

Suzanne E Lapi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7223987/publications.pdf>

Version: 2024-02-01

113
papers

2,449
citations

201674

27
h-index

276875

41
g-index

123
all docs

123
docs citations

123
times ranked

3134
citing authors

#	ARTICLE	IF	CITATIONS
1	Meet the advisors â€•Suzy Lapi. Journal of Labelled Compounds and Radiopharmaceuticals, 2022, 65, 25-27.	1.0	0
2	45Ti targeted tracers for PET imaging of PSMA. Nuclear Medicine and Biology, 2022, 108-109, 16-23.	0.6	6
3	Modulation of the Tumor Microenvironment with Trastuzumab Enables Radiosensitization in HER2+ Breast Cancer. Cancers, 2022, 14, 1015.	3.7	5
4	A General Design Strategy Enabling the Synthesis of Hydrolysisâ€Resistant, Waterâ€Stable Titanium(IV) Complexes. Angewandte Chemie - International Edition, 2022, 61, .	13.8	7
5	A General Design Strategy Enabling the Synthesis of Hydrolysisâ€Resistant, Waterâ€Stable Titanium(IV) Complexes. Angewandte Chemie, 2022, 134, .	2.0	1
6	Cyclotron Production and Separation of Scandium Radionuclides from Natural Titanium Metal and Titanium Dioxide Targets. Journal of Nuclear Medicine, 2021, 62, 131-136.	5.0	29
7	Real-Time Gain Control of PET Detectors and Evaluation With Challenging Radionuclides. IEEE Transactions on Medical Imaging, 2021, 40, 71-80.	8.9	0
8	Production of [89 Zr]Oxinate 4 and cell radiolabeling for human use. Journal of Labelled Compounds and Radiopharmaceuticals, 2021, 64, 209-216.	1.0	11
9	Aqueous harvesting of ^{88}Zr at a radioactive-ion-beam facility for cross-section measurements. Physical Review C, 2021, 103, .	2.9	7
10	A novel anti-angiogenic radio/photo sensitizer for prostate cancer imaging and therapy: ^{89}Zr -Pt@TiO ₂ -SPHINX, synthesis and in vitro evaluation. Nuclear Medicine and Biology, 2021, 94-95, 20-31.	0.6	6
11	Citrullinated vimentin mediates development and progression of lung fibrosis. Science Translational Medicine, 2021, 13, .	12.4	60
12	[^{89}Zr]-Pertuzumab PET Imaging Reveals Paclitaxel Treatment Efficacy Is Positively Correlated with HER2 Expression in Human Breast Cancer Xenograft Mouse Models. Molecules, 2021, 26, 1568.	3.8	8
13	Global access to medical imaging and nuclear medicine. Lancet Oncology, The, 2021, 22, 425-426.	10.7	1
14	Positron Emission Tomography Imaging of Macrophages in Cancer. Cancers, 2021, 13, 1921.	3.7	11
15	Leveraging copper import by yersiniabactin siderophore system for targeted PET imaging of bacteria. JCI Insight, 2021, 6, .	5.0	8
16	Positron emission tomography imaging with ^{89}Zr -labeled anti-CD8 cys-diabody reveals CD8+ cell infiltration during oncolytic virus therapy in a glioma murine model. Scientific Reports, 2021, 11, 15384.	3.3	13
17	Production, Purification, and Applications of a Potential Theranostic Pair: Cobalt-55 and Cobalt-58m. Diagnostics, 2021, 11, 1235.	2.6	10
18	Production of ^{52}Mn using a semi-automated module. Applied Radiation and Isotopes, 2021, 174, 109741.	1.5	9

#	ARTICLE	IF	CITATIONS
19	Novel Tracers and Radionuclides in PET Imaging. Radiologic Clinics of North America, 2021, 59, 887-918.	1.8	2
20	A heavy-ion production channel of ¹⁴⁹ Tb via ⁶³ Cu bombardment of ⁸⁹ Y. Applied Radiation and Isotopes, 2021, 178, 109935.	1.5	5
21	IAEA Activities on ⁶⁷ Cu, ¹⁸⁶ Re, ⁴⁷ Sc Theranostic Radionuclides and Radiopharmaceuticals. Current Radiopharmaceuticals, 2021, 14, 306-314.	0.8	13
22	Evaluation of ¹⁷⁷ Lu and ⁴⁷ Sc Picaga-Linked, Prostate-Specific Membrane Antigen-Targeting Constructs for Their Radiotherapeutic Efficacy and Dosimetry. Molecular Pharmaceutics, 2021, 18, 4511-4519.	4.6	8
23	Homologous Structural, Chemical, and Biological Behavior of Sc and Lu Complexes of the Picaga Bifunctional Chelator: Toward Development of Matched Theranostic Pairs for Radiopharmaceutical Applications. Bioconjugate Chemistry, 2021, 32, 1232-1241.	3.6	19
24	Impaired copper transport in schizophrenia results in a copper-deficient brain state: A new side to the dysbindin story. World Journal of Biological Psychiatry, 2020, 21, 13-28.	2.6	18
25	Improved production of ⁷⁶ Br, ⁷⁷ Br and ^{80m} Br via CoSe cyclotron targets and vertical dry distillation. Nuclear Medicine and Biology, 2020, 80-81, 32-36.	0.6	15
26	Overexpression of somatostatin receptor type 2 in neuroendocrine tumors for improved Ga68-DOTATATE imaging and treatment. Surgery, 2020, 167, 189-196.	1.9	26
27	Harvesting ⁴⁸ V at the National Superconducting Cyclotron Laboratory. Applied Radiation and Isotopes, 2020, 157, 109023.	1.5	10
28	The Cu(II) Reductase RclA Protects <i>Escherichia coli</i> against the Combination of Hypochlorous Acid and Intracellular Copper. MBio, 2020, 11, .	4.1	17
29	Optimized methods for production and purification of Titanium-45. Applied Radiation and Isotopes, 2020, 166, 109398.	1.5	17
30	Interactions between knockout of schizophrenia risk factor Dysbindin-1 and copper metabolism in mice. Brain Research Bulletin, 2020, 164, 339-349.	3.0	5
31	Novel multimodal molecular imaging of Vitamin H (Biotin) transporter activity in the murine placenta. Scientific Reports, 2020, 10, 20767.	3.3	2
32	Comparative Uptake and Biological Distribution of [¹⁸ F]-Labeled C6 and C8 Perfluorinated Alkyl Substances in Pregnant Mice via Different Routes of Administration. Environmental Science and Technology Letters, 2020, 7, 665-671.	8.7	10
33	Multilayer Microcapsules with Shell-Chelated ⁸⁹ Zr for PET Imaging and Controlled Delivery. ACS Applied Materials & Interfaces, 2020, 12, 56792-56804.	8.0	16
34	Imaging for Response Assessment in Cancer Clinical Trials. Seminars in Nuclear Medicine, 2020, 50, 488-504.	4.6	22
35	⁶⁴ Cu-ATSM Positron Emission Tomography/Magnetic Resonance Imaging of Hypoxia in Human Atherosclerosis. Circulation: Cardiovascular Imaging, 2020, 13, e009791.	2.6	13
36	Current and Future Imaging Methods for Evaluating Response to Immunotherapy in Neuro-Oncology. Theranostics, 2019, 9, 5085-5104.	10.0	29

#	ARTICLE	IF	CITATIONS
37	New ⁵⁵ Co-labeled Albumin-Binding Folate Derivatives as Potential PET Agents for Folate Receptor Imaging. <i>Pharmaceuticals</i> , 2019, 12, 166.	3.8	16
38	Photonuclear production, chemistry, and in vitro evaluation of the theranostic radionuclide ⁴⁷ Sc. <i>EJNMMI Research</i> , 2019, 9, 42.	2.5	27
39	Imaging of HER2 with [⁸⁹ Zr]pertuzumab in Response to T-DM1 Therapy. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2019, 34, 209-217.	1.0	20
40	Isotope harvesting at FRIB: additional opportunities for scientific discovery. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 100501.	3.6	35
41	Pulmonary Carcinoid Surface Receptor Modulation Using Histone Deacetylase Inhibitors. <i>Cancers</i> , 2019, 11, 767.	3.7	18
42	Radiometals for imaging and theranostics, current production, and future perspectives. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2019, 62, 615-634.	1.0	49
43	Radiochlorine: an underutilized halogen tool. <i>Radiochimica Acta</i> , 2019, 107, 1027-1031.	1.2	2
44	Manganese-52 production cross-section measurements via irradiation of natural chromium targets up to 20 MeV. <i>Applied Radiation and Isotopes</i> , 2019, 147, 165-170.	1.5	9
45	⁸⁹ Zr-DFO-Cetuximab as a Molecular Imaging Agent to Identify Cetuximab Resistance in Head and Neck Squamous Cell Carcinoma. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2019, 34, 288-296.	1.0	9
46	Methods for the Production of Radionuclides for Medicine. , 2019, , 63-83.		1
47	Panitumumab-IRDye800CW for Fluorescence-Guided Surgical Resection of Colorectal Cancer. <i>Journal of Surgical Research</i> , 2019, 239, 44-51.	1.6	23
48	Radiolabeled Cationic Peptides for Targeted Imaging of Infection. <i>Contrast Media and Molecular Imaging</i> , 2019, 2019, 1-11.	0.8	7
49	The surprisingly large neutron capture cross-section of ⁸⁸ Zr. <i>Nature</i> , 2019, 565, 328-330.	27.8	25
50	Production of ¹⁵ O for Medical Applications via the ¹⁶ O(¹³ n, ¹⁵ O) Reaction. <i>Journal of Nuclear Medicine</i> , 2019, 60, 424-428.	5.0	2
51	Targeting HER2 in Nuclear Medicine for Imaging and Therapy. <i>Molecular Imaging</i> , 2018, 17, 153601211774538.	1.4	57
52	Essential Metal Uptake in Gram-negative Bacteria: X-ray Fluorescence, Radioisotopes, and Cell Fractionation. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	0
53	Evaluation of [⁸⁹ Zr]trastuzumab-PET/CT in differentiating HER2-positive from HER2-negative breast cancer. <i>Breast Cancer Research and Treatment</i> , 2018, 169, 523-530.	2.5	59
54	Production and Use of the First-Row Transition Metal PET Radionuclides ^{43,44} Sc, ⁵² Mn, and ⁴⁵ Ti. <i>Journal of Nuclear Medicine</i> , 2018, 59, 1655-1659.	5.0	47

#	ARTICLE	IF	CITATIONS
55	Macrophage Rac2 Is Required to Reduce the Severity of Cigarette Smoke-induced Pneumonia. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 1288-1301.	5.6	10
56	A promising carbon-11-labeled sphingosine-1-phosphate receptor 1-specific PET tracer for imaging vascular injury. Journal of Nuclear Cardiology, 2017, 24, 558-570.	2.1	29
57	Radiosynthesis and Biological Distribution of ¹⁸ F-Labeled Perfluorinated Alkyl Substances. Environmental Science and Technology Letters, 2017, 4, 211-215.	8.7	16
58	Biodistribution and PET Imaging of pharmacokinetics of manganese in mice using Manganese-52. PLoS ONE, 2017, 12, e0174351.	2.5	27
59	Preclinical PET imaging of glycoprotein non-metastatic melanoma B in triple negative breast cancer: feasibility of an antibody-based companion diagnostic agent. Oncotarget, 2017, 8, 104303-104314.	1.8	12
60	New Methods for the Site-Selective Placement of Peptides on a Microelectrode Array: Probing VEGF ¹⁰⁷ Binding as Proof of Concept. ACS Chemical Biology, 2016, 11, 2829-2837.	3.4	12
61	Imaging of hypoxia in mouse atherosclerotic plaques with ⁶⁴ Cu-ATSM. Nuclear Medicine and Biology, 2016, 43, 534-542.	0.6	14
62	PET/MRI of Hypoxic Atherosclerosis Using ⁶⁴ Cu-ATSM in a Rabbit Model. Journal of Nuclear Medicine, 2016, 57, 2006-2011.	5.0	41
63	[⁸⁹ Zr]Trastuzumab: Evaluation of Radiation Dosimetry, Safety, and Optimal Imaging Parameters in Women with HER2-Positive Breast Cancer. Molecular Imaging and Biology, 2016, 18, 952-959.	2.6	103
64	Calibration setting numbers for dose calibrators for the PET isotopes ⁵² Mn, ⁶⁴ Cu, ⁷⁶ Br, ⁸⁶ Y, ⁸⁹ Zr, ¹²⁴ I. Applied Radiation and Isotopes, 2016, 113, 89-95.	1.5	11
65	Microfluidic Preparation of a ⁸⁹ Zr-Labeled Trastuzumab Single-Patient Dose. Journal of Nuclear Medicine, 2016, 57, 747-752.	5.0	16
66	Pretargeted Immuno-PET: Overcoming Limitations of Space and Time. Journal of Nuclear Medicine, 2016, 57, 332-333.	5.0	7
67	Evaluation of Cu-64 and Ga-68 Radiolabeled Glucagon-Like Peptide-1 Receptor Agonists as PET Tracers for Pancreatic β^2 cell Imaging. Molecular Imaging and Biology, 2016, 18, 90-98.	2.6	14
68	Development of ⁸⁹ Zr-Ontuxizumab for <i>in vivo</i> TEM-1/Endosialin PET applications. Oncotarget, 2016, 7, 13082-13092.	1.8	13
69	Harvesting ⁶⁷ Cu from the Collection of a Secondary Beam Cocktail at the National Superconducting Cyclotron Laboratory. Analytical Chemistry, 2015, 87, 10323-10329.	6.5	21
70	Preclinical Positron Emission Tomographic Imaging of Acute Hyperoxia Therapy of Chronic Hypoxia during Pregnancy. Molecular Imaging, 2015, 14, 7290.2015.00013.	1.4	3
71	Cyclotron Production of High-Specific Activity ⁵⁵ Co and In Vivo Evaluation of the Stability of ⁵⁵ Co Metal-Chelate-Peptide Complexes. Molecular Imaging, 2015, 14, 7290.2015.00025.	1.4	22
72	Production and separation of ¹⁸⁶ gRe from proton bombardment of ¹⁸⁶ WC. Nuclear Medicine and Biology, 2015, 42, 530-535.	0.6	16

#	ARTICLE	IF	CITATIONS
73	Evaluation of Hypoxia With Copper-Labeled Diacetyl-bis(N-Methylthiosemicarbazone). <i>Seminars in Nuclear Medicine</i> , 2015, 45, 177-185.	4.6	34
74	Synthesis and Biological Evaluation of (<i>S</i>)-Amino-2-methyl-4- ⁷⁶ Br]bromo-3-(<i>E</i>)-butenoic Acid (BrVAIB) for Brain Tumor Imaging. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 8542-8552.	6.4	7
75	Investigating the pharmacokinetics and biological distribution of silver-loaded polyphosphoester-based nanoparticles using ¹¹¹ Ag as a radiotracer. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2015, 58, 234-241.	1.0	21
76	Cross-sections for (p,x) reactions on natural chromium for the production of ⁵² Cr, ^{52m} Cr, ⁵⁴ Mn radioisotopes. <i>Applied Radiation and Isotopes</i> , 2015, 96, 154-161.	1.5	31
77	Investigation of a Vitamin B ₁₂ Conjugate as a PET Imaging Probe. <i>ChemMedChem</i> , 2014, 9, 1244-1251.	3.2	18
78	Immuno-PET of epithelial ovarian cancer: harnessing the potential of CA125 for non-invasive imaging. <i>EJNMMI Research</i> , 2014, 4, 60.	2.5	19
79	Specific activity measurement of ⁶⁴ Cu: A comparison of methods. <i>Applied Radiation and Isotopes</i> , 2014, 90, 117-121.	1.5	12
80	Design and construction of a water target system for harvesting radioisotopes at the National Superconducting Cyclotron Laboratory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 747, 62-68.	1.6	17
81	Evaluation of ⁸⁹ Zr-pertuzumab in Breast Cancer Xenografts. <i>Molecular Pharmaceutics</i> , 2014, 11, 3988-3995.	4.6	64
82	Synthesis, complex stability and small animal PET imaging of a novel ⁶⁴ Cu-labelled cryptand molecule. <i>MedChemComm</i> , 2014, 5, 958-962.	3.4	3
83	Glypican-3-Targeted ⁸⁹ Zr PET Imaging of Hepatocellular Carcinoma: Where Antibody Imaging Dares to Tread. <i>Journal of Nuclear Medicine</i> , 2014, 55, 708-709.	5.0	5
84	Development of a Radiolabeled Irreversible Peptide Ligand for PET Imaging of Vascular Endothelial Growth Factor. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1029-1034.	5.0	8
85	Feasibility of Isotope Harvesting at a Projectile Fragmentation Facility: ⁶⁷ Cu. <i>Scientific Reports</i> , 2014, 4, 6706.	3.3	23
86	Synthesis, characterisation and evaluation of a novel copper-64 complex with selective uptake in EMT-6 cells under hypoxic conditions. <i>Dalton Transactions</i> , 2013, 42, 12005.	3.3	9
87	Cyclotron Production of ^{99m} Tc using ¹⁰⁰ Mo/ ² C targets. <i>Nuclear Medicine and Biology</i> , 2013, 40, 939-945.	0.6	16
88	Preclinical Evaluation of the Novel Monoclonal Antibody H6-11 for Prostate Cancer Imaging. <i>Molecular Pharmaceutics</i> , 2013, 10, 3655-3664.	4.6	9
89	The use of ¹¹¹ Ag as a tool for studying biological distribution of silver-based antimicrobials. <i>MedChemComm</i> , 2013, 4, 1015.	3.4	18
90	A historical perspective on the specific activity of radiopharmaceuticals: What have we learned in the 35 years of the ISRC?. <i>Nuclear Medicine and Biology</i> , 2013, 40, 314-320.	0.6	36

#	ARTICLE	IF	CITATIONS
91	Initial characterization of a dually radiolabeled peptide for simultaneous monitoring of protein targets and enzymatic activity. <i>Nuclear Medicine and Biology</i> , 2013, 40, 190-196.	0.6	5
92	Effects of Chelator Modifications on ⁶⁸ Ga-Labeled [Tyr ³]Octreotide Conjugates. <i>Molecular Imaging and Biology</i> , 2013, 15, 606-613.	2.6	25
93	Designing the Magic Bullet? The Advancement of Immuno-PET into Clinical Use. <i>Journal of Nuclear Medicine</i> , 2013, 54, 1171-1174.	5.0	57
94	An alternate approach to the production of radioisotopes for nuclear medicine applications. <i>Review of Scientific Instruments</i> , 2013, 84, 034705.	1.3	6
95	Imaging of CD47 Expression in Xenograft and Allograft Tumor Models. <i>Molecular Imaging</i> , 2013, 12, 7290.2013.00069.	1.4	19
96	Routine Production of ⁸⁹ Zr Using an Automated Module. <i>Applied Sciences (Switzerland)</i> , 2013, 3, 593-613.	2.5	46
97	Detection of Rapalog-Mediated Therapeutic Response in Renal Cancer Xenografts Using ⁶⁴ Cu-bevacizumab ImmunoPET. <i>PLoS ONE</i> , 2013, 8, e58949.	2.5	27
98	Imaging the L-Type Amino Acid Transporter-1 (LAT1) with Zr-89 ImmunoPET. <i>PLoS ONE</i> , 2013, 8, e77476.	2.5	31
99	⁸⁹ Zr-Radiolabeled Trastuzumab Imaging in Orthotopic and Metastatic Breast Tumors. <i>Pharmaceuticals</i> , 2012, 5, 79-93.	3.8	50
100	A historical perspective on the specific activity of radiopharmaceuticals: what have we learned in the 35 years of the ISRC?. <i>Nuclear Medicine and Biology</i> , 2012, 39, 601-608.	0.6	43
101	A semi-automated system for the routine production of copper-64. <i>Applied Radiation and Isotopes</i> , 2012, 70, 1803-1806.	1.5	51
102	Long-term evaluation of TiO ₂ -based ⁶⁸ Ge/ ⁶⁸ Ga generators and optimized automation of [⁶⁸ Ga]DOTATOC radiosynthesis. <i>Applied Radiation and Isotopes</i> , 2012, 70, 2539-2544.	1.5	19
103	Preface: 14th International Workshop on Targetry and Target Chemistry (WTTC)., 2012, , .		0
104	THE EFFECTS OF IRON AND COPPER AVAILABILITY ON THE COPPER STOICHIOMETRY OF MARINE PHYTOPLANKTON ¹ . <i>Journal of Phycology</i> , 2012, 48, 312-325.	2.3	48
105	The rise of metal radionuclides in medical imaging: copper-64, zirconium-89 and yttrium-86. <i>Future Medicinal Chemistry</i> , 2011, 3, 599-621.	2.3	41
106	A new and simple calibration-independent method for measuring the beam energy of a cyclotron. <i>Applied Radiation and Isotopes</i> , 2011, 69, 247-253.	1.5	13
107	COPPER ¹ UPTAKE KINETICS OF COASTAL AND OCEANIC DIATOMS ¹ . <i>Journal of Phycology</i> , 2010, 46, 1218-1228.	2.3	42
108	PET Imaging of Hypoxia. <i>PET Clinics</i> , 2009, 4, 39-47.	3.0	42

#	ARTICLE	IF	CITATIONS
109	Assessment of an ¹⁸ F-Labeled Phosphoramidate Peptidomimetic as a New Prostate-Specific Membrane Antigen-Targeted Imaging Agent for Prostate Cancer. Journal of Nuclear Medicine, 2009, 50, Precise Measurement of the ¹² I decay and electron capture of	5.0	80
110	Na	2.9	17
111	Au	3.1	108
112	The effects of Cu and Fe availability on the growth and Cu:C ratios of marine diatoms. Limnology and Oceanography, 2008, 53, 2451-2461.	1.5	16
113	55Cobalt complexes with pendant carbohydrates as potential PET imaging agents. Applied Radiation and Isotopes, 2007, 65, 1303-1308.	3.2	64
	Cellular and whole-plant chloride dynamics in barley: insights into chloride?nitrogen interactions and salinity responses. Planta, 2004, 218, 615-622.		