

# Zhen Cheng

## List of Publications by Citations

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332  
papers

18,362  
citations

67  
h-index

124  
g-index

361  
ext. papers

21,141  
ext. citations

8.5  
avg, IF

6.72  
L-index

#	Paper	IF	Citations
332	Carbon nanotubes as photoacoustic molecular imaging agents in living mice. <i>Nature Nanotechnology</i> , <b>2008</b> , 3, 557-62	28.7	1065
331	A small-molecule dye for NIR-II imaging. <i>Nature Materials</i> , <b>2016</b> , 15, 235-42	27	939
330	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , <b>2017</b> , 11, 2313-2381	16.7	714
329	Noninvasive molecular imaging of small living subjects using Raman spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 5844-9	11.5	525
328	Crucial breakthrough of second near-infrared biological window fluorophores: design and synthesis toward multimodal imaging and theranostics. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 4258-4278	58.5	451
327	In vitro and in vivo uncaging and bioluminescence imaging by using photocaged upconversion nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 3125-9	16.4	398
326	Effects of nanoparticle size on cellular uptake and liver MRI with polyvinylpyrrolidone-coated iron oxide nanoparticles. <i>ACS Nano</i> , <b>2010</b> , 4, 7151-60	16.7	373
325	Particle size, surface coating, and PEGylation influence the biodistribution of quantum dots in living mice. <i>Small</i> , <b>2009</b> , 5, 126-34	11	368
324	A high quantum yield molecule-protein complex fluorophore for near-infrared II imaging. <i>Nature Communications</i> , <b>2017</b> , 8, 15269	17.4	320
323	Transferring biomarker into molecular probe: melanin nanoparticle as a naturally active platform for multimodality imaging. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 15185-94	16.4	272
322	First-in-human liver-tumour surgery guided by multispectral fluorescence imaging in the visible and near-infrared-I/II windows. <i>Nature Biomedical Engineering</i> , <b>2020</b> , 4, 259-271	19	265
321	microPET imaging of glioma integrin $\alpha v \beta 3$ expression using $(64)\text{Cu}$ -labeled tetrameric RGD peptide. <i>Journal of Nuclear Medicine</i> , <b>2005</b> , 46, 1707-18	8.9	249
320	Noninvasive Raman spectroscopy in living mice for evaluation of tumor targeting with carbon nanotubes. <i>Nano Letters</i> , <b>2008</b> , 8, 2800-5	11.5	243
319	Novel benzo-bis(1,2,5-thiadiazole) fluorophores for NIR-II imaging of cancer. <i>Chemical Science</i> , <b>2016</b> , 7, 6203-6207	9.4	221
318	Near-infrared fluorescent RGD peptides for optical imaging of integrin $\alpha v \beta 3$ expression in living mice. <i>Bioconjugate Chemistry</i> , <b>2005</b> , 16, 1433-41	6.3	217
317	Biological imaging without autofluorescence in the second near-infrared region. <i>Nano Research</i> , <b>2015</b> , 8, 3027-3034	10	201
316	Perylene-diimide-based nanoparticles as highly efficient photoacoustic agents for deep brain tumor imaging in living mice. <i>Advanced Materials</i> , <b>2015</b> , 27, 843-7	24	197

3 <sup>15</sup>	Real-time intravital imaging of RGD-quantum dot binding to luminal endothelium in mouse tumor neovasculature. <i>Nano Letters</i> , <b>2008</b> , 8, 2599-606	11.5	192
3 <sup>14</sup>	Nanocomposite-Based Photodynamic Therapy Strategies for Deep Tumor Treatment. <i>Small</i> , <b>2015</b> , 11, 5860-87	11	187
3 <sup>13</sup>	Near-infrared fluorescent nanoprobes for cancer molecular imaging: status and challenges. <i>Trends in Molecular Medicine</i> , <b>2010</b> , 16, 574-83	11.5	186
3 <sup>12</sup>	Novel bright-emission small-molecule NIR-II fluorophores for tumor imaging and image-guided surgery. <i>Chemical Science</i> , <b>2017</b> , 8, 3489-3493	9.4	184
3 <sup>11</sup>	microPET-based biodistribution of quantum dots in living mice. <i>Journal of Nuclear Medicine</i> , <b>2007</b> , 48, 1511-8	8.9	165
3 <sup>10</sup>	In vivo near-infrared fluorescence imaging of cancer with nanoparticle-based probes. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2010</b> , 2, 349-66	9.2	163
3 <sup>09</sup>	Ultrasmall near-infrared non-cadmium quantum dots for in vivo tumor imaging. <i>Small</i> , <b>2010</b> , 6, 256-61	11	155
3 <sup>08</sup>	Molecular optical imaging with radioactive probes. <i>PLoS ONE</i> , <b>2010</b> , 5, e9470	3.7	155
3 <sup>07</sup>	Near-infrared fluorescent deoxyglucose analogue for tumor optical imaging in cell culture and living mice. <i>Bioconjugate Chemistry</i> , <b>2006</b> , 17, 662-9	6.3	154
3 <sup>06</sup>	NIR-light-induced surface-enhanced Raman scattering for detection and photothermal/photodynamic therapy of cancer cells using methylene blue-embedded gold nanorod@SiO <sub>2</sub> nanocomposites. <i>Biomaterials</i> , <b>2014</b> , 35, 3309-18	15.6	152
3 <sup>05</sup>	Targeted microbubbles for imaging tumor angiogenesis: assessment of whole-body biodistribution with dynamic micro-PET in mice. <i>Radiology</i> , <b>2008</b> , 249, 212-9	20.5	150
3 <sup>04</sup>	Construction and validation of nano gold tripods for molecular imaging of living subjects. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 3560-71	16.4	144
3 <sup>03</sup>	Diketopyrrolopyrrole-based semiconducting polymer nanoparticles for second near-infrared window imaging and image-guided tumor surgery. <i>Chemical Science</i> , <b>2018</b> , 9, 3105-3110	9.4	133
3 <sup>02</sup>	Engineering Melanin Nanoparticles as an Efficient Drug-Delivery System for Imaging-Guided Chemotherapy. <i>Advanced Materials</i> , <b>2015</b> , 27, 5063-9	24	131
3 <sup>01</sup>	Multifunctional biomedical imaging in physiological and pathological conditions using a NIR-II probe. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1700995	15.6	129
3 <sup>00</sup>	Engineered knottin peptides: a new class of agents for imaging integrin expression in living subjects. <i>Cancer Research</i> , <b>2009</b> , 69, 2435-42	10.1	128
2 <sup>99</sup>	In vivo tumor-targeted fluorescence imaging using near-infrared non-cadmium quantum dots. <i>Bioconjugate Chemistry</i> , <b>2010</b> , 21, 604-9	6.3	124
2 <sup>98</sup>	Novel dual-function near-infrared II fluorescence and PET probe for tumor delineation and image-guided surgery. <i>Chemical Science</i> , <b>2018</b> , 9, 2092-2097	9.4	122

297	HSA coated MnO nanoparticles with prominent MRI contrast for tumor imaging. <i>Chemical Communications</i> , <b>2010</b> , 46, 6684-6	5.8	120
296	Affibody modified and radiolabeled gold-iron oxide hetero-nanostructures for tumor PET, optical and MR imaging. <i>Biomaterials</i> , <b>2013</b> , 34, 2796-806	15.6	114
295	Amino-functionalized green fluorescent carbon dots as surface energy transfer biosensors for hyaluronidase. <i>Nanoscale</i> , <b>2015</b> , 7, 6836-42	7.7	113
294	Affibody-based nanoprobe for HER2-expressing cell and tumor imaging. <i>Biomaterials</i> , <b>2011</b> , 32, 2141-8	15.6	113
293	A novel clinically translatable fluorescent nanoparticle for targeted molecular imaging of tumors in living subjects. <i>Nano Letters</i> , <b>2012</b> , 12, 281-6	11.5	111
292	Synthesis, Characterization, and Biomedical Applications of a Targeted Dual-Modal Near-Infrared-II Fluorescence and Photoacoustic Imaging Nanoprobe. <i>ACS Nano</i> , <b>2017</b> , 11, 12276-12291	16.7	108
291	Affibody-functionalized gold-silica nanoparticles for Raman molecular imaging of the epidermal growth factor receptor. <i>Small</i> , <b>2011</b> , 7, 625-33	11	107
290	Synthesis and radioluminescence of PEGylated Eu(3+) -doped nanophosphors as bioimaging probes. <i>Advanced Materials</i> , <b>2011</b> , 23, H195-9	24	107
289	Harnessing the power of radionuclides for optical imaging: Cerenkov luminescence imaging. <i>Journal of Nuclear Medicine</i> , <b>2011</b> , 52, 2009-18	8.9	107
288	Polymethine Thiopyrylium Fluorophores with Absorption beyond 1000 nm for Biological Imaging in the Second Near-Infrared Subwindow. <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 2049-2059	8.3	107
287	Enhanced Fructose Utilization Mediated by SLC2A5 Is a Unique Metabolic Feature of Acute Myeloid Leukemia with Therapeutic Potential. <i>Cancer Cell</i> , <b>2016</b> , 30, 779-791	24.3	104
286	Targeted Chemo-Photodynamic Combination Platform Based on the DOX Prodrug Nanoparticles for Enhanced Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 13016-13028	9.5	101
285	Ischemic postconditioning-mediated miRNA-21 protects against cardiac ischemia/reperfusion injury via PTEN/Akt pathway. <i>PLoS ONE</i> , <b>2013</b> , 8, e75872	3.7	100
284	Small-animal PET imaging of human epidermal growth factor receptor type 2 expression with site-specific 18F-labeled protein scaffold molecules. <i>Journal of Nuclear Medicine</i> , <b>2008</b> , 49, 804-13	8.9	99
283	Tyrosinase as a multifunctional reporter gene for Photoacoustic/MRI/PET triple modality molecular imaging. <i>Scientific Reports</i> , <b>2013</b> , 3, 1490	4.9	96
282	Radiation-luminescence-excited quantum dots for in vivo multiplexed optical imaging. <i>Small</i> , <b>2010</b> , 6, 1087-91	11	94
281	Hybrid nanotrimers for dual T1 and T2-weighted magnetic resonance imaging. <i>ACS Nano</i> , <b>2014</b> , 8, 9884-9896	16.7	91
280	Intraoperative imaging of tumors using Cerenkov luminescence endoscopy: a feasibility experimental study. <i>Journal of Nuclear Medicine</i> , <b>2012</b> , 53, 1579-84	8.9	91

279	Strained cyclooctyne as a molecular platform for construction of multimodal imaging probes. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 5981-4	16.4	85
278	Live imaging of follicle stimulating hormone receptors in gonads and bones using near infrared II fluorophore. <i>Chemical Science</i> , <b>2017</b> , 8, 3703-3711	9.4	84
277	High Affinity to Skeleton Rare Earth Doped Nanoparticles for Near-Infrared II Imaging. <i>Nano Letters</i> , <b>2019</b> , 19, 2985-2992	11.5	84
276	<sup>64</sup> Cu-labeled alpha-melanocyte-stimulating hormone analog for microPET imaging of melanocortin 1 receptor expression. <i>Bioconjugate Chemistry</i> , <b>2007</b> , 18, 765-72	6.3	84
275	Fluorescent imaging of cancerous tissues for targeted surgery. <i>Advanced Drug Delivery Reviews</i> , <b>2014</b> , 76, 21-38	18.5	82
274	A Self-Assembled DNA Origami-Gold Nanorod Complex for Cancer Theranostics. <i>Small</i> , <b>2015</b> , 11, 5134-41	11	80
273	Visualizing implanted tumors in mice with magnetic resonance imaging using magnetotactic bacteria. <i>Clinical Cancer Research</i> , <b>2009</b> , 15, 5170-7	12.9	80
272	Fluorescent fructose derivatives for imaging breast cancer cells. <i>Bioconjugate Chemistry</i> , <b>2007</b> , 18, 628-36	3.3	80
271	Gadolinium-chelate functionalized bismuth nanotheranostic agent for in vivo MRI/CT/PAI imaging-guided photothermal cancer therapy. <i>Biomaterials</i> , <b>2018</b> , 159, 37-47	15.6	75
270	One-step radiosynthesis of <sup>18</sup> F- $\alpha$ -AlF-NOTA-RGD for tumor angiogenesis PET imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2011</b> , 38, 1732-41	8.8	75
269	A novel method for direct site-specific radiolabeling of peptides using [ <sup>18</sup> F]FDG. <i>Bioconjugate Chemistry</i> , <b>2009</b> , 20, 432-6	6.3	72
268	In Vitro and In Vivo Uncaging and Bioluminescence Imaging by Using Photocaged Upconversion Nanoparticles. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 3179-3183	3.6	70
267	Synergistically Enhancing the Therapeutic Effect of Radiation Therapy with Radiation Activatable and Reactive Oxygen Species-Releasing Nanostructures. <i>ACS Nano</i> , <b>2018</b> , 12, 4946-4958	16.7	69
266	Preclinical evaluation of Raman nanoparticle biodistribution for their potential use in clinical endoscopy imaging. <i>Small</i> , <b>2011</b> , 7, 2232-40	11	67
265	Small-animal PET imaging of human epidermal growth factor receptor positive tumor with a <sup>64</sup> Cu labeled affibody protein. <i>Bioconjugate Chemistry</i> , <b>2010</b> , 21, 947-54	6.3	67
264	Activatable near-infrared fluorescent probe for in vivo imaging of fibroblast activation protein-alpha. <i>Bioconjugate Chemistry</i> , <b>2012</b> , 23, 1704-11	6.3	66
263	Enzyme-responsive multifunctional magnetic nanoparticles for tumor intracellular drug delivery and imaging. <i>Chemistry - an Asian Journal</i> , <b>2011</b> , 6, 1381-9	4.5	66
262	Theranostics of malignant melanoma with <sup>64</sup> CuCl <sub>2</sub> . <i>Journal of Nuclear Medicine</i> , <b>2014</b> , 55, 812-7	8.9	65

261	Non-invasive Imaging of Idiopathic Pulmonary Fibrosis Using Cathepsin Protease Probes. <i>Scientific Reports</i> , <b>2016</b> , 6, 19755	4.9	65
260	Modification of the structure of a metallopeptide: synthesis and biological evaluation of (111)In-labeled DOTA-conjugated rhenium-cyclized alpha-MSH analogues. <i>Journal of Medicinal Chemistry</i> , <b>2002</b> , 45, 3048-56	8.3	63
259	Protein scaffold-based molecular probes for cancer molecular imaging. <i>Amino Acids</i> , <b>2011</b> , 41, 1037-47	3.5	62
258	Molecular imaging for assessment of mesenchymal stem cells mediated breast cancer therapy. <i>Biomaterials</i> , <b>2014</b> , 35, 5162-70	15.6	61
257	Excretable Lanthanide Nanoparticle for Biomedical Imaging and Surgical Navigation in the Second Near-Infrared Window. <i>Advanced Science</i> , <b>2019</b> , 6, 1902042	13.6	60
256	Proof-of-concept study of monitoring cancer drug therapy with cerenkov luminescence imaging. <i>Journal of Nuclear Medicine</i> , <b>2012</b> , 53, 312-317	8.9	60
255	A dual-labeled knottin peptide for PET and near-infrared fluorescence imaging of integrin expression in living subjects. <i>Bioconjugate Chemistry</i> , <b>2010</b> , 21, 436-44	6.3	57
254	Near-infrared quantum dots as optical probes for tumor imaging. <i>Current Topics in Medicinal Chemistry</i> , <b>2010</b> , 10, 1147-57	3	55
253	A 2-helix small protein labeled with 68Ga for PET imaging of HER2 expression. <i>Journal of Nuclear Medicine</i> , <b>2009</b> , 50, 1492-9	8.9	55
252	Melanin-targeted preclinical PET imaging of melanoma metastasis. <i>Journal of Nuclear Medicine</i> , <b>2009</b> , 50, 1692-9	8.9	55
251	Dragon fruit-like biocage as an iron trapping nanoplatfom for high efficiency targeted cancer multimodality imaging. <i>Biomaterials</i> , <b>2015</b> , 69, 30-7	15.6	54
250	The manipulation of natural killer cells to target tumor sites using magnetic nanoparticles. <i>Biomaterials</i> , <b>2012</b> , 33, 5584-92	15.6	54
249	A comparative study of radiolabeled bombesin analogs for the PET imaging of prostate cancer. <i>Journal of Nuclear Medicine</i> , <b>2013</b> , 54, 2132-8	8.9	53
248	Evaluation of a (64)Cu-labeled cystine-knot peptide based on agouti-related protein for PET of tumors expressing alphavbeta3 integrin. <i>Journal of Nuclear Medicine</i> , <b>2010</b> , 51, 251-258	8.9	53
247	Small-animal PET of melanocortin 1 receptor expression using a 18F-labeled alpha-melanocyte-stimulating hormone analog. <i>Journal of Nuclear Medicine</i> , <b>2007</b> , 48, 987-94	8.9	53
246	PET of EGFR expression with an 18F-labeled affibody molecule. <i>Journal of Nuclear Medicine</i> , <b>2012</b> , 53, 1110-8	8.9	52
245	Quaternary Ammonium Salt Based NIR-II Probes for Imaging. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900289	2.2	50
244	Tumor-Targeting Peptides: Ligands for Molecular Imaging and Therapy. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2018</b> , 18, 74-86	2.2	49

243	Comparison of two site-specifically (18)F-labeled affibodies for PET imaging of EGFR positive tumors. <i>Molecular Pharmaceutics</i> , <b>2014</b> , 11, 3947-56	5.6	49
242	<sup>64</sup> Cu-labeled affibody molecules for imaging of HER2 expressing tumors. <i>Molecular Imaging and Biology</i> , <b>2010</b> , 12, 316-24	3.8	48
241	Cancer cell membrane-coated rare earth doped nanoparticles for tumor surgery navigation in NIR-II imaging window. <i>Chemical Engineering Journal</i> , <b>2020</b> , 385, 123959	14.7	48
240	Radioluminescent nanophosphors enable multiplexed small-animal imaging. <i>Optics Express</i> , <b>2012</b> , 20, 11598-604	3.3	47
239	Radioiodination of rhenium cyclized alpha-melanocyte-stimulating hormone resulting in enhanced radioactivity localization and retention in melanoma. <i>Cancer Research</i> , <b>2004</b> , 64, 1411-8	10.1	47
238	Direct site-specific radiolabeling of an Affibody protein with 4-[ <sup>18</sup> F]fluorobenzaldehyde via oxime chemistry. <i>Molecular Imaging and Biology</i> , <b>2008</b> , 10, 177-81	3.8	46
237	Endoscopic imaging of Cerenkov luminescence. <i>Biomedical Optics Express</i> , <b>2012</b> , 3, 1215-25	3.5	45
236	Dynamic visualization of RGD-quantum dot binding to tumor neovasculature and extravasation in multiple living mouse models using intravital microscopy. <i>Small</i> , <b>2010</b> , 6, 2222-9	11	45
235	Epitope-specific monoclonal antibodies to FSH increase bone mass. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 2192-2197	11.5	43
234	In vivo biodistribution and small animal PET of ( <sup>64</sup> )Cu-labeled antimicrobial peptoids. <i>Bioconjugate Chemistry</i> , <b>2012</b> , 23, 1069-79	6.3	43
233	Assessment and comparison of magnetic nanoparticles as MRI contrast agents in a rodent model of human hepatocellular carcinoma. <i>Contrast Media and Molecular Imaging</i> , <b>2012</b> , 7, 363-72	3.2	43
232	Imaging chemically modified adenovirus for targeting tumors expressing integrin alphavbeta3 in living mice with mutant herpes simplex virus type 1 thymidine kinase PET reporter gene. <i>Journal of Nuclear Medicine</i> , <b>2006</b> , 47, 130-9	8.9	43
231	<sup>18</sup> F-fluorobenzoate-labeled cystine knot peptides for PET imaging of integrin $\alpha_5\beta_1$ . <i>Journal of Nuclear Medicine</i> , <b>2013</b> , 54, 1101-5	8.9	42
230	MicroRNA-22 downregulation by atorvastatin in a mouse model of cardiac hypertrophy: a new mechanism for antihypertrophic intervention. <i>Cellular Physiology and Biochemistry</i> , <b>2013</b> , 31, 997-1008	3.9	41
229	Monitoring the Real-Time Circulatory System-Related Physiological and Pathological Processes In Vivo Using a Multifunctional NIR-II Probe. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1906343	15.6	41
228	<sup>99m</sup> Tc-labeled cystine knot peptide targeting integrin $\alpha_5\beta_1$ for tumor SPECT imaging. <i>Molecular Pharmaceutics</i> , <b>2014</b> , 11, 1208-17	5.6	40
227	Overexpression of miRNA-497 inhibits tumor angiogenesis by targeting VEGFR2. <i>Scientific Reports</i> , <b>2015</b> , 5, 13827	4.9	40
226	Pd-catalyzed selective C(sp <sup>3</sup> )-H acetoxylation of amides through an unusual cyclopalladation mechanism. <i>Chemical Communications</i> , <b>2015</b> , 51, 3219-22	5.8	40



225	An engineered knottin peptide labeled with 18F for PET imaging of integrin expression. <i>Bioconjugate Chemistry</i> , <b>2009</b> , 20, 2342-7	6.3	40
224	Bisdeoxycoelenterazine derivatives for improvement of bioluminescence resonance energy transfer assays. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 11900-1	16.4	40
223	NIRF Nanoprobes for Cancer Molecular Imaging: Approaching Clinic. <i>Trends in Molecular Medicine</i> , <b>2020</b> , 26, 469-482	11.5	39
222	A PET imaging approach for determining EGFR mutation status for improved lung cancer patient management. <i>Science Translational Medicine</i> , <b>2018</b> , 10,	17.5	39
221	Evaluation of integrin $\alpha_5\beta_1$ -cysteine knot PET tracers to detect cancer and idiopathic pulmonary fibrosis. <i>Nature Communications</i> , <b>2019</b> , 10, 4673	17.4	39
220	Zwitterionic Manganese and Gadolinium Metal-Organic Frameworks as Efficient Contrast Agents for in Vivo Magnetic Resonance Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 41378-41386	9.5	39
219	PSSMHCpan: a novel PSSM-based software for predicting class I peptide-HLA binding affinity. <i>GigaScience</i> , <b>2017</b> , 6, 1-11	7.6	38
218	SM5-1-conjugated PLA nanoparticles loaded with 5-fluorouracil for targeted hepatocellular carcinoma imaging and therapy. <i>Biomaterials</i> , <b>2014</b> , 35, 2878-89	15.6	38
217	First (18)F-labeled ligand for PET imaging of uPAR: in vivo studies in human prostate cancer xenografts. <i>Nuclear Medicine and Biology</i> , <b>2013</b> , 40, 618-24	2.1	38
216	PET imaging of tumor neovascularization in a transgenic mouse model with a novel 64Cu-DOTA-knottin peptide. <i>Cancer Research</i> , <b>2010</b> , 70, 9022-30	10.1	38
215	Nanoparticle-enhanced chemo-immunotherapy to trigger robust antitumor immunity. <i>Science Advances</i> , <b>2020</b> , 6, eabc3646	14.3	38
214	Molecular Targeted NIR-II Probe for Image-Guided Brain Tumor Surgery. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 3833-3840	6.3	38
213	Enhanced immunotherapy of SM5-1 in hepatocellular carcinoma by conjugating with gold nanoparticles and its in vivo bioluminescence tomographic evaluation. <i>Biomaterials</i> , <b>2016</b> , 87, 46-56	15.6	37
212	NIR-II Fluorescence Endoscopy for Targeted Imaging of Colorectal Cancer. <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1900974	10.1	37
211	PET imaging of translocator protein (18 kDa) in a mouse model of Alzheimer's disease using N-(2,5-dimethoxybenzyl)-2-18F-fluoro-N-(2-phenoxyphenyl)acetamide. <i>Journal of Nuclear Medicine</i> , <b>2015</b> , 56, 311-6	8.9	36
210	Design, synthesis and biological evaluation of mitochondria targeting theranostic agents. <i>Chemical Communications</i> , <b>2014</b> , 50, 8919-22	5.8	36
209	Development of 18F-labeled picolinamide probes for PET imaging of malignant melanoma. <i>Journal of Medicinal Chemistry</i> , <b>2013</b> , 56, 895-901	8.3	36
208	PET of malignant melanoma using 18F-labeled metallopeptides. <i>Journal of Nuclear Medicine</i> , <b>2009</b> , 50, 1865-72	8.9	36



207	Smart Self-Assembled Organic Nanoprobe for Protein-Specific Detection: Design, Synthesis, Application, and Mechanism Studies. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 10085-10093	7.8	35
206	FRET-enabled monitoring of the thermosensitive nanoscale assembly of polymeric micelles into macroscale hydrogel and sequential cognate micelles release. <i>Biomaterials</i> , <b>2017</b> , 145, 81-91	15.6	35
205	Cy5.5-labeled Affibody molecule for near-infrared fluorescent optical imaging of epidermal growth factor receptor positive tumors. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 036007	3.5	34
204	Non-invasive imaging of cysteine cathepsin activity in solid tumors using a <sup>64</sup> Cu-labeled activity-based probe. <i>PLoS ONE</i> , <b>2011</b> , 6, e28029	3.7	33
203	Evaluation of four affibody-based near-infrared fluorescent probes for optical imaging of epidermal growth factor receptor positive tumors. <i>Bioconjugate Chemistry</i> , <b>2012</b> , 23, 1149-56	6.3	32
202	Functional mutation of multiple solvent-exposed loops in the Ecballium elaterium trypsin inhibitor-II cystine knot miniprotein. <i>PLoS ONE</i> , <b>2011</b> , 6, e16112	3.7	32
201	Photoactivable bioluminescent probes for imaging luciferase activity. <i>Chemical Communications</i> , <b>2009</b> , 4028-30	5.8	32
200	Hybrid anisotropic nanostructures for dual-modal cancer imaging and image-guided chemo-thermo therapies. <i>Biomaterials</i> , <b>2016</b> , 103, 265-277	15.6	32
199	Dual-Modality Activity-Based Probes as Molecular Imaging Agents for Vascular Inflammation. <i>Journal of Nuclear Medicine</i> , <b>2016</b> , 57, 1583-1590	8.9	32
198	Clickable, hydrophilic ligand for fac-[M(II)(CO) <sub>3</sub> ](+) (M = Re/(99m)Tc) applied in an S-functionalized BMSH peptide. <i>Bioconjugate Chemistry</i> , <b>2014</b> , 25, 579-92	6.3	31
197	Optical imaging of articular cartilage degeneration using near-infrared dipicolylamine probes. <i>Biomaterials</i> , <b>2014</b> , 35, 7511-21	15.6	31
196	Cerenkov luminescence endoscopy: improved molecular sensitivity with $\beta$ -emitting radiotracers. <i>Journal of Nuclear Medicine</i> , <b>2014</b> , 55, 1905-9	8.9	31
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