

Suzanne E Lapi

List of Publications by Year in descending order

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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	The effects of Cu and Fe availability on the growth and Cu:C ratios of marine diatoms. <i>Limnology and Oceanography</i> , 2008, 53, 2451-2461.	3.1	108
2	[⁸⁹ Zr]Trastuzumab: Evaluation of Radiation Dosimetry, Safety, and Optimal Imaging Parameters in Women with HER2-Positive Breast Cancer. <i>Molecular Imaging and Biology</i> , 2016, 18, 952-959.	2.6	103
3	Assessment of an ¹⁸ F-Labeled Phosphoramidate Peptidomimetic as a New Prostate-Specific Membrane Antigen-Targeted Imaging Agent for Prostate Cancer. <i>Journal of Nuclear Medicine</i> , 2009, 50, 2042-2048.	5.0	80
4	Cellular and whole-plant chloride dynamics in barley: insights into chloride?nitrogen interactions and salinity responses. <i>Planta</i> , 2004, 218, 615-622.	3.2	64
5	Evaluation of ⁸⁹ Zr-pertuzumab in Breast Cancer Xenografts. <i>Molecular Pharmaceutics</i> , 2014, 11, 3988-3995.	4.6	64
6	Citrullinated vimentin mediates development and progression of lung fibrosis. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	60
7	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
8	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
9	Targeting HER2 in Nuclear Medicine for Imaging and Therapy. <i>Molecular Imaging</i> , 2018, 17, 153601211774538.	1.4	57
10	A semi-automated system for the routine production of copper-64. <i>Applied Radiation and Isotopes</i> , 2012, 70, 1803-1806.	1.5	51
11	⁸⁹ Zr-Radiolabeled Trastuzumab Imaging in Orthotopic and Metastatic Breast Tumors. <i>Pharmaceutics</i> , 2012, 5, 79-93.	3.8	50
12	Radiometals for imaging and theranostics, current production, and future perspectives. <i>Journal of Labelled Compounds and Radiopharmaceutics</i> , 2019, 62, 615-634.	1.0	49
13	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
14	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
15	Routine Production of ⁸⁹ Zr Using an Automated Module. <i>Applied Sciences (Switzerland)</i> , 2013, 3, 593-613.	2.5	46
16	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
17	PET Imaging of Hypoxia. <i>PET Clinics</i> , 2009, 4, 39-47.	3.0	42
18	COPPER-uptake KINETICS OF COASTAL AND OCEANIC DIATOMS ¹ . <i>Journal of Phycology</i> , 2010, 46, 1218-1228.	2.3	42

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19	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
20	PET/MRI of Hypoxic Atherosclerosis Using ⁶⁴ Cu-ATSM in a Rabbit Model. <i>Journal of Nuclear Medicine</i> , 2016, 57, 2006-2011.	5.0	41
21	A historical perspective on the specific activity of radiopharmaceuticals: What have we learned in the 35years of the ISRC?. <i>Nuclear Medicine and Biology</i> , 2013, 40, 314-320.	0.6	36
22	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
23	Evaluation of Hypoxia With Copper-Labeled Diacetyl-bis(N-Methylthiosemicarbazone). <i>Seminars in Nuclear Medicine</i> , 2015, 45, 177-185.	4.6	34
24	Cross-sections for (p,x) reactions on natural chromium for the production of ⁵² m, ⁵⁴ Mn radioisotopes. <i>Applied Radiation and Isotopes</i> , 2015, 96, 154-161.	1.5	31
25	Imaging the L-Type Amino Acid Transporter-1 (LAT1) with Zr-89 ImmunoPET. <i>PLoS ONE</i> , 2013, 8, e77476.	2.5	31
26	A promising carbon-11-labeled sphingosine-1-phosphate receptor 1-specific PET tracer for imaging vascular injury. <i>Journal of Nuclear Cardiology</i> , 2017, 24, 558-570.	2.1	29
27	Current and Future Imaging Methods for Evaluating Response to Immunotherapy in Neuro-Oncology. <i>Theranostics</i> , 2019, 9, 5085-5104.	10.0	29
28	Cyclotron Production and Separation of Scandium Radionuclides from Natural Titanium Metal and Titanium Dioxide Targets. <i>Journal of Nuclear Medicine</i> , 2021, 62, 131-136.	5.0	29
29	Photonuclear production, chemistry, and in vitro evaluation of the theranostic radionuclide ⁴⁷ Sc. <i>EJNMMI Research</i> , 2019, 9, 42.	2.5	27
30	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
31	Biodistribution and PET Imaging of pharmacokinetics of manganese in mice using Manganese-52. <i>PLoS ONE</i> , 2017, 12, e0174351.	2.5	27
32	Overexpression of somatostatin receptor type 2 in neuroendocrine tumors for improved Ga ⁶⁸ -DOTATATE imaging and treatment. <i>Surgery</i> , 2020, 167, 189-196.	1.9	26
33	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
34	The surprisingly large neutron capture cross-section of ⁸⁸ Zr. <i>Nature</i> , 2019, 565, 328-330.	27.8	25
35	Feasibility of Isotope Harvesting at a Projectile Fragmentation Facility: ⁶⁷ Cu. <i>Scientific Reports</i> , 2014, 4, 6706.	3.3	23
36	Panitumumab-IRDye800CW for Fluorescence-Guided Surgical Resection of Colorectal Cancer. <i>Journal of Surgical Research</i> , 2019, 239, 44-51.	1.6	23

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37	Cyclotron Production of High-Specific Activity ⁵⁵ Co and In Vivo Evaluation of the Stability of ⁵⁵ Co Metal-Chelate-Peptide Complexes. <i>Molecular Imaging</i> , 2015, 14, 7290.2015.00025.	1.4	22
38	Imaging for Response Assessment in Cancer Clinical Trials. <i>Seminars in Nuclear Medicine</i> , 2020, 50, 488-504.	4.6	22
39	Harvesting ⁶⁷ Cu from the Collection of a Secondary Beam Cocktail at the National Superconducting Cyclotron Laboratory. <i>Analytical Chemistry</i> , 2015, 87, 10323-10329.	6.5	21
40	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
41	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
42	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
43	Imaging of CD47 Expression in Xenograft and Allograft Tumor Models. <i>Molecular Imaging</i> , 2013, 12, 7290.2013.00069.	1.4	19
44	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
45	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. <i>Bioconjugate Chemistry</i> , 2021, 32, 1232-1241.	3.6	19
46	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
47	Investigation of a Vitamin B ₁₂ Conjugate as a PET Imaging Probe. <i>ChemMedChem</i> , 2014, 9, 1244-1251.	3.2	18
48	Pulmonary Carcinoid Surface Receptor Modulation Using Histone Deacetylase Inhibitors. <i>Cancers</i> , 2019, 11, 767.	3.7	18
49	Impaired copper transport in schizophrenia results in a copper-deficient brain state: A new side to the dysbindin story. <i>World Journal of Biological Psychiatry</i> , 2020, 21, 13-28.	2.6	18
50	Precise measurement of the ¹²² Pb decay and electron capture of ^{122}Pb using ^{22}Na as a reference. <i>Applied Radiation and Isotopes</i> , 2020, 166, 109398.	2.9	17
51	Design and construction of a solvent 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
52	The Cu(II) Reductase RclA Protects <i>Escherichia coli</i> against the Combination of Hypochlorous Acid and Intracellular Copper. <i>MBio</i> , 2020, 11, .	4.1	17
53	Optimized methods for production and purification of Titanium-45. <i>Applied Radiation and Isotopes</i> , 2020, 166, 109398.	1.5	17
54	⁵⁵ Cobalt complexes with pendant carbohydrates as potential PET imaging agents. <i>Applied Radiation and Isotopes</i> , 2007, 65, 1303-1308.	1.5	16

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55	Cyclotron Production of ^{99m} Tc using ¹⁰⁰ Mo/ ² C targets. Nuclear Medicine and Biology, 2013, 40, 939-945.	0.6	16
56	Production and separation of ¹⁸⁶ gRe from proton bombardment of ¹⁸⁶ WC. Nuclear Medicine and Biology, 2015, 42, 530-535.	0.6	16
57	Microfluidic Preparation of a ⁸⁹ Zr-Labeled Trastuzumab Single-Patient Dose. Journal of Nuclear Medicine, 2016, 57, 747-752.	5.0	16
58	Radiosynthesis and Biological Distribution of ¹⁸ F-Labeled Perfluorinated Alkyl Substances. Environmental Science and Technology Letters, 2017, 4, 211-215.	8.7	16
59	New ⁵⁵ Co-labeled Albumin-Binding Folate Derivatives as Potential PET Agents for Folate Receptor Imaging. Pharmaceuticals, 2019, 12, 166.	3.8	16
60	Multilayer Microcapsules with Shell-Chelated ⁸⁹ Zr for PET Imaging and Controlled Delivery. ACS Applied Materials & Interfaces, 2020, 12, 56792-56804.	8.0	16
61	Improved production of ⁷⁶ Br, ⁷⁷ Br and ^{80m} Br via Co/Se cyclotron targets and vertical dry distillation. Nuclear Medicine and Biology, 2020, 80-81, 32-36.	0.6	15
62	Imaging of hypoxia in mouse atherosclerotic plaques with ⁶⁴ Cu-ATSM. Nuclear Medicine and Biology, 2016, 43, 534-542.	0.6	14
63	Evaluation of Cu-64 and Ga-68 Radiolabeled Glucagon-Like Peptide-1 Receptor Agonists as PET Tracers for Pancreatic ¹² cell Imaging. Molecular Imaging and Biology, 2016, 18, 90-98.	2.6	14
64	A new and simple calibration-independent method for measuring the beam energy of a cyclotron. Applied Radiation and Isotopes, 2011, 69, 247-253.	1.5	13
65	⁶⁴ Cu-ATSM Positron Emission Tomography/Magnetic Resonance Imaging of Hypoxia in Human Atherosclerosis. Circulation: Cardiovascular Imaging, 2020, 13, e009791.	2.6	13
66	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
67	Development of ⁸⁹ Zr-Ontuxizumab for <i>in vivo</i> TEM-1/Endosialin PET applications. Oncotarget, 2016, 7, 13082-13092.	1.8	13
68	IAEA Activities on ⁶⁷ Cu, ¹⁸⁶ Re, ⁴⁷ Sc Theranostic Radionuclides and Radiopharmaceuticals. Current Radiopharmaceuticals, 2021, 14, 306-314.	0.8	13
69	Specific activity measurement of ⁶⁴ Cu: A comparison of methods. Applied Radiation and Isotopes, 2014, 90, 117-121.	1.5	12
70	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
71	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
72	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

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73	Production of [⁸⁹ Zr]Oxinate 4 and cell radiolabeling for human use. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2021, 64, 209-216.	1.0	11
74	Positron Emission Tomography Imaging of Macrophages in Cancer. <i>Cancers</i> , 2021, 13, 1921.	3.7	11
75	Macrophage Rac2 Is Required to Reduce the Severity of Cigarette Smoke-induced Pneumonia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 1288-1301.	5.6	10
76	Harvesting ⁴⁸ V at the National Superconducting Cyclotron Laboratory. <i>Applied Radiation and Isotopes</i> , 2020, 157, 109023.	1.5	10
77	Comparative Uptake and Biological Distribution of [¹⁸ F]-Labeled C6 and C8 Perfluorinated Alkyl Substances in Pregnant Mice via Different Routes of Administration. <i>Environmental Science and Technology Letters</i> , 2020, 7, 665-671.	8.7	10
78	Production, Purification, and Applications of a Potential Theranostic Pair: Cobalt-55 and Cobalt-58m. <i>Diagnostics</i> , 2021, 11, 1235.	2.6	10
79	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
80	Preclinical Evaluation of the Novel Monoclonal Antibody H6-11 for Prostate Cancer Imaging. <i>Molecular Pharmaceutics</i> , 2013, 10, 3655-3664.	4.6	9
81	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
82	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
83	Production of ⁵² Mn using a semi-automated module. <i>Applied Radiation and Isotopes</i> , 2021, 174, 109741.	1.5	9
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	[⁸⁹ Zr]-Pertuzumab PET Imaging Reveals Paclitaxel Treatment Efficacy Is Positively Correlated with HER2 Expression in Human Breast Cancer Xenograft Mouse Models. <i>Molecules</i> , 2021, 26, 1568.	3.8	8
86	Leveraging copper import by yersiniabactin siderophore system for targeted PET imaging of bacteria. <i>JCI Insight</i> , 2021, 6, .	5.0	8
87	Evaluation of ¹⁷⁷ Lu and ⁴⁷ Sc Picag-Linked, Prostate-Specific Membrane Antigen-Targeting Constructs for Their Radiotherapeutic Efficacy and Dosimetry. <i>Molecular Pharmaceutics</i> , 2021, 18, 4511-4519.	4.6	8
88	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
89	Pretargeted Immuno-PET: Overcoming Limitations of Space and Time. <i>Journal of Nuclear Medicine</i> , 2016, 57, 332-333.	5.0	7
90	Radiolabeled Cationic Peptides for Targeted Imaging of Infection. <i>Contrast Media and Molecular Imaging</i> , 2019, 2019, 1-11.	0.8	7

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91	Aqueous harvesting of ^{88}Zr at a radioactive-ion-beam facility for cross-section measurements. <i>Physical Review C</i> , 2021, 103, .	2.9	7
92	A General Design Strategy Enabling the Synthesis of Hydrolysis-Resistant, Water-Stable Titanium(IV) Complexes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	7
93	An alternate approach to the production of radioisotopes for nuclear medicine applications. <i>Review of Scientific Instruments</i> , 2013, 84, 034705.	1.3	6
94	A novel anti-angiogenic radio/photo sensitizer for prostate cancer imaging and therapy: ^{89}Zr -Pt@TiO ₂ -SPHINX, synthesis and in vitro evaluation. <i>Nuclear Medicine and Biology</i> , 2021, 94-95, 20-31.	0.6	6
95	^{45}Ti targeted tracers for PET imaging of PSMA. <i>Nuclear Medicine and Biology</i> , 2022, 108-109, 16-23.	0.6	6
96	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
97	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
98	Interactions between knockout of schizophrenia risk factor Dysbindin-1 and copper metabolism in mice. <i>Brain Research Bulletin</i> , 2020, 164, 339-349.	3.0	5
99	A heavy-ion production channel of ^{149}Tb via ^{63}Cu bombardment of ^{89}Y . <i>Applied Radiation and Isotopes</i> , 2021, 178, 109935.	1.5	5
100	Modulation of the Tumor Microenvironment with Trastuzumab Enables Radiosensitization in HER2+ Breast Cancer. <i>Cancers</i> , 2022, 14, 1015.	3.7	5
101	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
102	Preclinical Positron Emission Tomographic Imaging of Acute Hyperoxia Therapy of Chronic Hypoxia during Pregnancy. <i>Molecular Imaging</i> , 2015, 14, 7290.2015.00013.	1.4	3
103	Radiochlorine: an underutilized halogen tool. <i>Radiochimica Acta</i> , 2019, 107, 1027-1031.	1.2	2
104	Production of ^{15}O for Medical Applications via the $^{16}\text{O}(\text{i}^3, \text{n})^{15}\text{O}$ Reaction. <i>Journal of Nuclear Medicine</i> , 2019, 60, 424-428.	5.0	2
105	Novel multimodal molecular imaging of Vitamin H (Biotin) transporter activity in the murine placenta. <i>Scientific Reports</i> , 2020, 10, 20767.	3.3	2
106	Novel Tracers and Radionuclides in PET Imaging. <i>Radiologic Clinics of North America</i> , 2021, 59, 887-918.	1.8	2
107	Methods for the Production of Radionuclides for Medicine. , 2019, , 63-83.		1
108	Global access to medical imaging and nuclear medicine. <i>Lancet Oncology</i> , The, 2021, 22, 425-426.	10.7	1

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109	A General Design Strategy Enabling the Synthesis of Hydrolysis-Resistant, Water-Stable Titanium(IV) Complexes. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	1
110	Preface: 14th International Workshop on Targetry and Target Chemistry (WTTC). , 2012, , .		0
111	Essential Metal Uptake in Gram-negative Bacteria: X-ray Fluorescence, Radioisotopes, and Cell Fractionation. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	0
112	Real-Time Gain Control of PET Detectors and Evaluation With Challenging Radionuclides. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 71-80.	8.9	0
113	Meet the advisors - Suzy Lapi. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2022, 65, 25-27.	1.0	0