate receptors. *Journal of Experimental Medicine*, **2018**, 215, 159-175	16.6	68
228	Detection of MMP-2 and MMP-9 activity in vivo with a triple-helical peptide optical probe. *Bioconjugate Chemistry*, **2012**, 23, 656-63	6.3	67
227	Bright fluorescent nanoparticles for developing potential optical imaging contrast agents. *Nanoscale*, **2010**, 2, 548-58	7.7	66

226	Probing distance-dependent plasmon-enhanced near-infrared fluorescence using polyelectrolyte multilayers as dielectric spacers. *Angewandte Chemie - International Edition*, **2014**, 53, 866-70	16.4	65
225	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. *Proceedings of the IEEE*, **2014**, 102, 1450-1469	14.3	65
224	A CDC20-APC/SOX2 Signaling Axis Regulates Human Glioblastoma Stem-like Cells. *Cell Reports*, **2015**, 11, 1809-21	10.6	61
223	In vivo fluorescence lifetime tomography. *Journal of Biomedical Optics*, **2009**, 14, 024004	3.5	60
222	In vitro and in vivo evaluation of 64Cu-labeled SarAr-bombesin analogs in gastrin-releasing peptide receptor-expressing prostate cancer. *Journal of Nuclear Medicine*, **2011**, 52, 470-7	8.9	60
221	Monitoring the biodegradation of dendritic near-infrared nanoprobes by in vivo fluorescence imaging. *Molecular Pharmaceutics*, **2008**, 5, 1103-10	5.6	60
220	In vitro and in vivo investigation of matrix metalloproteinase expression in metastatic tumor models. *Nuclear Medicine and Biology*, **2006**, 33, 227-37	2.1	60
219	Fluorescence lifetime properties of near-infrared cyanine dyes in relation to their structures. *Journal of Photochemistry and Photobiology A: Chemistry*, **2008**, 200, 438-444	4.7	59
218	Monomolecular multimodal fluorescence-radioisotope imaging agents. *Bioconjugate Chemistry*, **2005**, 16, 1232-9	6.3	59
217	Folate-polyethylene glycol conjugated near-infrared fluorescence probe with high targeting affinity and sensitivity for in vivo early tumor diagnosis. *Molecular Imaging and Biology*, **2010**, 12, 595-607	3.8	56
216	Agonist-antagonist dilemma in molecular imaging: evaluation of a monomolecular multimodal imaging agent for the somatostatin receptor. *Bioconjugate Chemistry*, **2008**, 19, 192-200	6.3	56
215	Near-infrared molecular probes for in vivo imaging. *Current Protocols in Cytometry*, **2012**, Chapter 12, Unit12.27	3.6	55
214	Synthesis of 2H,2H-perfluoroalkyl and 2H-perfluoroalkenyl carboxylic acids and amides. *Journal of Fluorine Chemistry*, **1995**, 70, 19-26	2.1	54
213	Ultrabright fluorescent nanoscale labels for the femtomolar detection of analytes with standard bioassays. *Nature Biomedical Engineering*, **2020**, 4, 518-530	19	53
212	Visual detection of STAT5B gene expression in living cell using the hairpin DNA modified gold nanoparticle beacon. *Biosensors and Bioelectronics*, **2013**, 41, 71-7	11.8	51
211	Ratiometric analysis of fluorescence lifetime for probing binding sites in albumin with near-infrared fluorescent molecular probes. *Photochemistry and Photobiology*, **2007**, 83, 1371-8	3.6	51
210	Small sized EGFR1 and HER2 specific bifunctional antibody for targeted cancer therapy. *Theranostics*, **2015**, 5, 378-98	12.1	48
209	Synthesis of NAC capped near infrared-emitting CdTeS alloyed quantum dots and application for in vivo early tumor imaging. *Dalton Transactions*, **2012**, 41, 4935-47	4.3	48

208	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. *Molecular Imaging*, **2009**, 8, 7290.2009.00014	3.7	48
207	Novel bioactive and stable neurotensin peptide analogues capable of delivering radiopharmaceuticals and molecular beacons to tumors. *Journal of Medicinal Chemistry*, **2003**, 46, 3403-11	8.3	47
206	Multimodal sentinel lymph node mapping with single-photon emission computed tomography (SPECT)/computed tomography (CT) and photoacoustic tomography. *Translational Research*, **2012**, 159, 175-81	11	45
205	Polyvalent carbocyanine molecular beacons for molecular recognitions. *Journal of the American Chemical Society*, **2004**, 126, 7740-1	16.4	45
204	Noninvasive imaging of osteoclasts in parathyroid hormone-induced osteolysis using a 64Cu-labeled RGD peptide. *Journal of Nuclear Medicine*, **2007**, 48, 311-8	8.9	45
203	Radionuclides transform chemotherapeutics into phototherapeutics for precise treatment of disseminated cancer. *Nature Communications*, **2018**, 9, 275	17.4	44
202	Antibody quantum dot conjugates developed via copper-free click chemistry for rapid analysis of biological samples using a microfluidic microsphere array system. *Bioconjugate Chemistry*, **2014**, 25, 1272-81	6.3	44
201	Near-infrared fluorescent pH-sensitive probes via unexpected barbituric acid mediated synthesis. *Organic Letters*, **2009**, 11, 29-32	6.2	44
200	Novel near-infrared fluorescent integrin-targeted DFO analogue. *Bioconjugate Chemistry*, **2008**, 19, 225-34	3.5	44
199	Near-infrared fluorescence lifetime pH-sensitive probes. *Biophysical Journal*, **2011**, 100, 2063-72	2.9	43
198	Optical imaging in cancer research: basic principles, tumor detection, and therapeutic monitoring. *Medical Principles and Practice*, **2011**, 20, 397-415	2.1	43
197	A paclitaxel-conjugated adenovirus vector for targeted drug delivery for tumor therapy. *Biomaterials*, **2012**, 33, 146-62	15.6	42
196	Baricitinib-induced blockade of interferon gamma receptor and interleukin-6 receptor for the prevention and treatment of graft-versus-host disease. *Leukemia*, **2018**, 32, 2483-2494	10.7	41
195	Near-infrared fluorescence goggle system with complementary metal-oxide-semiconductor imaging sensor and see-through display. *Journal of Biomedical Optics*, **2013**, 18, 101303	3.5	41
194	Activatable molecular systems using homologous near-infrared fluorescent probes for monitoring enzyme activities in vitro, in cellulo, and in vivo. *Molecular Pharmaceutics*, **2009**, 6, 416-27	5.6	41
193	Targeting of alpha(nu)beta(3)-integrins expressed on tumor tissue and neovasculature using fluorescent small molecules and nanoparticles. *Nanomedicine*, **2010**, 5, 715-26	5.6	40
192	Synthesis and spectral properties of near-infrared aminophenyl-, hydroxyphenyl-, and phenyl-substituted heptamethine cyanines. *Journal of Organic Chemistry*, **2008**, 73, 723-5	4.2	40
191	Perspective review of what is needed for molecular-specific fluorescence-guided surgery. *Journal of Biomedical Optics*, **2018**, 23, 1-9	3.5	40

190	Dual-radiolabeled nanoparticle SPECT probes for bioimaging. *Nanoscale*, **2015**, 7, 440-4	7.7	39
189	Preclinical Development of CD38-Targeted [Zr]Zr-DFO-Daratumumab for Imaging Multiple Myeloma. *Journal of Nuclear Medicine*, **2018**, 59, 216-222	8.9	37
188	Two-photon optical properties of near-infrared dyes at 1.55 Ëm excitation. *Journal of Physical Chemistry B*, **2011**, 115, 11530-5	3.4	36
187	Binocular Goggle Augmented Imaging and Navigation System provides real-time fluorescence image guidance for tumor resection and sentinel lymph node mapping. *Scientific Reports*, **2015**, 5, 12117	4.9	35
186	Predicting in vivo fluorescence lifetime behavior of near-infrared fluorescent contrast agents using in vitro measurements. *Journal of Biomedical Optics*, **2008**, 13, 054042	3.5	35
185	Enhancing proteasome-inhibitory activity and specificity of bortezomib by CD38 targeted nanoparticles in multiple myeloma. *Journal of Controlled Release*, **2018**, 270, 158-176	11.7	35
184	Drug loaded multilayered gold nanorods for combined photothermal and chemotherapy. *Biomaterials Science*, **2014**, 2, 996-1006	7.4	34
183	Complementary optical and nuclear imaging of caspase-3 activity using combined activatable and radio-labeled multimodality molecular probe. *Journal of Biomedical Optics*, **2009**, 14, 040507	3.5	34
182	First in-human intraoperative imaging of HCC using the fluorescence goggle system and transarterial delivery of near-infrared fluorescent imaging agent: a pilot study. *Translational Research*, **2013**, 162, 324-331	11	33
181	Activatable probes based on distance-dependent luminescence associated with Cerenkov radiation. *Angewandte Chemie - International Edition*, **2013**, 52, 7756-60	16.4	33
180	In Vivo Resolution of Multiexponential Decays of Multiple Near-Infrared Molecular Probes by Fluorescence Lifetime-Gated Whole-Body Time-Resolved Diffuse Optical Imaging. *Molecular Imaging*, **2007**, 6, 7290.2007.00020	3.7	33
179	Gold nanoparticles based molecular beacons for in vitro and in vivo detection of the matriptase expression on tumor. *Biosensors and Bioelectronics*, **2013**, 49, 216-21	11.8	32
178	Hybrid TiO2–Ruthenium Nano-photosensitizer Synergistically Produces Reactive Oxygen Species in both Hypoxic and Normoxic Conditions. *Angewandte Chemie*, **2017**, 129, 10857-10860	3.6	32
177	pH-dependent optical properties of synthetic fluorescent imidazoles. *Chemistry - A European Journal*, **2009**, 15, 3560-6	4.8	32
176	Comparison of near-infrared fluorescent deoxyglucose probes with different dyes for tumor diagnosis in vivo. *Contrast Media and Molecular Imaging*, **2012**, 7, 289-301	3.2	31
175	Perspectives and potential applications of nanomedicine in breast and prostate cancer. *Medicinal Research Reviews*, **2013**, 33, 3-32	14.4	30
174	Fluorophore-gold nanoparticle complex for sensitive optical biosensing and imaging. *Nanotechnology*, **2012**, 23, 095501	3.4	30
173	Acidic extracellular pH of tumors induces octamer-binding transcription factor 4 expression in murine fibroblasts in vitro and in vivo. *Scientific Reports*, **2016**, 6, 27803	4.9	29

172	Complementary fluorescence-polarization microscopy using division-of-focal-plane polarization imaging sensor. *Journal of Biomedical Optics*, **2012**, 17, 116001	3.5	29
171	Near-infrared dichromic fluorescent carbocyanine molecules. *Angewandte Chemie - International Edition*, **2008**, 47, 3584-7	16.4	29
170	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. *Molecular Imaging*, **2009**, 8, 101-10	3.7	29
169	In vivo fluorescence lifetime imaging monitors binding of specific probes to cancer biomarkers. *PLoS ONE*, **2012**, 7, e31881	3.7	28
168	Near infrared-fluorescent and magnetic resonance imaging molecular probe with high T1 relaxivity for in vivo multimodal imaging. *Chemical Communications*, **2010**, 46, 3705-7	5.8	28
167	Detection of enzyme activity in orthotopic murine breast cancer by fluorescence lifetime imaging using a fluorescence resonance energy transfer-based molecular probe. *Journal of Biomedical Optics*, **2011**, 16, 066019	3.5	28
166	A new method for the synthesis of tri-tert-butyl diethylenetriaminepentaacetic acid and its derivatives. *Journal of Organic Chemistry*, **2000**, 65, 1562-5	4.2	28
165	Trending: Radioactive and Fluorescent Bimodal/Hybrid Tracers as Multiplexing Solutions for Surgical Guidance. *Journal of Nuclear Medicine*, **2020**, 61, 13-19	8.9	28
164	Studies of inactivation mechanism of non-enveloped icosahedral virus by a visible ultrashort pulsed laser. *Virology Journal*, **2014**, 11, 20	6.1	27
163	Glucosamine derivative modified nanostructured lipid carriers for targeted tumor delivery. *Journal of Materials Chemistry*, **2012**, 22, 5770		27
162	Protonation and Trapping of a Small pH-Sensitive Near-Infrared Fluorescent Molecule in the Acidic Tumor Environment Delineate Diverse Tumors in Vivo. *Molecular Pharmaceutics*, **2015**, 12, 4237-46	5.6	26
161	Broad spectrum photoluminescent quaternary quantum dots for cell and animal imaging. *Chemical Communications*, **2013**, 49, 9494-6	5.8	26
160	Multiphoton microscopy with near infrared contrast agents. *Journal of Biomedical Optics*, **2010**, 15, 030505	3.5	25
159	Modulation of effector caspase cleavage determines response of breast and lung tumor cell lines to chemotherapy. *Cancer Investigation*, **2009**, 27, 417-29	2.1	25
158	Optical See-Through Cancer Vision Goggles Enable Direct Patient Visualization and Real-Time Fluorescence-Guided Oncologic Surgery. *Annals of Surgical Oncology*, **2017**, 24, 1897-1903	3.1	23
157	Estrogen receptor potentiates the antiproliferative effect of raloxifene and affects the cell migration and invasion in HCT-116 colon cancer cells. *Journal of Cancer Research and Clinical Oncology*, **2012**, 138, 1091-103	4.9	23
156	Using in-vivo fluorescence imaging in personalized cancer diagnostics and therapy, an image and treat paradigm. *Technology in Cancer Research and Treatment*, **2011**, 10, 549-60	2.7	23
155	Targeting Beta-3 integrin using a linear hexapeptide labeled with a near-infrared fluorescent molecular probe. *Molecular Pharmaceutics*, **2006**, 3, 539-49	5.6	23

154	Dating bloodstains with fluorescence lifetime measurements. *Chemistry - A European Journal*, **2012**, 18, 1303-5	4.8	22
153	Intravenous application of CD271-selected mesenchymal stem cells during fracture healing. *Journal of Orthopaedic Trauma*, **2014**, 28 Suppl 1, S15-9	3.1	22
152	Multimodal fluorescence-mediated tomography and SPECT/CT for small-animal imaging. *Journal of Nuclear Medicine*, **2013**, 54, 639-46	8.9	22
151	3D Printing of Poloxamer 407 Nanogel Discs and Their Applications in Adjuvant Ovarian Cancer Therapy. *Molecular Pharmaceutics*, **2019**, 16, 552-560	5.6	22
150	Native fluorescence spectroscopy reveals spectral differences among prostate cancer cell lines with different risk levels. *Journal of Biomedical Optics*, **2013**, 18, 87002	3.5	21
149	The enhanced antiproliferative response to combined treatment of trichostatin A with raloxifene in MCF-7 breast cancer cells and its relevance to estrogen receptor expression. *Molecular and Cellular Biochemistry*, **2012**, 366, 111-22	4.2	21
148	Improved targeting of ligand-modified adenovirus as a new near infrared fluorescence tumor imaging probe. *Bioconjugate Chemistry*, **2011**, 22, 567-81	6.3	21
147	Dynamic noninvasive monitoring of renal function in vivo by fluorescence lifetime imaging. *Journal of Biomedical Optics*, **2009**, 14, 020501	3.5	21
146	Tumor microenvironment-targeted nanoparticles loaded with bortezomib and ROCK inhibitor improve efficacy in multiple myeloma. *Nature Communications*, **2020**, 11, 6037	17.4	21
145	Targeting CXCR4CXCL12 Axis for Visualizing, Predicting, and Inhibiting Breast Cancer Metastasis with Theranostic AMD3100Ag2S Quantum Dot Probe. *Advanced Functional Materials*, **2018**, 28, 1800732	15.6	20
144	Defining a polymethine dye for fluorescence anisotropy applications in the near-infrared spectral range. *ChemPhysChem*, **2012**, 13, 716-23	3.2	20
143	A NIR Dye for Development of Peripheral Nerve Targeted Probes. *MedChemComm*, **2012**, 3, 685-690	5	20
142	In vitro and in vivo evaluation of a 64Cu-labeled NOTA-Bn-SCN-Aoc-bombesin analogue in gastrin-releasing peptide receptor expressing prostate cancer. *Nuclear Medicine and Biology*, **2012**, 39, 609-16	2.1	20
141	Extracellular pH Modulates Neuroendocrine Prostate Cancer Cell Metabolism and Susceptibility to the Mitochondrial Inhibitor Niclosamide. *PLoS ONE*, **2016**, 11, e0159675	3.7	20
140	Shape-Dependent Biodistribution of Biocompatible Silk Microcapsules. *ACS Applied Materials & Interfaces*, **2019**, 11, 5499-5508	9.5	20
139	Bio-inspired imager improves sensitivity in near-infrared fluorescence image-guided surgery. *Optica* , **2018**, 5, 413-422	8.6	19
138	Tryptophan as the fingerprint for distinguishing aggressiveness among breast cancer cell lines using native fluorescence spectroscopy. *Journal of Biomedical Optics*, **2014**, 19, 37005	3.5	19
137	Pyrazole-substituted near-infrared cyanine dyes exhibit pH-dependent fluorescence lifetime properties. *Photochemistry and Photobiology*, **2013**, 89, 326-31	3.6	19

136	Video-rate fluorescence diffuse optical tomography for in vivo sentinel lymph node imaging. *Biomedical Optics Express*, **2011**, 2, 3267-77	3.5	19
135	Multimodality imaging of gene transfer with a receptor-based reporter gene. *Journal of Nuclear Medicine*, **2010**, 51, 1456-63	8.9	19
134	Radioactivity-synchronized fluorescence enhancement using a radionuclide fluorescence-quenched dye. *Journal of the American Chemical Society*, **2009**, 131, 9198-200	16.4	19
133	Selective imaging of solid tumours via the calcium-dependent high-affinity binding of a cyclic octapeptide to phosphorylated Annexin A2. *Nature Biomedical Engineering*, **2020**, 4, 298-313	19	18
132	BLOOD TRIGGERED RAPID RELEASE POROUS NANOCAPSULES. *RSC Advances*, **2013**, 3, 5547-5555	3.7	18
131	Intraoperative detection of liver tumors aided by a fluorescence goggle system and multimodal imaging. *Analyst, The*, **2013**, 138, 2254-7	5	18
130	Trimodal color-fluorescence-polarization endoscopy aided by a tumor selective molecular probe accurately detects flat lesions in colitis-associated cancer. *Journal of Biomedical Optics*, **2014**, 19, 126002	3.5	17
129	Highly luminescent water-soluble quaternary $ZnAgInS$ quantum dots and their unique precursor S/In ratio-dependent spectral shifts. *Journal of Luminescence*, **2014**, 146, 364-370	3.8	16
128	Glucosamine-linked near-infrared fluorescent probes for imaging of solid tumor xenografts. *Molecular Imaging and Biology*, **2012**, 14, 443-51	3.8	16
127	Imaging mRNA expression levels in living cells with PNA–DNA binary FRET probes delivered by cationic shell-crosslinked nanoparticles. *Organic and Biomolecular Chemistry*, **2013**, 11, 3159-67	3.9	16
126	Gold nanoparticle-fluorophore complex for conditionally fluorescing signal mediator. *Analytica Chimica Acta*, **2011**, 695, 96-104	6.6	16
125	Calcium carbonate nanoparticles stimulate tumor metabolic reprogramming and modulate tumor metastasis. *Nanomedicine*, **2019**, 14, 169-182	5.6	16
124	In vivo resolution of multiexponential decays of multiple near-infrared molecular probes by fluorescence lifetime-gated whole-body time-resolved diffuse optical imaging. *Molecular Imaging*, **2007**, 6, 237-46	3.7	16
123	Osteotropic Radiolabeled Nanophotosensitizer for Imaging and Treating Multiple Myeloma. *ACS Nano*, **2020**, 14, 4255-4264	16.7	15
122	Repurposing Molecular Imaging and Sensing for Cancer Image-Guided Surgery. *Journal of Nuclear Medicine*, **2020**, 61, 1113-1122	8.9	15
121	Noninvasive depth estimation using tissue optical properties and a dual-wavelength fluorescent molecular probe. *Biomedical Optics Express*, **2017**, 8, 3095-3109	3.5	15
120	Inhibitory effects of ER–on proliferation, invasion, and tumor formation of MCF-7 breast cancer cells--prognostication for the use of ER–selective therapy. *Pharmaceutical Biology*, **2012**, 50, 839-49	3.8	15
119	Sensitivity of activatable reactive oxygen species probes by fluorescence spectroelectrochemistry. *Analyst, The*, **2013**, 138, 4363-9	5	15

118	Glycan array analysis of the antigen repertoire targeted by tumor-binding antibodies. *Bioorganic and Medicinal Chemistry Letters*, **2012**, 22, 6839-43	2.9	14
117	Exploring new near-infrared fluorescent disulfide-based cyclic RGD peptide analogs for potential integrin-targeted optical imaging. *Bioorganic and Medicinal Chemistry Letters*, **2011**, 21, 2116-20	2.9	14
116	Synthesis of monodisperse perfluoroalkyl□xyethylene surfactants with methoxy capping: surfactants of high chemical inertness. *Journal of the Chemical Society Chemical Communications*, **1990**, 911-912		14
115	All-near-infrared multiphoton microscopy interrogates intact tissues at deeper imaging depths than conventional single- and two-photon near-infrared excitation microscopes. *Journal of Biomedical Optics*, **2013**, 18, 106012	3.5	13
114	Spectral properties of pro-multimodal imaging agents derived from a NIR dye and a metal chelator. *Photochemistry and Photobiology*, **2005**, 81, 1499-504	3.6	13
113	Somatostatin analogues for receptor targeted photodynamic therapy. *PLoS ONE*, **2014**, 9, e104448	3.7	13
112	Nanophotosensitive drugs for light-based cancer therapy: what does the future hold?. *Nanomedicine*, **2017**, 12, 1101-1105	5.6	12
111	Proof-of-Concept of Polymeric Sol-Gels in Multi-Drug Delivery and Intraoperative Image-Guided Surgery for Peritoneal Ovarian Cancer. *Pharmaceutical Research*, **2016**, 33, 2298-306	4.5	12
110	Monoclonal antibody CC188 binds a carbohydrate epitope expressed on the surface of both colorectal cancer stem cells and their differentiated progeny. *Clinical Cancer Research*, **2008**, 14, 7461-9	12.9	12
109	Synthesis and evaluation of the properties of fluorinated amphiphilic amides of 2,2-bis(hydroxymethyl)propionic acid. *Journal of the Chemical Society Chemical Communications*, **1991**, 863		12
108	Nanotherapy delivery of c-myc inhibitor targets Protumor Macrophages and preserves Antitumor Macrophages in Breast Cancer. *Theranostics*, **2020**, 10, 7510-7526	12.1	12
107	Nanoparticle T-cell engagers as a modular platform for cancer immunotherapy. *Leukemia*, **2021**, 35, 2346-2357	12.7	12
106	Na-H exchanger 1 determines atherosclerotic lesion acidification and promotes atherogenesis. *Nature Communications*, **2019**, 10, 3978	17.4	11
105	Therapeutic effect of the treatment for colorectal cancer with adenoviral vectors mediated estrogen receptor □gene therapy combined with thermotherapy. *Journal of Cancer Research and Clinical Oncology*, **2014**, 140, 623-32	4.9	11
104	A dual-targeting nanocarrier based on modified chitosan micelles for tumor imaging and therapy. *Polymer Chemistry*, **2014**, 5, 4734	4.9	11
103	Rapid response activatable molecular probes for intraoperative optical image-guided tumor resection. *Hepatology*, **2012**, 56, 1170-3	11.2	11
102	Dynamic optical projection of acquired luminescence for aiding oncologic surgery. *Journal of Biomedical Optics*, **2013**, 18, 120501	3.5	11
101	Measurement of the binding parameters of annexin derivative-erythrocyte membrane interactions. *Analytical Biochemistry*, **2010**, 406, 70-9	3.1	11

100	Modulation of nuclear internalization of Tat peptides by fluorescent dyes and receptor-avid peptides. *FEBS Letters*, **2007**, 581, 1793-9	3.8	11
99	Electrospray Functionalization of Titanium Dioxide Nanoparticles with Transferrin for Cerenkov Radiation Induced Cancer Therapy. *ACS Applied Bio Materials*, **2019**, 2, 1141-1147	4.1	10
98	Study of rotational dynamics of receptor-targeted contrast agents in cancerous and normal prostate tissues using time-resolved picosecond emission spectroscopy. *Applied Optics*, **2011**, 50, 1312-22	9.2	10
97	Engineering NIR dyes for fluorescent lifetime contrast. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2009**, 2009, 114-7	0.9	10
96	Reply to 'Is Cherenkov luminescence bright enough for photodynamic therapy?' *Nature Nanotechnology*, **2018**, 13, 354-355	28.7	9
95	Dual target gene therapy to EML4-ALK NSCLC by a gold nanoshell-based system. *Theranostics*, **2018**, 8, 2621-2633	12.1	9
94	Ultrashort pulsed laser treatment inactivates viruses by inhibiting viral replication and transcription in the host nucleus. *Antiviral Research*, **2014**, 110, 70-6	10.8	9
93	Click Reaction-Mediated Functionalization of Near-Infrared Pyrrolopyrrole Cyanine Dyes for Biological Imaging Applications. *RSC Advances*, **2013**, 3, 6756-6758	3.7	9
92	NIR fluorophore-hollow gold nanosphere complex for cancer enzyme-triggered detection and hyperthermia. *Advances in Experimental Medicine and Biology*, **2013**, 765, 323-328	3.6	9
91	Optimization of the near-infrared fluorescence labeling for in vivo monitoring of a protein drug distribution in animal model. *Journal of Fluorescence*, **2009**, 19, 277-84	2.4	9
90	Molecular modeling suggests conformational scaffolds specifically targeting five subtypes of somatostatin receptors. *Chemical Biology and Drug Design*, **2007**, 69, 163-9	2.9	9
89	Highly specific, NIR fluorescent contrast agent with emission controlled by gold nanoparticle. *Advances in Experimental Medicine and Biology*, **2011**, 701, 149-54	3.6	9
88	Multimodal fluorescence molecular imaging for in vivo characterization of skin cancer using endogenous and exogenous fluorophores. *Journal of Biomedical Optics*, **2017**, 22, 66007	3.5	8
87	Image overlay solution based on threshold detection for a compact near infrared fluorescence goggle system. *Journal of Biomedical Optics*, **2015**, 20, 016018	3.5	8
86	Influence of Bone and Muscle Injuries on the Osteogenic Potential of Muscle Progenitors: Contribution of Tissue Environment to Heterotopic Ossification. *Stem Cells Translational Medicine*, **2016**, 5, 745-53	6.9	8
85	Selective photonic disinfection of cell culture using a visible ultrashort pulsed laser. *IEEE Journal of Selected Topics in Quantum Electronics*, **2016**, 22,	3.8	8
84	Engineering light-emitting diode surgical light for near-infrared fluorescence image-guided surgical systems. *Journal of Biomedical Optics*, **2014**, 19, 076018	3.5	8
83	Synthesis and spectroscopy of near infrared fluorescent dyes for investigating dichromic fluorescence. *Bioorganic and Medicinal Chemistry Letters*, **2011**, 21, 280-4	2.9	8

82	Novel synthon for incorporating 1,3-dimethyl imidazolium group into molecular architecture. *Tetrahedron Letters*, **2007**, 48, 1195-1199	2	8
81	Bioactive surfactants containing a □lactam group: synthesis and properties. *Journal of the Chemical Society Chemical Communications*, **1995**, 1279-1280		8
80	Nano-antacids enhance pH neutralization beyond their bulk counterparts: synthesis and characterization. *RSC Advances*, **2016**, 6, 54331-54335	3.7	8
79	Compact wearable dual-mode imaging system for real-time fluorescence image-guided surgery. *Journal of Biomedical Optics*, **2015**, 20, 096010	3.5	7
78	Nanotherapeutics for multiple myeloma. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2018**, 10, e1526	9.2	7
77	Diagnosis of LVAD Thrombus using a High-Avidity Fibrin-Specific Tc Probe. *Theranostics*, **2018**, 8, 1168-1179	12.1	7
76	Probing Distance-Dependent Plasmon-Enhanced Near-Infrared Fluorescence Using Polyelectrolyte Multilayers as Dielectric Spacers. *Angewandte Chemie*, **2014**, 126, 885-889	3.6	7
75	Chemical-free inactivated whole influenza virus vaccine prepared by ultrashort pulsed laser treatment. *Journal of Biomedical Optics*, **2015**, 20, 051008	3.5	7
74	Dual fluorescent molecular substrates selectively report the activation, sustainability and reversibility of cellular PKB/Akt activity. *Scientific Reports*, **2013**, 3, 1697	4.9	7
73	Understanding Dichromic Fluorescence Manifested in Certain ICG Analogs. *Pure and Applied Chemistry*, **2010**, 82, 307-311	2.1	7
72	Fluorescent lifetime of near infrared dyes for structural analysis of serum albumin **2008**,		7
71	Endogenous Cyclin D1 Promotes the Rate of Onset and Magnitude of Mitogenic Signaling via Akt1 Ser473 Phosphorylation. *Cell Reports*, **2020**, 32, 108151	10.6	7
70	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. *Haematologica*, **2016**, 101, e307-11	6.6	7
69	Bloodstain age analysis: toward solid state fluorescent lifetime measurements **2013**,		6
68	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. *Molecular Imaging*, **2014**, 13,	3.7	6
67	Near-infrared fluorescent divalent RGD ligand for integrin □□targeted optical imaging. *Bioorganic and Medicinal Chemistry Letters*, **2012**, 22, 5405-9	2.9	6
66	FRET-like fluorophore-nanoparticle complex for highly specific cancer localization. *Advances in Experimental Medicine and Biology*, **2010**, 662, 407-13	3.6	6
65	Single step aerosol synthesis of nanocomposites by aerosol routes: □Fe2O3/SiO2 and their functionalization. *Journal of Materials Research*, **2011**, 26, 1225-1233	2.5	6

64	Pathogen reduction in human plasma using an ultrashort pulsed laser. *PLoS ONE*, **2014**, 9, e111673	3.7	6
63	Targeted Therapy to β3 Integrin Reduces Chemoresistance in Breast Cancer Bone Metastases. *Molecular Cancer Therapeutics*, **2021**, 20, 1183-1198	6.1	6
62	Utilizing the Multiradionuclide Resolving Power of SPECT and Dual Radiolabeled Single Molecules to Assess Treatment Response of Tumors. *Molecular Imaging and Biology*, **2015**, 17, 671-9	3.8	5
61	Enhancing in vivo tumor boundary delineation with structured illumination fluorescence molecular imaging and spatial gradient mapping. *Journal of Biomedical Optics*, **2016**, 21, 80502	3.5	5
60	Biological applications of fluorescence lifetime imaging beyond microscopy **2010**,		5
59	Intracranial glioma xenograft model rapidly reestablishes blood-brain barrier integrity for longitudinal imaging of tumor progression using fluorescence molecular tomography and contrast agents. *Journal of Biomedical Optics*, **2020**, 25, 1-13	3.5	5
58	Gradient-Based Algorithm for Determining Tumor Volumes in Small Animals Using Planar Fluorescence Imaging Platform. *Tomography*, **2016**, 2, 17-25	3.1	5
57	Differential activity of caspase-3 regulates susceptibility of lung and breast tumor cell lines to Paclitaxel. *The Open Biochemistry Journal*, **2008**, 2, 121-8	0.9	5
56	Cellular Trafficking of Sn-2 Phosphatidylcholine Prodrugs Studied with Fluorescence Lifetime Imaging and Super-resolution Microscopy. *Precision Nanomedicine*, **2018**, 1, 128-145	1.2	5
55	Performance analysis and design of position-encoded microsphere arrays using the Ziv-Zakai bound. *IEEE Transactions on Nanobioscience*, **2013**, 12, 29-40	3.4	4
54	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. *Annals of Plastic Surgery*, **2017**, 78, S129-S134	1.7	4
53	Noninvasive imaging of focal atherosclerotic lesions using fluorescence molecular tomography. *Journal of Biomedical Optics*, **2014**, 19, 110501	3.5	4
52	MAb L9E10 to blood group H2 antigen binds to colon cancer stem cells and inhibits tumor cell migration and invasion. *Hybridoma*, **2010**, 29, 355-9		4
51	Near-Infrared Dichromic Fluorescent Carbocyanine Molecules. *Angewandte Chemie*, **2008**, 120, 3640-3643	3.6	4
50	The membrane-associated form of cyclin D1 enhances cellular invasion. *Oncogenesis*, **2020**, 9, 83	6.6	4
49	Development of [Zr]DFO-elotuzumab for immunoPET imaging of CS1 in multiple myeloma. *European Journal of Nuclear Medicine and Molecular Imaging*, **2021**, 48, 1302-1311	8.8	4
48	Imaging Melphalan Therapy Response in Preclinical Extramedullary Multiple Myeloma with F-FDOPA and F-FDG PET. *Journal of Nuclear Medicine*, **2018**, 59, 1551-1557	8.9	3
47	Visualization of pulmonary clearance mechanisms via noninvasive optical imaging validated by near-infrared flow cytometry. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2015**, 87, 419-27	4.6	3

46	Microfluidic microsphere-trap arrays for simultaneous detection of multiple targets **2013**,		3
45	Quantitative small animal fluorescence tomography using an ultrafast gated image intensifier. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society*, **2006**, 2006, 2675-8		3
44	Calcium carbonate nanoparticles stimulate cancer cell reprogramming to suppress tumor growth and invasion in an organ-on-a-chip system. *Scientific Reports*, **2021**, 11, 9246	4.9	3
43	Perfusion-based fluorescence imaging method delineates diverse organs and identifies multifocal tumors using generic near-infrared molecular probes. *Journal of Biophotonics*, **2018**, 11, e201700232	3.1	3
42	Trafficking of a Single Photosensitizing Molecule to Different Intracellular Organelles Demonstrates Effective Hydroxyl Radical-Mediated Photodynamic Therapy in the Endoplasmic Reticulum. *Bioconjugate Chemistry*, **2019**, 30, 1451-1458	6.3	2
41	A compact NIR fluorescence imaging system with goggle display for intraoperative guidance **2015**,		2
40	Head-Mounted Devices for Noninvasive Cancer Imaging and Intraoperative Image-Guided Surgery. *Advanced Functional Materials*, **2020**, 30, 2000185	15.6	2
39	Effects of core titanium crystal dimension and crystal phase on ROS generation and tumour accumulation of transferrin coated titanium dioxide nanoaggregates. *RSC Advances*, **2020**, 10, 23759-23766	3.7	2
38	Community detection for fluorescent lifetime microscopy image segmentation **2014**,		2
37	Near-infrared molecular imaging probes based on chlorin-bacteriochlorin dyads **2010**,		2
36	Synthesis of functional near infrared pyrrolopyrrole cyanine dyes for optical and photoacoustic imaging. *Heterocyclic Communications*, **2010**, 16,	1.7	2
35	An Off-the-Shelf Fratricide-Resistant CAR-T for the Treatment of T Cell Hematologic Malignancies. *Blood*, **2017**, 130, 844-844	2.2	2
34	Focal dynamic thermal imaging for label-free high-resolution characterization of materials and tissue heterogeneity. *Scientific Reports*, **2020**, 10, 12549	4.9	2
33	Multifunctional Thio-Stabilized Gold Nanoparticles for Near-Infrared Fluorescence Detection and Imaging of Activated Caspase-3. *Current Analytical Chemistry*, **2021**, 17, 1182-1193	1.7	2
32	Sensitivity enhancement of NIR fluorescence contrast agent utilizing gold nanoparticles. *Advances in Experimental Medicine and Biology*, **2012**, 737, 285-91	3.6	2
31	Photoacoustic laser effects in live mouse blastocysts: pilot safety studies of DNA damage from photoacoustic imaging doses. *F&S Science*, **2020**, 1, 53-58	0.4	1
30	Reduced Nhe1 (Na-H Exchanger-1) Function Protects ApoE-Deficient Mice From Ang II (Angiotensin II)-Induced Abdominal Aortic Aneurysms. *Hypertension*, **2020**, 76, 87-100	8.5	1
29	Live demonstration: A compact NIR fluorescence imaging system design with goggle display for intraoperative guidance **2015**,		1

28	Quantitative determination of maximal imaging depth in all-NIR multiphoton microscopy images of thick tissues **2014**,		1
27	Near infrared fluorescence quenching properties of copper (II) ions for potential applications in biological imaging **2014**,		1
26	Compact intraoperative imaging device for sentinel lymph node mapping **2011**,		1
25	Strategies for developing pH sensitive fluorescent probes **2010**,		1
24	Characterization of quenched fluorescent triple helical peptides for MMP-2 and MMP-9 optical imaging **2009**,		1
23	Novel optical contrast agents containing both DFO and multi-RGD peptides **2007**,		1
22	Synthesis, metal coordination, and cellular internalization of a siderophore-bearing NIR fluorescent carbocyanine probe **2006**,		1
21	Liposomal phytohemagglutinin: In vivo T-cell activator as a novel pan-cancer immunotherapy.. *Journal of Cellular and Molecular Medicine*, **2022**,	5.6	1
20	Fluorescence lifetime tomography for whole body small animal imaging **2008**,		1
19	Fluorescence Goggle System for Surgical Navigation **2012**,		1
18	Copper-Catalyzed Covalent Dimerization of Near-Infrared Fluorescent Cyanine Dyes: Synergistic Enhancement of Photoacoustic Signals for Molecular Imaging of Tumors. *Analysis & Sensing*,		1
17	Effect of linkers on the $\alpha_v\beta_3$ integrin targeting efficiency of cyclic RGD-conjugates. **2018**,		1
16	Fluorescence lifetime imaging reveals heterogeneous functional distribution of eGFP expressed in Xenopus oocytes. *Methods and Applications in Fluorescence*, **2019**, 8, 015001	3.1	1
15	Nanoparticle T cell engagers for the treatment of acute myeloid leukemia. *Oncotarget*, **2021**, 12, 1878-1885	3.5	1
14	Orthogonal targeting of osteoclasts and myeloma cells for radionuclide stimulated dynamic therapy induces multidimensional cell death pathways. *Theranostics*, **2021**, 11, 7735-7754	12.1	1
13	Dynamic and Continuous Monitoring of Renal and Hepatic Functions with Exogenous Markers. *Topics in Current Chemistry*, **2002**, 31-72		1
12	Inactivation of multidrug-resistant bacteria and bacterial spores and generation of high-potency bacterial vaccines using ultrashort pulsed lasers. *Journal of Biophotonics*, **2021**, e202100207	3.1	0
11	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. *EJNMMI Research*, **2021**, 11, 97	3.6	0

List of Publications

10	Longitudinal preclinical magnetic resonance imaging of diffuse tumor burden in intramedullary myeloma following bortezomib therapy. *NMR in Biomedicine*, **2019**, 32, e4122	4.4
9	Matriptase Sensitive Gold Nanoparticle Probe for early Cancer Detection. *Advanced Materials Research*, **2012**, 529, 301-305	0.5
8	Understanding dichromic fluorescence manifested in certain ICG analoges. *Journal of Biotechnology* , **2008**, 136, S78	3.7
7	Synthesis and evaluation of two NIR fluorescent cyclic RGD penta-peptides for targeting integrins **2006**, 6097, 53	
6	Receptor-Targeted Fluorescent Contrast Agents For in vivo Tumor Imaging. *Optics and Photonics News*, **2001**, 12, 28	1.9
5	Non-invasive monitoring of arthritis treatment response via targeting of tyrosine-phosphorylated annexin A2 in chondrocytes. *Arthritis Research and Therapy*, **2021**, 23, 265	5.7
4	Side-chain modification of collagen-targeting peptide prevents dye aggregation for improved molecular imaging of arthritic joints. *Journal of Photochemistry and Photobiology A: Chemistry*, **2021**, 113624	4.7
3	Meet Our Editor. *Current Analytical Chemistry*, **2016**, 13, 1-2	1.7
2	Virtual and Augmented Reality Technologies in Molecular and Anatomical Imaging **2021**, 1591-1612	
1	Early Expression of MMP-9 Predicts Recovery of Tibialis Anterior after Sciatic Nerve Crush Injury.. *Plastic and Reconstructive Surgery - Global Open*, **2022**, 10, e4260	1.2