

# Zibo Li

## List of Publications by Year in descending order

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Version: 2024-02-01

94  
papers

3,813  
citations

126907

33  
h-index

138484

58  
g-index

97  
all docs

97  
docs citations

97  
times ranked

5060  
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiopharmaceutical chemistry for positron emission tomography. <i>Advanced Drug Delivery Reviews</i> , 2010, 62, 1031-1051.	13.7	174
2	Tetrazine- <i>trans</i> -cyclooctene ligation for the rapid construction of <sup>18</sup> F labeled probes. <i>Chemical Communications</i> , 2010, 46, 8043.	4.1	172
3	X-Ray Induced Photodynamic Therapy: A Combination of Radiotherapy and Photodynamic Therapy. <i>Theranostics</i> , 2016, 6, 2295-2305.	10.0	171
4	Red Blood Cell-Facilitated Photodynamic Therapy for Cancer Treatment. <i>Advanced Functional Materials</i> , 2016, 26, 1757-1768.	14.9	167
5	Protein Nanocage Mediated Fibroblast-Activation Protein Targeted Photoimmunotherapy To Enhance Cytotoxic T Cell Infiltration and Tumor Control. <i>Nano Letters</i> , 2017, 17, 862-869.	9.1	167
6	A high capacity polymeric micelle of paclitaxel: Implication of high dose drug therapy to safety and <i>in vivo</i> anti-cancer activity. <i>Biomaterials</i> , 2016, 101, 296-309.	11.4	151
7	Nanoparticle-Laden Macrophages for Tumor-Tropic Drug Delivery. <i>Advanced Materials</i> , 2018, 30, e1805557.	21.0	143
8	LiGa <sub>5</sub> O <sub>8</sub> :Cr-based theranostic nanoparticles for imaging-guided X-ray induced photodynamic therapy of deep-seated tumors. <i>Materials Horizons</i> , 2017, 4, 1092-1101.	12.2	128
9	Direct arene C-H fluorination with <sup>18</sup> F <sup>+</sup> via organic photoredox catalysis. <i>Science</i> , 2019, 364, 1170-1174.	12.6	120
10	Development and Evaluation of <sup>18</sup> F-TTCO-Cys <sup>40</sup> -Exendin-4: A PET Probe for Imaging Transplanted Islets. <i>Journal of Nuclear Medicine</i> , 2013, 54, 244-251.	5.0	98
11	Rapid aqueous [ <sup>18</sup> F]-labeling of a bodipy dye for positron emission tomography/fluorescence dual modality imaging. <i>Chemical Communications</i> , 2011, 47, 9324.	4.1	97
12	Tetrazine- <i>trans</i> -cyclooctene ligation for the rapid construction of integrin $\alpha_3\beta_1$ targeted PET tracer based on a cyclic RGD peptide. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 5011-5014.	2.2	93
13	A potent immunotoxin targeting fibroblast activation protein for treatment of breast cancer in mice. <i>International Journal of Cancer</i> , 2016, 138, 1013-1023.	5.1	91
14	Lewis Acid-Assisted Isotopic <sup>18</sup> F- <sup>19</sup> F Exchange in BODIPY Dyes: Facile Generation of Positron Emission Tomography/Fluorescence Dual Modality Agents for Tumor Imaging. <i>Theranostics</i> , 2013, 3, 181-189.	10.0	83
15	In Vivo Imaging of Transplanted Islets with <sup>64</sup> Cu-DO3A-VS-Cys <sup>40</sup> -Exendin-4 by Targeting GLP-1 Receptor. <i>Bioconjugate Chemistry</i> , 2011, 22, 1587-1594.	3.6	80
16	NaCl Nanoparticles as a Cancer Therapeutic. <i>Advanced Materials</i> , 2019, 31, e1904058.	21.0	74
17	$\beta$ -Arrestin-Biased Allosteric Modulator of NTSR1 Selectively Attenuates Addictive Behaviors. <i>Cell</i> , 2020, 181, 1364-1379.e14.	28.9	74
18	Conformationally Strained <i>trans</i> -Cyclooctene (sTCO) Enables the Rapid Construction of <sup>18</sup> F-PET Probes via Tetrazine Ligation. <i>Theranostics</i> , 2016, 6, 887-895.	10.0	56

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19	Perfluorocarbon-based O <sub>2</sub> nanocarrier for efficient photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2019, 7, 1116-1123.	5.8	53
20	19F- and 18F-arene deoxyfluorination via organic photoredox-catalysed polarity-reversed nucleophilic aromatic substitution. <i>Nature Catalysis</i> , 2020, 3, 734-742.	34.4	53
21	Infection Imaging With 18F-FDS and First-in-Human Evaluation. <i>Nuclear Medicine and Biology</i> , 2016, 43, 206-214.	0.6	51
22	Harvesting 18F-fluoride ions in water via direct 18F <sup>19</sup> F isotopic exchange: radiofluorination of zwitterionic aryltrifluoroborates and in vivo stability studies. <i>MedChemComm</i> , 2012, 3, 1305.	3.4	50
23	Silver-promoted (radio)fluorination of unsaturated carbamates via a radical process. <i>Chemical Communications</i> , 2017, 53, 3497-3500.	4.1	49
24	Efficient synthesis of fluorescent-PET probes based on [18F]BODIPY dye. <i>Chemical Communications</i> , 2014, 50, 7371.	4.1	48
25	Clinical Application of 18F- <sup>125</sup> I-NOTA-Octreotide PET/CT in Combination With 18F-FDG PET/CT for Imaging Neuroendocrine Neoplasms. <i>Clinical Nuclear Medicine</i> , 2019, 44, 452-458.	1.3	47
26	Enabling <i>In Vivo</i> Photocatalytic Activation of Rapid Bioorthogonal Chemistry by Repurposing Silicon-Rhodamine Fluorophores as Cytocompatible Far-Red Photocatalysts. <i>Journal of the American Chemical Society</i> , 2021, 143, 10793-10803.	13.7	47
27	Integrin $\alpha_2\beta_1$ targeted GdVO <sub>4</sub> :Eu ultrathin nanosheet for multimodal PET/MR imaging. <i>Biomaterials</i> , 2014, 35, 8649-8658.	11.4	45
28	Efficient <sup>18</sup> F Labeling of Cysteine-Containing Peptides and Proteins Using Tetrazine <sup>64</sup> <i>Trans</i> -Cyclooctene Ligation. <i>Molecular Imaging</i> , 2013, 12, 7290.2012.00013.	1.4	43
29	Human beige adipocytes for drug discovery and cell therapy in metabolic diseases. <i>Nature Communications</i> , 2020, 11, 2758.	12.8	40
30	FAP <sup>64</sup> -targeted Photodynamic Therapy Mediated by Ferritin Nanoparticles Elicits an Immune Response against Cancer Cells and Cancer Associated Fibroblasts. <i>Advanced Functional Materials</i> , 2021, 31, 2007017.	14.9	37
31	<sup>64</sup> Cu Labeled Sarcophagine Exendin-4 for MicroPET Imaging of Glucagon like Peptide-1 Receptor Expression. <i>Theranostics</i> , 2014, 4, 770-777.	10.0	36
32	Improved Metabolic Stability for <sup>18</sup> F PET Probes Rapidly Constructed via Tetrazine <i>trans</i> -Cyclooctene Ligation. <i>Bioconjugate Chemistry</i> , 2015, 26, 435-442.	3.6	36
33	[ <sup>18</sup> F] <sup>64</sup> NHC <sup>BF</sup> <sub>3</sub> adducts as water stable radio-prosthetic groups for PET imaging. <i>Chemical Communications</i> , 2015, 51, 12439-12442.	4.1	34
34	Synthesis of 5-[ <sup>18</sup> F]Fluoro- $\alpha$ -methyl Tryptophan: New Trp Based PET Agents. <i>Theranostics</i> , 2017, 7, 1524-1530.	10.0	34
35	<i>In Vivo</i> Near-Infrared Fluorescence Imaging of Integrin $\alpha_2\beta_1$ in Prostate Cancer with Cell-Penetrating-Peptide <sup>64</sup> Conjugated DGEA Probe. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1979-1986.	5.0	33
36	Biodistribution and Radiation Dosimetry of the Enterobacteriaceae-Specific Imaging Probe [18F]Fluorodeoxysorbitol Determined by PET/CT in Healthy Human Volunteers. <i>Molecular Imaging and Biology</i> , 2016, 18, 782-787.	2.6	31

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37	Trackable and Targeted Phage as Positron Emission Tomography (PET) Agent for Cancer Imaging. <i>Theranostics</i> , 2011, 1, 371-380.	10.0	30
38	Synthesis and Evaluation of [ <sup>18</sup> F]â€Ammonium BODIPY Dyes as Potential Positron Emission Tomography Agents for Myocardial Perfusion Imaging. <i>Chemistry - A European Journal</i> , 2016, 22, 12122-12129.	3.3	30
39	Facile Preparation of a Thiol-Reactive <sup>18</sup> F-Labeling Agent and Synthesis of <sup>18</sup> F-DEG-VS-NT for PET Imaging of a Neurotensin Receptorâ€Positive Tumor. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1178-1184.	5.0	29
40	Evaluation of neurotensin receptor 1 as a potential imaging target in pancreatic ductal adenocarcinoma. <i>Amino Acids</i> , 2017, 49, 1325-1335.	2.7	28
41	Evaluation of 18F-labeled BODIPY dye as potential PET agents for myocardial perfusion imaging. <i>Nuclear Medicine and Biology</i> , 2014, 41, 120-126.	0.6	26
42	Synthesis and Evaluation of <sup>64</sup> Cu-DOTA-NT-Cy5.5 as a Dual-Modality PET/Fluorescence Probe to Image Neurotensin Receptor-Positive Tumor. <i>Molecular Pharmaceutics</i> , 2015, 12, 3054-3061.	4.6	25
43	Development of [18F]AlF-NOTA-NT as PET Agents of Neurotensin Receptor-1 Positive Pancreatic Cancer. <i>Molecular Pharmaceutics</i> , 2018, 15, 3093-3100.	4.6	25
44	Arene radiofluorination enabled by photoredox-mediated halide interconversion. <i>Nature Chemistry</i> , 2022, 14, 216-223.	13.6	25
45	Deletion of Topoisomerase 1 in excitatory neurons causes genomic instability and early onset neurodegeneration. <i>Nature Communications</i> , 2020, 11, 1962.	12.8	24
46	The synthesis of lanthanide-doped GdVO <sub>4</sub> ultrathin nanosheets with great optical and paramagnetic properties for FRET biodetection and in vivo MR imaging. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3998-4007.	5.8	23
47	Hydrophilic <sup>18</sup> F-labeled <i>trans</i> -5-oxocene (oxoTCO) for efficient construction of PET agents with improved tumor-to-background ratios in neurotensin receptor (NTR) imaging. <i>Chemical Communications</i> , 2019, 55, 2485-2488.	4.1	23
48	Automated synthesis of 2â€deoxy-2â€-[18F]fluoro-5-methyl-1-Î²-d-arabinofuranosyluracil ([18F]-FMAU) using a one reactor radiosynthesis module. <i>Nuclear Medicine and Biology</i> , 2011, 38, 201-206.	0.6	22
49	Novel &#x03B1; <sub>2</sub> &#x03B2; <sub>1</sub> Integrin-Targeted Peptide Probes for Prostate Cancer Imaging. <i>Molecular Imaging</i> , 2011, 10, 7290.2010.00044.	1.4	22
50	Design, synthesis and validation of integrin Î±2Î²1-targeted probe for microPET imaging of prostate cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 1313-1322.	6.4	22
51	Development of Multi-Functional Chelators Based on Sarcophagine Cages. <i>Molecules</i> , 2014, 19, 4246-4255.	3.8	18
52	Molecular Imaging of P-glycoprotein in Chemoresistant Tumors Using a Dual-Modality PET/Fluorescence Probe. <i>Molecular Pharmaceutics</i> , 2017, 14, 3391-3398.	4.6	18
53	P-glycoprotein targeted and near-infrared light-guided depletion of chemoresistant tumors. <i>Journal of Controlled Release</i> , 2018, 286, 289-300.	9.9	18
54	Direct Radiofluorination of Arene Câ€H Bonds via Photoredox Catalysis Using a Peroxide as the Terminal Oxidant. <i>Organic Letters</i> , 2020, 22, 7971-7975.	4.6	18

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55	Small-Animal PET Imaging of Pancreatic Cancer Xenografts Using a <sup>64</sup> Cu-Labeled Monoclonal Antibody, MAb159. <i>Journal of Nuclear Medicine</i> , 2015, 56, 908-913.	5.0	17
56	Imaging Neurotensin Receptor in Prostate Cancer With <sup>64</sup> Cu-Labeled Neurotensin Analogs. <i>Molecular Imaging</i> , 2017, 16, 153601211771136.	1.4	17
57	Radiofluorination of a NHC-PF <sub>5</sub> adduct: toward new probes for <sup>18</sup> F PET imaging. <i>Chemical Communications</i> , 2017, 53, 8657-8659.	4.1	17
58	Image-guided selection of Gd@C-dots as sensitizers to improve radiotherapy of non-small cell lung cancer. <i>Journal of Nanobiotechnology</i> , 2021, 19, 284.	9.1	16
59	Ultrathin gold nanowires to enhance radiation therapy. <i>Journal of Nanobiotechnology</i> , 2020, 18, 131.	9.1	15
60	Phototherapy and multimodal imaging of cancers based on perfluorocarbon nanomaterials. <i>Journal of Materials Chemistry B</i> , 2021, 9, 6751-6769.	5.8	15
61	Bioequivalence assessment of high-capacity polymeric micelle nanoformulation of paclitaxel and Abraxane® in rodent and non-human primate models using a stable isotope tracer assay. <i>Biomaterials</i> , 2021, 278, 121140.	11.4	15
62	Biological Stability Evaluation of the <sup>125</sup> I Receptor Imaging Agents: Diamsar and DOTA Conjugated DGEA Peptide. <i>Bioconjugate Chemistry</i> , 2011, 22, 256-263.	3.6	13
63	Spatial Disassociation of Disrupted Functional Connectivity for the Default Mode Network in Patients with End-Stage Renal Disease. <i>PLoS ONE</i> , 2016, 11, e0161392.	2.5	13
64	Escalating morphine dosing in HIV-1 Tat transgenic mice with sustained Tat exposure reveals an allostatic shift in neuroinflammatory regulation accompanied by increased neuroprotective non-endocannabinoid lipid signaling molecules and amino acids. <i>Journal of Neuroinflammation</i> , 2020, 17, 345.	7.2	13
65	Synthesis and in vivo stability studies of [ <sup>18</sup> F]-zwitterionic phosphonium aryltrifluoroborate/indomethacin conjugates. <i>RSC Advances</i> , 2016, 6, 23126-23133.	3.6	11
66	P-glycoprotein targeted photodynamic therapy of chemoresistant tumors using recombinant Fab fragment conjugates. <i>Biomaterials Science</i> , 2018, 6, 3063-3074.	5.4	11
67	Evaluation of neurotensin receptor 1 as potential biomarker for prostate cancer theranostic use. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 2199-2207.	6.4	11
68	Ultrasmall Gd@Cdots as a radiosensitizing agent for non-small cell lung cancer. <i>Nanoscale</i> , 2021, 13, 9252-9263.	5.6	11
69	RXH-Reactive <sup>18</sup> F-Vinyl Sulfones as Versatile Agents for PET Probe Construction. <i>Bioconjugate Chemistry</i> , 2020, 31, 2482-2487.	3.6	10
70	Preparation of [ <sup>18</sup> F]-NHC-BF <sub>3</sub> conjugates and their applications in PET imaging. <i>RSC Advances</i> , 2017, 7, 17748-17751.	3.6	9
71	The efficiency of <sup>18</sup> F labelling of a prostate specific membrane antigen ligand <i>via</i> strain-promoted azide-alkyne reaction: reaction speed <i>versus</i> hydrophilicity. <i>Chemical Communications</i> , 2018, 54, 7810-7813.	4.1	9
72	Tetrazine-TCO Ligation: A Potential Simple Approach to Improve Tumor Uptake through Enhanced Blood Circulation. <i>Bioconjugate Chemistry</i> , 2020, 31, 1795-1803.	3.6	9

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73	Improving Tumor Background Contrast through Hydrophilic Tetrazines: The Construction of <sup>18</sup> F-Labeled PET Agents Targeting Nonsmall Cell Lung Carcinoma. <i>Chemistry - A European Journal</i> , 2020, 26, 4690-4694.	3.3	9
74	Development of Novel <sup>18</sup> F-PET Agents for Tumor Hypoxia Imaging. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 5593-5602.	6.4	9
75	Development of Bispecific NT-PSMA Heterodimer for Prostate Cancer Imaging: A Potential Approach to Address Tumor Heterogeneity. <i>Bioconjugate Chemistry</i> , 2019, 30, 1314-1322.	3.6	8
76	A Novel PET Probe for Brown Adipose Tissue Imaging in Rodents. <i>Molecular Imaging and Biology</i> , 2020, 22, 675-684.	2.6	8
77	Comparative evaluation of <sup>68</sup> Ga-labelled TATEs: the impact of chelators on imaging. <i>EJNMMI Research</i> , 2020, 10, 36.	2.5	8
78	High MW polyethylene glycol prolongs circulation of pegloticase in mice with anti-PEG antibodies. <i>Journal of Controlled Release</i> , 2021, 338, 804-812.	9.9	8
79	Matching Chelators to Radiometals for Positron Emission Tomography Imaging- Guided Targeted Drug Delivery. <i>Current Drug Targets</i> , 2015, 16, 610-624.	2.1	8
80	PET Imaging of Dll4 Expression in Glioblastoma and Colorectal Cancer Xenografts Using <sup>64</sup> Cu-Labeled Monoclonal Antibody 61B. <i>Molecular Pharmaceutics</i> , 2015, 12, 3527-3534.	4.6	7
81	Barium tungstate nanoparticles to enhance radiation therapy against cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 28, 102230.	3.3	7
82	Potassium Iodide Nanoparticles Enhance Radiotherapy against Breast Cancer by Exploiting the Sodium-Iodide Symporter. <i>ACS Nano</i> , 2021, 15, 17401-17411.	14.6	7
83	A PBPK model recapitulates early kinetics of anti-PEG antibody-mediated clearance of PEG-liposomes. <i>Journal of Controlled Release</i> , 2022, 343, 518-527.	9.9	5
84	High intratumoral tryptophan metabolism is a poor predictor of response to pembrolizumab (pembro) in metastatic melanoma (MM): Results from a prospective trial using baseline <sup>11</sup> C-labeled alpha-methyl tryptophan ( <sup>11</sup> C-AMT) PET imaging for response prediction.. <i>Journal of Clinical Oncology</i> , 2020, 38, 3556-3556.	1.6	3
85	Development of <sup>18</sup> F-Labeled Vinyl Sulfone-PSMAi Conjugates as New PET Agents for Prostate Cancer Imaging. <i>Molecular Pharmaceutics</i> , 2022, 19, 720-727.	4.6	3
86	Radiodynamic therapy with CsI(na)@MgO nanoparticles and 5-aminolevulinic acid. <i>Journal of Nanobiotechnology</i> , 2022, 20, .	9.1	3
87	Improved Synthesis of 2-deoxy-2-[ <sup>18</sup> F]fluoro-5-Methyl-1-β-D-Arabinofuranosyluracil ([ <sup>18</sup> F]FMAU). <i>Current Radiopharmaceutics</i> , 2011, 4, 24-30.	0.8	2
88	A Novel <sup>18</sup> F-Labeling Method for the Synthesis of [ <sup>18</sup> F]-Piperidine-Containing Ligands as Potential PET Radiotracers for 5-HT <sub>2A</sub> Receptors. <i>Synlett</i> , 2018, 29, 410-414.	1.8	2
89	Synthesis and initial evaluation of radioactive 5- <sup>11</sup> C-methyl-tryptophan: a Trp based agent targeting IDO-1. <i>MedChemComm</i> , 2019, 10, 814-816.	3.4	2
90	<sup>18</sup> F-PEG1-Vinyl Sulfone-Labeled Red Blood Cells as Positron Emission Tomography Agent to Image Intra-Abdominal Bleeding. <i>Frontiers in Medicine</i> , 2021, 8, 646862.	2.6	2

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91	Synthesis and Evaluation of <sup>18</sup> F-Labeled Boramino Acids as Potential New Positron Emission Tomography Agents for Cancer Management. <i>Molecular Pharmaceutics</i> , 2022, , .	4.6	2
92	Assessment of <sup>18</sup> F-PBR-111 in the Cuprizone Mouse Model of Multiple Sclerosis. <i>Diagnostics</i> , 2021, 11, 786.	2.6	1
93	Quantum Dot Conjugates for Optical Imaging of Cancer. , 2012, , 483-517.		0
94	The Synthesis and Initial Evaluation of MerTK Targeted PET Agents. <i>Molecules</i> , 2022, 27, 1460.	3.8	0