

Lin Zhu

List of Publications by Year in descending order

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79
papers

1,701
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394421

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docs citations

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times ranked

2738
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Acute toxicities of six manufactured nanomaterial suspensions to <i>Daphnia magna</i> . <i>Journal of Nanoparticle Research</i> , 2009, 11, 67-75. | 1.9 | 289 |
| 2 | 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 |
| 3 | Cobalt-Doped Vanadium Nitride Core-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 |
| 4 | 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 |
| 5 | Characterization and causes of land subsidence in Beijing, China. <i>International Journal of Remote Sensing</i> , 2017, 38, 808-826. | 2.9 | 77 |
| 6 | Metabolic Imaging of Glutamine in Cancer. <i>Journal of Nuclear Medicine</i> , 2017, 58, 533-537. | 5.0 | 63 |
| 7 | 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 |
| 8 | 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 |
| 9 | Fabrication of Various V_2O_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 |
| 10 | Ag ₂ O-Bi ₂ O ₃ composites: synthesis, characterization and high efficient photocatalytic activities. <i>CrystEngComm</i> , 2012, 14, 5705. | 2.6 | 44 |
| 11 | 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 |
| 12 | An improved radiosynthesis of [¹⁸ F]AV-133: a PET imaging agent for vesicular monoamine transporter 2. <i>Nuclear Medicine and Biology</i> , 2010, 37, 133-141. | 0.6 | 38 |
| 13 | 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 |
| 14 | 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 |
| 15 | Synthesis and evaluation of 2-amino-dihydrotriazine derivatives as probes for imaging vesicular monoamine transporter-2. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 5026-5028. | 2.2 | 28 |
| 16 | Synthesis, separation and biodistribution of ^{99m} Tc-CO-MIBI complex. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2004, 47, 513-521. | 1.0 | 23 |
| 17 | Conformational-transition protein corona regulated cell-membrane penetration and induced cytotoxicity of ultrasmall Au nanoparticles. <i>RSC Advances</i> , 2019, 9, 4435-4444. | 3.6 | 23 |
| 18 | Imaging Brain Metastasis Patients With ¹⁸ F-(2S,4R)-4-Fluoroglutamine. <i>Clinical Nuclear Medicine</i> , 2018, 43, e392-e399. | 1.3 | 22 |

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|----|---|------|-----------|
| 19 | Expanding the Scope of Fluorine Tags for PET Imaging. <i>Science</i> , 2013, 342, 429-430. | 12.6 | 21 |
| 20 | New ⁶⁸ Ga-PhenA bisphosphonates as potential bone imaging agents. <i>Nuclear Medicine and Biology</i> , 2016, 43, 360-371. | 0.6 | 20 |
| 21 | Mitochondria-Mediated Protein Regulation Mechanism of Polymorphs-Dependent Inhibition of Nanoselenium on Cancer Cells. <i>Scientific Reports</i> , 2016, 6, 31427. | 3.3 | 20 |
| 22 | A New [⁶⁸ Ga]Ga-HBED-CC-Bisphosphonate as a Bone Imaging Agent. <i>Molecular Pharmaceutics</i> , 2020, 17, 1674-1684. | 4.6 | 20 |
| 23 | PET Imaging of ¹⁸ F-(2 <i>S</i> ,4 <i>R</i>)4-Fluoroglutamine Accumulation in Breast Cancer: From Xenografts to Patients. <i>Molecular Pharmaceutics</i> , 2018, 15, 3448-3455. | 4.6 | 18 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | The Novel Use of PVP K30 as Templating Agent in Production of Porous Lactose. <i>Pharmaceutics</i> , 2021, 13, 814. | 4.5 | 12 |
| 32 | The interconversion mechanism between TcO ₃ ⁺ and TcO ₂ + core of ^{99m} Tc labeled amine-oxime (AO) complexes. <i>Theoretical Chemistry Accounts</i> , 2008, 121, 271-278. | 1.4 | 11 |
| 33 | Study the pharmacokinetics of AV ϵ 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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|----|--|------|-----------|
| 37 | Self-Destruction of Cancer Induced by Ag ₂ S Amorphous Nanodots. <i>Small</i> , 2019, 15, 1902945. | 10.0 | 10 |
| 38 | 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 |
| 39 | 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 |
| 40 | 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 |
| 41 | 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 |
| 42 | Release Characteristics of an Essential Oil Component Encapsulated with Cyclodextrin Shell Matrices. <i>Current Drug Delivery</i> , 2021, 18, 487-499. | 1.6 | 10 |
| 43 | 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 |
| 44 | 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 |
| 45 | 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 |
| 46 | Synthesis and preliminary evaluation of a novel glutamine derivative: (2S,4S)-4-[¹⁸ F]FEBGln. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1047-1050. | 2.2 | 9 |
| 47 | (2S,4R)-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 |
| 48 | 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 |
| 49 | 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 |
| 50 | Draft Genome Sequence of a Thermophilic Desulfurization Bacterium, <i>Geobacillus thermoglucosidasius</i> Strain W-2. <i>Genome Announcements</i> , 2016, 4, . | 0.8 | 8 |
| 51 | 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 |
| 52 | [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 |
| 53 | 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 |
| 54 | Radiolabeling Optimization and Preclinical Evaluation of the New PSMA Imaging Agent [¹⁸ F]AIF-P16-093. <i>Bioconjugate Chemistry</i> , 2021, 32, 1017-1026. | 3.6 | 8 |

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|----|--|-----|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | 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 |
| 58 | 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 |
| 59 | Deuterium-substituted 2-((dimethylamino)methyl)-[¹⁸ F](fluoropropoxy)phenylthio)benzamide as a serotonin transporter imaging agent. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2018, 61, 576-585. | 1.0 | 5 |
| 60 | 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 |
| 61 | 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 |
| 62 | ⁶⁸ Ga-labelled-exendin-4: New GLP1R targeting agents for imaging pancreatic β -cell and insulinoma. <i>Nuclear Medicine and Biology</i> , 2021, 102-103, 87-96. | 0.6 | 5 |
| 63 | 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 |
| 64 | 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 |
| 65 | 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 |
| 66 | 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 |
| 67 | Synthesis of TEG-Substituted 4-(N-Methyl-N-Boc-amino)styrylpyridine as Key Precursor for Monodentate and Multidentate Imaging Agents for Al ³⁺ Plaques. <i>Synthetic Communications</i> , 2015, 45, 2740-2747. | 2.1 | 3 |
| 68 | 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 |
| 69 | Optimization of solid-phase extraction (SPE) in the preparation of [¹⁸ F]D3FSP: A new PET imaging agent for mapping Al ³⁺ plaques. <i>Nuclear Medicine and Biology</i> , 2019, 71, 54-64. | 0.6 | 3 |
| 70 | A Targeting Membrane Injury Strategy via Calcification for the Inhibition of Leukemia Cells. <i>ChemistrySelect</i> , 2019, 4, 3642-3645. | 1.5 | 3 |
| 71 | 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 |
| 72 | 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 |

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|----|---|-----|-----------|
| 73 | Design, synthesis and evaluation of a novel glutamine derivative (2S,4R)-2-amino-4-cyano-4-[¹⁸ F]fluorobutanoic acid. <i>New Journal of Chemistry</i> , 2020, 44, 9109-9117. | 2.8 | 3 |
| 74 | 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 |
| 75 | Initial experience in synthesis of (2 <i>S</i> ,4 <i>R</i>)-4-[(¹⁸ F)fluoroglutamine for clinical application. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2019, 62, 209-214. | 1.0 | 2 |
| 76 | Morphology Evolution on the Fracture Surface and Fracture Mechanisms of Multiphase Nanostructured ZrCu-Base Alloys. <i>Materials</i> , 2017, 10, 284. | 2.9 | 1 |
| 77 | 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 |
| 78 | Primary study of a novel Tc-tricarbonyl cocaine analogue as the potential DAT imaging agent. <i>Science Bulletin</i> , 2005, 50, 761-764. | 1.7 | 0 |
| 79 | Complex fault tree analysis based on BDD route-based rules. , 2008, , . | | 0 |