

Lin Zhu

List of Publications by Year in descending order

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79
papers

1,701
citations

394421

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38
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all docs

79
docs citations

79
times ranked

2738
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#	ARTICLE	IF	CITATIONS
1	Head-to-head comparison of [⁶⁸ Ga]Ga-P16-093 and [⁶⁸ Ga]Ga-PSMA-617 in dynamic PET/CT evaluation of the same group of recurrent prostate cancer patients. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 1052-1062.	6.4	10
2	Kit-based preparation of [⁶⁸ Ga]Ga-P16-093 (PSMA-093) using different commercial ⁶⁸ Ge/ ⁶⁸ Ga generators. <i>Nuclear Medicine and Biology</i> , 2022, 106-107, 1-9.	0.6	4
3	Manipulating Electrocatalytic Polysulfide Redox Kinetics by 1D Core-Shell Like Composite for Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	47
4	New insights into the thermal degradation behavior of Hydroxypropyl-beta-cyclodextrin inclusion complexes containing carvacrol essential oil via thermogravimetric analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 11301-11312.	3.6	9
5	Development and validation of a kit formulation of [⁶⁸ Ga]Ga-P15-041 as a bone imaging agent. <i>Applied Radiation and Isotopes</i> , 2021, 169, 109485.	1.5	8
6	Radiolabeling Optimization and Preclinical Evaluation of the New PSMA Imaging Agent [¹⁸ F]AlF-P16-093. <i>Bioconjugate Chemistry</i> , 2021, 32, 1017-1026.	3.6	8
7	The Novel Use of PVP K30 as Templating Agent in Production of Porous Lactose. <i>Pharmaceutics</i> , 2021, 13, 814.	4.5	12
8	A New Highly Deuterated [¹⁸ F]AV-45, [¹⁸ F]D15FSP, for Imaging β 2-Amyloid Plaques in the Brain. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 1086-1092.	2.8	10
9	⁶⁸ Ga-labelled-exendin-4: New GLP1R targeting agents for imaging pancreatic β 2-cell and insulinoma. <i>Nuclear Medicine and Biology</i> , 2021, 102-103, 87-96.	0.6	5
10	Evaluating [⁶⁸ Ga]Ga-p14-032 as a Novel PET Tracer for Diagnosis Cerebral Amyloid Angiopathy. <i>Frontiers in Neurology</i> , 2021, 12, 702185.	2.4	4
11	Release Characteristics of an Essential Oil Component Encapsulated with Cyclodextrin Shell Matrices. <i>Current Drug Delivery</i> , 2021, 18, 487-499.	1.6	10
12	⁶⁸ Ga-P15-041, A Novel Bone Imaging Agent for Diagnosis of Bone Metastases. <i>Frontiers in Oncology</i> , 2021, 11, 766851.	2.8	4
13	An improved preparation of [¹⁸ F]AV-45 by simplified solid-phase extraction purification. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2020, 63, 108-118.	1.0	5
14	[⁶⁸ Ga]Ga-HBED-CC-DiAsp: A new renal function imaging agent. <i>Nuclear Medicine and Biology</i> , 2020, 82-83, 17-24.	0.6	8
15	Systematic Analysis of Gibberellin Pathway Components in <i>Medicago truncatula</i> Reveals the Potential Application of Gibberellin in Biomass Improvement. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7180.	4.1	10
16	Synthesis and Evaluation of ⁶⁸ Ga- and ¹⁷⁷ Lu-Labeled (<i>R</i>)- vs (<i>S</i>)-DOTAGA Prostate-Specific Membrane Antigen-Targeting Derivatives. <i>Molecular Pharmaceutics</i> , 2020, 17, 4589-4602.	4.6	10
17	Design, synthesis and evaluation of a novel glutamine derivative (2 <i>S</i> ,4 <i>R</i>)-2-amino-4-cyano-4-[¹⁸ F]fluorobutanoic acid. <i>New Journal of Chemistry</i> , 2020, 44, 9109-9117.	2.8	3
18	Dynamic PET/CT imaging of ¹⁸ F-(2 <i>S</i> , 4 <i>R</i>)-4-fluoroglutamine in healthy volunteers and oncological patients. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 2280-2292.	6.4	12

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19	Synthesis and evaluation of novel radioiodinated PSMA targeting ligands for potential radiotherapy of prostate cancer. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115319.	3.0	5
20	Biodistribution, dosimetry, and temporal signal-to-noise ratio analyses of normal and cancer uptake of [⁶⁸ Ga]Ga-P15-041, a gallium-68 labeled bisphosphonate, from first-in-human studies. <i>Nuclear Medicine and Biology</i> , 2020, 86-87, 1-8.	0.6	13
21	A New [⁶⁸ Ga]Ga-HBED-CC-Bisphosphonate as a Bone Imaging Agent. <i>Molecular Pharmaceutics</i> , 2020, 17, 1674-1684.	4.6	20
22	VMAT2 imaging agent, D6-[¹⁸ F]FP-(+)-DTBZ: Improved radiosynthesis, purification by solid-phase extraction and characterization. <i>Nuclear Medicine and Biology</i> , 2019, 72-73, 26-35.	0.6	8
23	Self-Destruction of Cancer Induced by Ag ₂ S Amorphous Nanodots. <i>Small</i> , 2019, 15, 1902945.	10.0	10
24	In Vivo Ester Hydrolysis as a New Approach in Development of Positron Emission Tomography Tracers for Imaging Hypoxia. <i>Molecular Pharmaceutics</i> , 2019, 16, 1156-1166.	4.6	9
25	In situ generation of biocompatible amorphous calcium carbonate onto cell membrane to block membrane transport protein "A new strategy for cancer therapy via mimicking abnormal mineralization. <i>Journal of Colloid and Interface Science</i> , 2019, 541, 339-347.	9.4	12
26	Conformational-transited protein corona regulated cell-membrane penetration and induced cytotoxicity of ultrasmall Au nanoparticles. <i>RSC Advances</i> , 2019, 9, 4435-4444.	3.6	23
27	Optimization of solid-phase extraction (SPE) in the preparation of [¹⁸ F]D3FSP: A new PET imaging agent for mapping A β plaques. <i>Nuclear Medicine and Biology</i> , 2019, 71, 54-64.	0.6	3
28	Rapid screening of nine unradiolabeled candidate compounds as PET brain imaging agents using cassette-wave microdosing and LC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1121, 28-38.	2.3	1
29	Initial experience in synthesis of (<i>S</i> , <i>R</i>)- ¹⁸ F fluoroglutamine for clinical application. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2019, 62, 209-214.	1.0	2
30	Synthesis and preliminary evaluation of a novel glutamine derivative: (2 <i>S</i> ,4 <i>S</i>)-4-[¹⁸ F]FEBGln. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1047-1050.	2.2	9
31	A Targeting Membrane Injury Strategy via Calcification for the Inhibition of Leukemia Cells. <i>ChemistrySelect</i> , 2019, 4, 3642-3645.	1.5	3
32	(2 <i>S</i> ,4 <i>R</i>)-4-[¹⁸ F]Fluoroglutamine as a PET Indicator for Bone Marrow Metabolism Dysfunctional: from Animal Experiments to Clinical Application. <i>Molecular Imaging and Biology</i> , 2019, 21, 945-953.	2.6	9
33	Synthesis of novel technetium-99m tricarbonyl-HBED-CC complexes and structural prediction in solution by density functional theory calculation. <i>Royal Society Open Science</i> , 2019, 6, 191247.	2.4	3
34	Relationship of Carbon Isotope Discrimination with Biomass and Water Use Efficiency for Alfalfa in Northwestern China. <i>Crop Science</i> , 2019, 59, 400-412.	1.8	3
35	Novel thermostable enzymes from <i>Geobacillus thermoglucosidasius</i> W-2 for high-efficient nitroalkane removal under aerobic and anaerobic conditions. <i>Bioresource Technology</i> , 2019, 278, 73-81.	9.6	16
36	Multifunctional vanadium nitride@N-doped carbon composites for kinetically enhanced lithium-sulfur batteries. <i>New Journal of Chemistry</i> , 2018, 42, 5109-5116.	2.8	34

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37	Deuterium- ² -substituted 2-((dimethylamino)methyl)-4-[[¹⁸ F](fluoropropoxy)phenylthio]benzenamine as a serotonin transporter imaging agent. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2018, 61, 576-585.		5
38	Synthesis and evaluation of a novel urea-based ⁶⁸ Ga-complex for imaging PSMA binding in tumor. <i>Nuclear Medicine and Biology</i> , 2018, 59, 36-47.	0.6	32
39	Cobalt-Doped Vanadium Nitride Yolk-Shell Nanospheres @ Carbon with Physical and Chemical Synergistic Effects for Advanced Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11642-11651.	8.0	102
40	Titanium nitride hollow nanospheres with strong lithium polysulfide chemisorption as sulfur hosts for advanced lithium-sulfur batteries. <i>Nano Research</i> , 2018, 11, 4302-4312.	10.4	81
41	NH ₃ -SCR performance and the resistance to SO ₂ for Nb doped vanadium based catalyst at low temperatures. <i>Journal of Environmental Sciences</i> , 2018, 65, 306-316.	6.1	40
42	Deuterated 18 F-9-O-hexadeutero-3-fluoropropoxyl-(+)-dihydrotrabenazine (D6-FP-(+)-DTBZ): A vesicular monoamine transporter 2 (VMAT2) imaging agent. <i>Nuclear Medicine and Biology</i> , 2018, 57, 42-49.	0.6	10
43	Imaging Brain Metastasis Patients With 18F-(2S,4R)-4-Fluoroglutamine. <i>Clinical Nuclear Medicine</i> , 2018, 43, e392-e399.	1.3	22
44	Self-Assembly Molecular Chaperone to Concurrently Inhibit the Production and Aggregation of Amyloid β Peptide Associated with Alzheimer's Disease. <i>ACS Macro Letters</i> , 2018, 7, 983-989.	4.8	17
45	Fluorine-18 labeled diphenyl sulfide derivatives for imaging serotonin transporter (SERT) in the brain. <i>Nuclear Medicine and Biology</i> , 2018, 66, 1-9.	0.6	4
46	PET Imaging of ¹⁸ F-(2S,4R)-4-Fluoroglutamine Accumulation in Breast Cancer: From Xenografts to Patients. <i>Molecular Pharmaceutics</i> , 2018, 15, 3448-3455.	4.6	18
47	Metabolic Imaging of Glutamine in Cancer. <i>Journal of Nuclear Medicine</i> , 2017, 58, 533-537.	5.0	63
48	Synthesis of novel PEG-modified nitroimidazole derivatives via "click" reaction and their biological evaluation as potential PET imaging agent for tumors. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 312, 263-276.	1.5	9
49	Characterization and causes of land subsidence in Beijing, China. <i>International Journal of Remote Sensing</i> , 2017, 38, 808-826.	2.9	77
50	Photodynamic Therapy of Human Hepatoma Using Semiconductor Quantum Dots as Sole Photosensitizer. <i>Particle and Particle Systems Characterization</i> , 2017, 34, 1600413.	2.3	12
51	Engineering a highly thermostable and stress tolerant superoxide dismutase by N-terminal modification and metal incorporation. <i>Biotechnology and Bioprocess Engineering</i> , 2017, 22, 725-733.	2.6	3
52	Morphology Evolution on the Fracture Surface and Fracture Mechanisms of Multiphase Nanostructured ZrCu-Base Alloys. <i>Materials</i> , 2017, 10, 284.	2.9	1
53	Draft Genome Sequence of a Thermophilic Desulfurization Bacterium, <i>Geobacillus thermoglucosidasius</i> Strain W-2. <i>Genome Announcements</i> , 2016, 4, .	0.8	8
54	New ⁶⁸ Ga-PhenA bisphosphonates as potential bone imaging agents. <i>Nuclear Medicine and Biology</i> , 2016, 43, 360-371.	0.6	20

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55	One-step preparation of [¹⁸ F]FPBM for PET imaging of serotonin transporter (SERT) in the brain. <i>Nuclear Medicine and Biology</i> , 2016, 43, 470-477.	0.6	10
56	Mitochondria-Mediated Protein Regulation Mechanism of Polymorphs-Dependent Inhibition of Nanoselenium on Cancer Cells. <i>Scientific Reports</i> , 2016, 6, 31427.	3.3	20
57	Fabrication of Various V ₂ O ₅ Hollow Microspheres as Excellent Cathode for Lithium Storage and the Application in Full Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 17205-17211.	8.0	46
58	Improving the thermostability and stress tolerance of an archaeon hyperthermophilic superoxide dismutase by fusion with a unique N-terminal domain. <i>SpringerPlus</i> , 2016, 5, 241.	1.2	11
59	Contrasting correlation patterns between environmental factors and chlorophyll levels in the global ocean. <i>Global Biogeochemical Cycles</i> , 2015, 29, 2095-2107.	4.9	16
60	Synthesis of TEG-Substituted 4-(N-Methyl-N-Boc-amino)styrylpyridine as Key Precursor for Monodentate and Multidentate Imaging Agents for Al ²⁺ Plaques. <i>Synthetic Communications</i> , 2015, 45, 2740-2747.	2.1	3
61	Accumulation and elimination of iron oxide nanomaterials in zebrafish (<i>Danio rerio</i>) upon chronic aqueous exposure. <i>Journal of Environmental Sciences</i> , 2015, 30, 223-230.	6.1	55
62	Brain uptake of a non-radioactive pseudo-carrier and its effect on the biodistribution of [¹⁸ F]AV-133 in mouse brain. <i>Nuclear Medicine and Biology</i> , 2015, 42, 630-636.	0.6	8
63	Genesis of Tropical Storm Debby (2006) within an African Easterly Wave: Roles of the Bottom-Up and Midlevel Pouch Processes. <i>Journals of the Atmospheric Sciences</i> , 2015, 72, 2267-2285.	1.7	6
64	Interfacial rheology and aggregation behaviour of amphiphilic CBABC-type pentablock copolymers at the air-water interface: effects of block ratio and chain length. <i>RSC Advances</i> , 2015, 5, 82869-82878.	3.6	7
65	Flue gas desulfurization gypsum by-products alters cytosolic Ca ²⁺ distribution and Ca ²⁺ -ATPase activity in leaf cells of oil sunflower in alkaline soil. <i>Journal of Plant Interactions</i> , 2014, 9, 152-158.	2.1	7
66	Risk Assessment of Rotavirus Infection in Surface Seawater from Bohai Bay, China. <i>Human and Ecological Risk Assessment (HERA)</i> , 2014, 20, 929-940.	3.4	9
67	Expanding the Scope of Fluorine Tags for PET Imaging. <i>Science</i> , 2013, 342, 429-430.	12.6	21
68	An improved preparation of [¹⁸ F]FPBM: A potential serotonin transporter (SERT) imaging agent. <i>Nuclear Medicine and Biology</i> , 2013, 40, 974-979.	0.6	6
69	Ag ₂ O@Bi ₂ O ₃ composites: synthesis, characterization and high efficient photocatalytic activities. <i>CrystEngComm</i> , 2012, 14, 5705.	2.6	44
70	Study the pharmacokinetics of AV-45 in rat plasma and metabolism in liver microsomes by ultra-performance liquid chromatography with mass spectrometry. <i>Biomedical Chromatography</i> , 2012, 26, 666-671.	1.7	11
71	Rapid Detection of the Residual Kryptofix 2.2.2 Levels in [¹⁸ F]-Labeled Radiopharmaceuticals by Ultra-Performance Liquid Chromatography Tandem Mass Spectrometry. <i>Analytical Letters</i> , 2011, 44, 1197-1205.	1.8	2
72	Synthesis of Optically Pure 4-Fluoro-Glutamines as Potential Metabolic Imaging Agents for Tumors. <i>Journal of the American Chemical Society</i> , 2011, 133, 1122-1133.	13.7	144

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73	An improved radiosynthesis of [18F]AV-133: a PET imaging agent for vesicular monoamine transporter 2. Nuclear Medicine and Biology, 2010, 37, 133-141.	0.6	38
74	Acute toxicities of six manufactured nanomaterial suspensions to Daphnia magna. Journal of Nanoparticle Research, 2009, 11, 67-75.	1.9	289
75	Synthesis and evaluation of 2-amino-dihydrotrabenzine derivatives as probes for imaging vesicular monoamine transporter-2. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 5026-5028.	2.2	28
76	The interconversion mechanism between TcO ₃ ⁺ and TcO ₂ + core of ^{99m} Tc labeled amine-oxime (AO) complexes. Theoretical Chemistry Accounts, 2008, 121, 271-278.	1.4	11
77	Complex fault tree analysis based on BDD route-based rules. , 2008, , .		0
78	Primary study of a novel Tc-tricarbonyl cocaine analogue as the potential DAT imaging agent. Science Bulletin, 2005, 50, 761-764.	1.7	0
79	Synthesis, separation and biodistribution of ^{99m} Tc-CO-MIBI complex. Journal of Labelled Compounds and Radiopharmaceuticals, 2004, 47, 513-521.	1.0	23