

Zhen Cheng

List of Publications by Year in Descending Order

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

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	NIR-II imaging of hepatocellular carcinoma based on a humanized anti-GPC3 antibody.. <i>RSC Medicinal Chemistry</i> , 2022 , 13, 90-97	3.5	1
331	Topological supramolecular network enabled high-conductivity, stretchable organic bioelectronics.. <i>Science</i> , 2022 , 375, 1411-1417	33.3	29
330	1064nm activatable semiconducting polymer-based nanoplatfom for NIR-II fluorescence/NIR-II photoacoustic imaging guided photothermal therapy of orthotopic osteosarcoma. <i>Chemical Engineering Journal</i> , 2022 , 445, 136836	14.7	3
329	Liver injury long-term monitoring and fluorescent image-guided tumor surgery using self-assembly amphiphilic donor-acceptor NIR-II dyes. <i>Biosensors and Bioelectronics</i> , 2022 , 114371	11.8	3
328	Near-infrared window II fluorescence image-guided surgery of high-grade gliomas prolongs the progression-free survival of patients. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , PP,	5	3
327	Smart Self-Assembly Amphiphilic Cyclopeptide-Dye for Near-Infrared Window-II Imaging. <i>Advanced Materials</i> , 2021 , 33, e2006902	24	24
326	A Highly Specific Multiple Enhancement Theranostic Nanoprobe for PET/MRI/PAI Image-Guided Radioisotope Combined Photothermal Therapy in Prostate Cancer. <i>Small</i> , 2021 , 17, e2100378	11	8
325	Amphiphilic Cyclopeptide-Dyes: Smart Self-Assembly Amphiphilic Cyclopeptide-Dye for Near-Infrared Window-II Imaging (Adv. Mater. 16/2021). <i>Advanced Materials</i> , 2021 , 33, 2170121	24	
324	Development and validation of a clinically applicable deep learning strategy (HONORS) for pulmonary nodule classification at CT: A retrospective multicentre study. <i>Lung Cancer</i> , 2021 , 155, 78-86	5.9	2
323	A convenient and efficient solid phase extraction-based pathway for purification of melanin-targeted probe 18F-P3BZA. <i>Microchemical Journal</i> , 2021 , 164, 106008	4.8	0
322	Medical Physics and Imaging: A Timely Perspective. <i>Frontiers in Physics</i> , 2021 , 9,	3.9	2
321	In vivo multifunctional fluorescence imaging using liposome-coated lanthanide nanoparticles in near-infrared-II/IIa/IIb windows. <i>Nano Today</i> , 2021 , 38, 101120	17.9	14
320	Differential Responses of Transplanted Stem Cells to Diseased Environment Unveiled by a Molecular NIR-II Cell Tracker. <i>Research</i> , 2021 , 2021, 9798580	7.8	3
319	Novel anilino quinazoline-based EGFR tyrosine kinase inhibitors for treatment of non-small cell lung cancer. <i>Biomaterials Science</i> , 2021 , 9, 443-455	7.4	2
318	Copper(II)-disulfiram loaded melanin-dots for cancer theranostics. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021 , 32, 102340	6	5
317	PET Imaging of Melanoma Using Melanin-Targeted Probe. <i>Methods in Molecular Biology</i> , 2021 , 2265, 407-416	1.4	1
316	Synergistic strategy of rare-earth doped nanoparticles for NIR-II biomedical imaging. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 9116-9122	7.3	3

315 Near-Infrared II Optical Imaging **2021**, 397-420

314 Biodegradable Silica-Based Nanotheranostics for Precise MRI/NIR-II Fluorescence Imaging and Self-Reinforcing Antitumor Therapy. *Small*, **2021**, 17, e2006508 11 21

313 Azide-Dye Unexpected Bone Targeting for Near-Infrared Window II Osteoporosis Imaging. *Journal of Medicinal Chemistry*, **2021**, 64, 11543-11553 8.3 4

312 A phosphorescent probe for in vivo imaging in the second near-infrared window. *Nature Biomedical Engineering*, **2021**, 19 9

311 Development of Mitochondria-Targeted Small-Molecule Dyes for Myocardial PET and Fluorescence Bimodal Imaging.. *Journal of Medicinal Chemistry*, **2021**, 8.3 1

310 Visualization of Diagnostic and Therapeutic Targets in Glioma With Molecular Imaging. *Frontiers in Immunology*, **2020**, 11, 592389 8.4 7

309 F-FDG PET/CT imaging of small intestinal metastasis from pulmonary sarcomatoid carcinoma: Brief report and review of the literature. *Thoracic Cancer*, **2020**, 11, 2325-2330 3.2 1

308 Reactive oxygen species and enzyme dual-responsive biocompatible drug delivery system for targeted tumor therapy. *Journal of Controlled Release*, **2020**, 324, 330-340 11.7 10

307 Cu-labeled melanin nanoparticles for PET/CT and radionuclide therapy of tumor. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2020**, 29, 102248 6 7

306 A thiopyrylium salt for PET/NIR-II tumor imaging and image-guided surgery. *Molecular Oncology*, **2020**, 14, 1089-1100 7.9 12

305 The Optimal Outcome of Suppressing Ewing Sarcoma Growth With Biocompatible Bioengineered miR-34a-5p Prodrug. *Frontiers in Oncology*, **2020**, 10, 222 5.3 3

304 Evaluation of a smart activatable MRI nanoprobe to target matrix metalloproteinases in the early-stages of abdominal aortic aneurysms. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2020**, 26, 102177 6 7

303 NIRF Nanoprobes for Cancer Molecular Imaging: Approaching Clinic. *Trends in Molecular Medicine*, **2020**, 26, 469-482 11.5 39

302 Photoacoustic Imaging: An IR820 Dye-Protein Complex for Second Near-Infrared Window and Photoacoustic Imaging (Advanced Optical Materials 4/2020). *Advanced Optical Materials*, **2020**, 8, 2070017 8.1

301 Positron Emission Tomography (PET) Imaging in Live Animals **2020**, 127-149 2

300 Deep-Tissue Photothermal Therapy Using Laser Illumination at NIR-IIa Window. *Nano-Micro Letters*, **2020**, 12, 38 19.5 23

299 Non-Invasive Photoacoustic Imaging of In Vivo Mice with Erythrocyte Derived Optical Nanoparticles to Detect CAD/MI. *Scientific Reports*, **2020**, 10, 5983 4.9 4

298 "Sample-to-Answer" Detection of Rare ctDNA Mutation from 2 mL Plasma with a Fully Integrated DNA Extraction and Digital Droplet PCR Microdevice for Liquid Biopsy. *Analytical Chemistry*, **2020**, 92, 7240-7248 7.8 12

297	Radiolabeled Peptide Probes for Liver Cancer Imaging. <i>Current Medicinal Chemistry</i> , 2020 , 27, 6968-6986	4.3	2
296	Monitoring the Real-Time Circulatory System-Related Physiological and Pathological Processes In Vivo Using a Multifunctional NIR-II Probe. <i>Advanced Functional Materials</i> , 2020 , 30, 1906343	15.6	41
295	Tuning the near infrared II emitting wavelength of small molecule dyes by single atom alteration. <i>Chemical Communications</i> , 2020 , 56, 523-526	5.8	15
294	Polydopamine-coated downconversion nanoparticle as an efficient dual-modal near-infrared-II fluorescence and photoacoustic contrast agent for non-invasive visualization of gastrointestinal tract in vivo. <i>Biosensors and Bioelectronics</i> , 2020 , 151, 112000	11.8	13
293	Cancer cell membrane-coated rare earth doped nanoparticles for tumor surgery navigation in NIR-II imaging window. <i>Chemical Engineering Journal</i> , 2020 , 385, 123959	14.7	48
292	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> , 2020 , 4, 259-271	19	265
291	Synthesis and Application of a Long-Circulating Radiolabeled Peptide for Targeting of Osteosarcoma. <i>Molecular Imaging and Biology</i> , 2020 , 22, 940-947	3.8	2
290	An IR820 Dye-Protein Complex for Second Near-Infrared Window and Photoacoustic Imaging. <i>Advanced Optical Materials</i> , 2020 , 8, 1901471	8.1	16
289	live imaging of bone using shortwave infrared fluorescent quantum dots. <i>Nanoscale</i> , 2020 , 12, 22022-22029	29	5
288	Gold Nanoclusters for NIR-II Fluorescence Imaging of Bones. <i>Small</i> , 2020 , 16, e2003851	11	27
287	Bone Imaging: Gold Nanoclusters for NIR-II Fluorescence Imaging of Bones (Small 43/2020). <i>Small</i> , 2020 , 16, 2070237	11	2
286	First-in-class humanized FSH blocking antibody targets bone and fat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 28971-28979	11.5	8
285	Nanoparticle-enhanced chemo-immunotherapy to trigger robust antitumor immunity. <i>Science Advances</i> , 2020 , 6, eabc3646	14.3	38
284	Development of a Novel Histone Deacetylase-Targeted Near-Infrared Probe for Hepatocellular Carcinoma Imaging and Fluorescence Image-Guided Surgery. <i>Molecular Imaging and Biology</i> , 2020 , 22, 476-485	3.8	21
283	Mitochondria-targeted delocalized lipophilic cation complexed with human serum albumin for tumor cell imaging and treatment. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020 , 23, 102087	6	13
282	Evaluation of a novel monoclonal antibody mAb109 by immuno-PET/fluorescent imaging for noninvasive lung adenocarcinoma diagnosis. <i>Acta Pharmacologica Sinica</i> , 2020 , 41, 101-109	8	1
281	An NIR-II/MR dual modal nanoprobe for liver cancer imaging. <i>Nanoscale</i> , 2020 , 12, 11510-11517	7.7	18
280	Hierarchically Nanostructured Hybrid Platform for Tumor Delineation and Image-Guided Surgery via NIR-II Fluorescence and PET Bimodal Imaging. <i>Small</i> , 2019 , 15, e1903382	11	23

279	Controlled Nano-Bio Interface of Functional Nanoprobes for in Vivo Monitoring Enzyme Activity in Tumors. <i>ACS Nano</i> , 2019 , 13, 1153-1167	16.7	13
278	A proof-of-concept application of water-soluble ytterbium(III) molecular probes in in vivo NIR-II whole body bioimaging. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 1962-1967	6.8	21
277	A selenium-containing selective histone deacetylase 6 inhibitor for targeted in vivo breast tumor imaging and therapy. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 3528-3536	7.3	9
276	Quaternary Ammonium Salt Based NIR-II Probes for Imaging. <i>Advanced Optical Materials</i> , 2019 , 7, 1900289	2.9	50
275	Enhancing Photoacoustic Intensity of Upconversion Nanoparticles by Photoswitchable Azobenzene-Containing Polymers for Dual NIR-II and Photoacoustic Imaging In Vivo. <i>Advanced Optical Materials</i> , 2019 , 7, 1900045	8.1	13
274	Identification of a novel missense mutation c.29G>T in the ABO*A1.02 allele from a Chinese individual with an A subtype. <i>Transfusion</i> , 2019 , 59, 2162-2163	2.9	
273	High Affinity to Skeleton Rare Earth Doped Nanoparticles for Near-Infrared II Imaging. <i>Nano Letters</i> , 2019 , 19, 2985-2992	11.5	84
272	Multimodality Hyperpolarized C-13 MRS/PET/Multiparametric MR Imaging for Detection and Image-Guided Biopsy of Prostate Cancer: First Experience in a Canine Prostate Cancer Model. <i>Molecular Imaging and Biology</i> , 2019 , 21, 861-870	3.8	3
271	Detecting Vulnerable Atherosclerotic Plaques by Ga-Labeled Divalent Cystine Knot Peptide. <i>Molecular Pharmaceutics</i> , 2019 , 16, 1350-1357	5.6	4
270	Biodistribution, Radiation Dosimetry, and Clinical Application of a Melanin-Targeted PET Probe, F-P3BZA, in Patients. <i>Journal of Nuclear Medicine</i> , 2019 , 60, 16-22	8.9	17
269	Mitochondria-targeting fluorescent molecules for high efficiency cancer growth inhibition and imaging. <i>Chemical Science</i> , 2019 , 10, 7946-7951	9.4	26
268	Multimodality imaging of naturally active melanin nanoparticles targeting somatostatin receptor subtype 2 in human small-cell lung cancer. <i>Nanoscale</i> , 2019 , 11, 14400-14409	7.7	15
267	Evaluation of integrin $\alpha 5 \beta 1$ cystine knot PET tracers to detect cancer and idiopathic pulmonary fibrosis. <i>Nature Communications</i> , 2019 , 10, 4673	17.4	39
266	NIR-II Fluorescence Endoscopy for Targeted Imaging of Colorectal Cancer. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1900974	10.1	37
265	Excretable Lanthanide Nanoparticle for Biomedical Imaging and Surgical Navigation in the Second Near-Infrared Window. <i>Advanced Science</i> , 2019 , 6, 1902042	13.6	60
264	Dysregulated integrin $\alpha 5 \beta 1$ and CD47 signaling promotes joint inflammation, cartilage breakdown, and progression of osteoarthritis. <i>JCI Insight</i> , 2019 , 4,	9.9	17
263	Radionuclide-Labeled Peptides for Imaging and Treatment of CXCR4- Overexpressing Malignant Tumors. <i>Current Topics in Medicinal Chemistry</i> , 2019 , 19, 17-32	3	6
262	Preparation and Preliminary Molecular Imaging Study of ^{124}I in-situ Labeled Organic Melanin Nanoparticles. <i>Acta Chimica Sinica</i> , 2019 , 77, 172	3.3	3

261	Advancements of Second Near-Infrared Biological Window Fluorophores: Mechanism, Synthesis, and Application In Vivo. <i>Topics in Medicinal Chemistry</i> , 2019 , 81-123	0.4	1
260	Structure-activity relationships of 2-quinolinecarboxaldehyde thiosemicarbazone gallium(III) complexes with potent and selective anticancer activity. <i>Journal of Inorganic Biochemistry</i> , 2019 , 191, 174-182	4.2	18
259	PET Imaging of HER2-Positive Tumors with Cu-64-Labeled Affibody Molecules. <i>Molecular Imaging and Biology</i> , 2019 , 21, 907-916	3.8	11
258	Synthesis, anticancer activity and mechanism of iron chelator derived from 2,6-diacetylpyridine bis(acylhydrazones). <i>Journal of Inorganic Biochemistry</i> , 2019 , 193, 1-8	4.2	4
257	Polymethine Thiopyrylium Fluorophores with Absorption beyond 1000 nm for Biological Imaging in the Second Near-Infrared Subwindow. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 2049-2059	8.3	107
256	Highly selective fluorescent visual detection of perfluorooctane sulfonate via blue fluorescent carbon dots and berberine chloride hydrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 207, 262-269	4.4	21
255	Epitope-specific monoclonal antibodies to FSH increase bone mass. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 2192-2197	11.5	43
254	A PET imaging approach for determining EGFR mutation status for improved lung cancer patient management. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	39
253	Dual T and T weighted magnetic resonance imaging based on Gd loaded bioinspired melanin dots. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 1743-1752	6	8
252	Synergistically Enhancing the Therapeutic Effect of Radiation Therapy with Radiation Activatable and Reactive Oxygen Species-Releasing Nanostructures. <i>ACS Nano</i> , 2018 , 12, 4946-4958	16.7	69
251	Diketopyrrolopyrrole-based semiconducting polymer nanoparticles for second near-infrared window imaging and image-guided tumor surgery. <i>Chemical Science</i> , 2018 , 9, 3105-3110	9.4	133
250	Gadolinium-chelate functionalized bismuth nanotheranostic agent for in vivo MRI/CT/PAI imaging-guided photothermal cancer therapy. <i>Biomaterials</i> , 2018 , 159, 37-47	15.6	75
249	Novel dual-function near-infrared II fluorescence and PET probe for tumor delineation and image-guided surgery. <i>Chemical Science</i> , 2018 , 9, 2092-2097	9.4	122
248	Crucial breakthrough of second near-infrared biological window fluorophores: design and synthesis toward multimodal imaging and theranostics. <i>Chemical Society Reviews</i> , 2018 , 47, 4258-4278	58.5	451
247	Novel Cu Labeled RGD-BBN Heterotrimers for PET Imaging of Prostate Cancer. <i>Bioconjugate Chemistry</i> , 2018 , 29, 1595-1604	6.3	19
246	Study of Vesicular Monoamine Transporter 2 in Myopic Retina Using [F]FP-(+)-DTBZ. <i>Molecular Imaging and Biology</i> , 2018 , 20, 771-779	3.8	8
245	Macrophages as a potential tumor-microenvironment target for noninvasive imaging of early response to anticancer therapy. <i>Biomaterials</i> , 2018 , 152, 63-76	15.6	27
244	Multimodality Molecular Imaging of Cardiovascular Disease Based on Nanoprobes. <i>Cellular Physiology and Biochemistry</i> , 2018 , 48, 1401-1415	3.9	13

243	Synthesis of the Cu-Doped Dual-Emission Fluorescent Carbon Dots and Its Analytical Application. <i>Langmuir</i> , 2018 , 34, 9982-9989	4	30
242	Affibody-functionalized AgS quantum dots for photoacoustic imaging of epidermal growth factor receptor overexpressed tumors. <i>Nanoscale</i> , 2018 , 10, 16581-16590	7.7	25
241	Pilot Study of CuCl ₂ for PET Imaging of Inflammation. <i>Molecules</i> , 2018 , 23,	4.8	6
240	Development of a Novel Ferrocenyl Histone Deacetylase Inhibitor for Triple-Negative Breast Cancer Therapy. <i>Organometallics</i> , 2018 , 37, 2368-2375	3.8	10
239	Tumor-Targeting Peptides: Ligands for Molecular Imaging and Therapy. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2018 , 18, 74-86	2.2	49
238	An erythrosin B-based "turn on" fluorescent sensor for detecting perfluorooctane sulfonate and perfluorooctanoic acid in environmental water samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 201, 281-287	4.4	14
237	Gallium(III)- β -benzoylpyridine-thiosemicarbazone complexes promote apoptosis through Ca ²⁺ signaling and ROS-mediated mitochondrial pathways. <i>New Journal of Chemistry</i> , 2018 , 42, 10226-10233	3.6	14
236	A sensitive three-signal assay for the determination of PFOS based on the interaction with Nile blue A. <i>Analytical Methods</i> , 2018 , 10, 3052-3058	3.2	6
235	Acid-Promoted D-A-D Type Far-Red Fluorescent Probe with High Photostability for Lysosomal Nitric Oxide Imaging. <i>Analytical Chemistry</i> , 2018 , 90, 7953-7962	7.8	28
234	Preparation of mesoporous silica nanoparticles molecularly imprinted polymer for efficient separation and enrichment of perfluorooctane sulfonate. <i>Journal of Separation Science</i> , 2018 , 41, 4363-4369	3.4	10
233	Molecular Targeted NIR-II Probe for Image-Guided Brain Tumor Surgery. <i>Bioconjugate Chemistry</i> , 2018 , 29, 3833-3840	6.3	38
232	A Novel Estrogen Receptor β -Targeted Near-Infrared Fluorescent Probe for in Vivo Detection of Breast Tumor. <i>Molecular Pharmaceutics</i> , 2018 , 15, 4702-4709	5.6	14
231	Gallium(III) complexes of β -N-heterocyclic piperidylthiosemicarbazones: Synthesis, structure-activity relationship, cellular uptake and activation of caspases-3/7/9. <i>Journal of Inorganic Biochemistry</i> , 2018 , 186, 42-50	4.2	8
230	Synthesis, antiproliferative activity and mechanism of gallium(III)-thiosemicarbazone complexes as potential anti-breast cancer agents. <i>European Journal of Medicinal Chemistry</i> , 2018 , 154, 91-100	6.8	27
229	Ligand-promoted ruthenium-catalyzed meta C-H chlorination of arenes using N-chloro-2,10-camphorsultam. <i>Chemical Communications</i> , 2018 , 54, 6008-6011	5.8	15
228	Microfluidic fluorescence-activated cell sorting (FACS) chip with integrated piezoelectric actuators for low-cost mammalian cell enrichment. <i>Microfluidics and Nanofluidics</i> , 2017 , 21, 1	2.8	22
227	Novel bright-emission small-molecule NIR-II fluorophores for tumor imaging and image-guided surgery. <i>Chemical Science</i> , 2017 , 8, 3489-3493	9.4	184
226	Fine tuning the assembly and gel behaviors of PEGylated polypeptide conjugates by the copolymerization of l-alanine and β -benzyl-l-glutamate N-carboxyanhydrides. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 1512-1523	2.5	8

225	Live imaging of follicle stimulating hormone receptors in gonads and bones using near infrared II fluorophore. <i>Chemical Science</i> , 2017 , 8, 3703-3711	9.4	84
224	Multifunctional biomedical imaging in physiological and pathological conditions using a NIR-II probe. <i>Advanced Functional Materials</i> , 2017 , 27, 1700995	15.6	129
223	Analysis of progress and challenges for various patterns of c-MET-targeted molecular imaging: a systematic review. <i>EJNMMI Research</i> , 2017 , 7, 41	3.6	9
222	A high quantum yield molecule-protein complex fluorophore for near-infrared II imaging. <i>Nature Communications</i> , 2017 , 8, 15269	17.4	320
221	Chelator-Free and Biocompatible Melanin Nanoplatfrom with Facile-Loading Gadolinium and Copper-64 for Bioimaging. <i>Bioconjugate Chemistry</i> , 2017 , 28, 1925-1930	6.3	23
220	Preparation of magnetic molecularly imprinted polymers for the rapid and selective separation and enrichment of perfluorooctane sulfonate. <i>Journal of Separation Science</i> , 2017 , 40, 2819-2826	3.4	14
219	PSSMHCpan: a novel PSSM-based software for predicting class I peptide-HLA binding affinity. <i>GigaScience</i> , 2017 , 6, 1-11	7.6	38
218	Novel 2-pyridinecarboxaldehyde thiosemicarbazones Ga(III) complexes with a high antiproliferative activity by promoting apoptosis and inhibiting cell cycle. <i>European Journal of Medicinal Chemistry</i> , 2017 , 134, 34-42	6.8	19
217	Targeted Chemo-Photodynamic Combination Platform Based on the DOX Prodrug Nanoparticles for Enhanced Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 13016-13028	9.5	101
216	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , 2017 , 11, 2313-2381	16.7	714
215	Improved positron emission tomography imaging of glioblastoma cancer using novel Ga-labeled peptides targeting the urokinase-type plasminogen activator receptor (uPAR). <i>Amino Acids</i> , 2017 , 49, 1089-1100	3.5	6
214	High-Speed Compressive Microscopy of Flowing Cells Using Sinusoidal Illumination Patterns. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-11	1.8	8
213	Smart Self-Assembled Organic Nanoprobe for Protein-Specific Detection: Design, Synthesis, Application, and Mechanism Studies. <i>Analytical Chemistry</i> , 2017 , 89, 10085-10093	7.8	35
212	Synthesis, crystal structure and antiproliferative mechanisms of 2-acetylpyridine-thiosemicarbazones Ga(III) with a greater selectivity against tumor cells. <i>Journal of Inorganic Biochemistry</i> , 2017 , 177, 110-117	4.2	14
211	In vivo biodistribution and toxicity of intravesical administration of quantum dots for optical molecular imaging of bladder cancer. <i>Scientific Reports</i> , 2017 , 7, 9309	4.9	13
210	FRET-enabled monitoring of the thermosensitive nanoscale assembly of polymeric micelles into macroscale hydrogel and sequential cognate micelles release. <i>Biomaterials</i> , 2017 , 145, 81-91	15.6	35
209	Pilot Study of Cu(I) for PET Imaging of Melanoma. <i>Scientific Reports</i> , 2017 , 7, 2574	4.9	15
208	Zwitterionic Manganese and Gadolinium Metal-Organic Frameworks as Efficient Contrast Agents for in Vivo Magnetic Resonance Imaging. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 41378-41386	9.5	39

207	Effective tracking of bone mesenchymal stem cells in vivo by magnetic resonance imaging using melanin-based gadolinium nanoparticles. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 131-137	5.4	17
206	Synthesis, Characterization, and Biomedical Applications of a Targeted Dual-Modal Near-Infrared-II Fluorescence and Photoacoustic Imaging Nanoprobe. <i>ACS Nano</i> , 2017 , 11, 12276-12291	16.7	108
205	Highly sensitive and selective detection of perfluorooctane sulfonate based on the Janus Green B resonance light scattering method. <i>Analytical Methods</i> , 2016 , 8, 8042-8048	3.2	16
204	Robust surface coating for a fast, facile fluorine-18 labeling of iron oxide nanoparticles for PET/MR dual-modality imaging. <i>Nanoscale</i> , 2016 , 8, 19644-19653	7.7	15
203	Imaging of Hepatic Ectopic Pregnancy by 18F-FDG PET/CT. <i>Clinical Nuclear Medicine</i> , 2016 , 41, 697-8	1.7	5
202	Novel benzo-bis(1,2,5-thiadiazole) fluorophores for NIR-II imaging of cancer. <i>Chemical Science</i> , 2016 , 7, 6203-6207	9.4	221
201	Gold nanoparticles for cancer theranostics [A brief update]. <i>Journal of Innovative Optical Health Sciences</i> , 2016 , 09, 1630004	1.2	13
200	Enhanced immunotherapy of SM5-1 in hepatocellular carcinoma by conjugating with gold nanoparticles and its in vivo bioluminescence tomographic evaluation. <i>Biomaterials</i> , 2016 , 87, 46-56	15.6	37
199	Isothiocyanate-Functionalized Bifunctional Chelates and Fac-[M(II)(CO)3](+) (M = Re, (99m)Tc) Complexes for Targeting uPAR in Prostate Cancer. <i>Bioconjugate Chemistry</i> , 2016 , 27, 130-42	6.3	6
198	A small-molecule dye for NIR-II imaging. <i>Nature Materials</i> , 2016 , 15, 235-42	27	939
197	Small Peptide and Protein-based Molecular Probes for Imaging Neurological Diseases. <i>Current Protein and Peptide Science</i> , 2016 , 17, 543-58	2.8	3
196	Preclinical Study on GRPR-Targeted (68)Ga-Probes for PET Imaging of Prostate Cancer. <i>Bioconjugate Chemistry</i> , 2016 , 27, 1857-64	6.3	24
195	18F-FDG PET/CT of Primary Mediastinal Hepatoid Adenocarcinoma. <i>Clinical Nuclear Medicine</i> , 2016 , 41, 321-2	1.7	3
194	Draft Genome Sequence of <i>Zymomonas mobilis</i> ZM481 (ATCC 31823). <i>Genome Announcements</i> , 2016 , 4,		4
193	Hybrid anisotropic nanostructures for dual-modal cancer imaging and image-guided chemo-thermo therapies. <i>Biomaterials</i> , 2016 , 103, 265-277	15.6	32
192	Upconversion nanocomposites for photo-based cancer theranostics. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 5331-5348	7.3	24
191	Small-Protein-Stabilized Semiconductor Nanoprobe for Targeted Imaging of Cancer Cells. <i>ChemBioChem</i> , 2016 , 17, 1202-6	3.8	6
190	Non-invasive Imaging of Idiopathic Pulmonary Fibrosis Using Cathepsin Protease Probes. <i>Scientific Reports</i> , 2016 , 6, 19755	4.9	65

189	Flexible radioluminescence imaging for FDG-guided surgery. <i>Medical Physics</i> , 2016 , 43, 5298	4.4	5
188	Tumor Molecular Imaging with Nanoparticles. <i>Engineering</i> , 2016 , 2, 132-140	9.7	23
187	Dual-Modality Activity-Based Probes as Molecular Imaging Agents for Vascular Inflammation. <i>Journal of Nuclear Medicine</i> , 2016 , 57, 1583-1590	8.9	32
186	Recyclable Cu(i)/melanin dots for cycloaddition, bioconjugation and cell labelling. <i>Chemical Science</i> , 2016 , 7, 5888-5892	9.4	26
185	Lasso peptide, a highly stable structure and designable multifunctional backbone. <i>Amino Acids</i> , 2016 , 48, 1347-56	3.5	14
184	Hexametaphosphate-capped quantum dots as fluorescent probes for detection of calcium ion and fluoride. <i>Sensors and Actuators B: Chemical</i> , 2016 , 232, 306-312	8.5	26
183	FRET Imaging of Enzymatic Activities Using Smart Probes. <i>Methods in Molecular Biology</i> , 2016 , 1444, 37-43	4.3	4
182	Enhanced Fructose Utilization Mediated by SLC2A5 Is a Unique Metabolic Feature of Acute Myeloid Leukemia with Therapeutic Potential. <i>Cancer Cell</i> , 2016 , 30, 779-791	24.3	104
181	Facile synthesis of near infrared fluorescent trypsin-stabilized Ag nanoclusters with tunable emission for 1,4-dihydronicotinamide adenine dinucleotide and ethanol sensing. <i>Analytica Chimica Acta</i> , 2015 , 886, 151-6	6.6	8
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16	microPET-based biodistribution of quantum dots in living mice. <i>Journal of Nuclear Medicine</i> , 2007 , 48, 1511-8	8.9	165
15	Fluorescent fructose derivatives for imaging breast cancer cells. <i>Bioconjugate Chemistry</i> , 2007 , 18, 628-34	6.3	80
14	Near-infrared fluorescent deoxyglucose analogue for tumor optical imaging in cell culture and living mice. <i>Bioconjugate Chemistry</i> , 2006 , 17, 662-9	6.3	154
13	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> , 2006 , 47, 130-9	8.9	43
12	Near-infrared fluorescent RGD peptides for optical imaging of integrin alphavbeta3 expression in living mice. <i>Bioconjugate Chemistry</i> , 2005 , 16, 1433-41	6.3	217
11	Synthesis of (4-[18F]fluorophenyl)triphenylphosphonium as a potential imaging agent for mitochondrial dysfunction. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2005 , 48, 131-137	1.9	28
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8	A new strategy to screen molecular imaging probe uptake in cell culture without radiolabeling using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Journal of Nuclear Medicine</i> , 2005 , 46, 878-86	8.9	19
7	microPET imaging of glioma integrin $\alpha_v\beta_3$ expression using (64)Cu-labeled tetrameric RGD peptide. <i>Journal of Nuclear Medicine</i> , 2005 , 46, 1707-18	8.9	249
6	Radioiodination of rhenium cyclized alpha-melanocyte-stimulating hormone resulting in enhanced radioactivity localization and retention in melanoma. <i>Cancer Research</i> , 2004 , 64, 1411-8	10.1	47
5	Alpha-melanocyte-stimulating hormone peptide analogs labeled with technetium-99m and indium-111 for malignant melanoma targeting. <i>Cancer</i> , 2002 , 94, 1196-201	6.4	24
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