

Timothy R Degrado

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Dynamic Imaging of Chimeric Antigen Receptor T Cells with [¹⁸ F]Tetrafluoroborate Positron Emission Tomography/Computed Tomography. <i>Journal of Visualized Experiments</i> , 2022, , .	0.3	0
2	Design, Synthesis, and Preliminary Evaluation of [⁶⁸ Ga]Ga-NOTA-Insulin as a PET Probe in an Alzheimer's Disease Mouse Model. <i>Bioconjugate Chemistry</i> , 2022, 33, 892-906.	3.6	6
3	A new solid target design for the production of Zr and radiosynthesis of high molar activity [Zr]Zr-DBN. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 12, 15-24.	1.0	0
4	Evaluation of Zn, Cu, and Se Levels in the North American Autism Spectrum Disorder Population. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 665686.	2.9	12
5	Development of a Clinically Relevant Reporter for Chimeric Antigen Receptor T-cell Expansion, Trafficking, and Toxicity. <i>Cancer Immunology Research</i> , 2021, 9, 1035-1046.	3.4	14
6	Non-invasive immunoPET imaging of PD-L1 using anti-PD-L1-B11 in breast cancer and melanoma tumor model. <i>Nuclear Medicine and Biology</i> , 2021, 100-101, 4-11.	0.6	6
7	Cyclotron Production of PET Radiometals in Liquid Targets: Aspects and Prospects. <i>Current Radiopharmaceuticals</i> , 2021, 14, 325-339.	0.8	13
8	Enhanced noninvasive imaging of oncology models using the NIS reporter gene and bioluminescence imaging. <i>Cancer Gene Therapy</i> , 2020, 27, 179-188.	4.6	17
9	Radiation induced oxidation of [¹⁸ F]fluorothia fatty acids under cGMP manufacturing conditions. <i>Nuclear Medicine and Biology</i> , 2020, 80-81, 13-23.	0.6	2
10	Ex Vivo Cell Therapy by Ectopic Hepatocyte Transplantation Treats the Porcine Tyrosinemia Model of Acute Liver Failure. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 18, 738-750.	4.1	8
11	Catechol-Based Functionalizable Ligands for Gallium-68 Positron Emission Tomography Imaging. <i>Inorganic Chemistry</i> , 2020, 59, 12025-12038.	4.0	9
12	[⁸⁹ Zr]Zr-DBN labeled cardiopoietic stem cells proficient for heart failure. <i>Nuclear Medicine and Biology</i> , 2020, 90-91, 23-30.	0.6	14
13	Dual-Isotope SPECT Imaging with NIS Reporter Gene and Duramycin to Visualize Tumor Susceptibility to Oncolytic Virus Infection. <i>Molecular Therapy - Oncolytics</i> , 2019, 15, 178-185.	4.4	7
14	Cyclotron production of ⁶⁸ Ga in a liquid target: Effects of solution composition and irradiation parameters. <i>Nuclear Medicine and Biology</i> , 2019, 74-75, 49-55.	0.6	38
15	Noninvasive evaluation of fat-carbohydrate metabolic switching in heart and contracting skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E251-E259.	3.5	0
16	Synthesis and evaluation of ¹⁸ F-hexafluorophosphate as a novel PET probe for imaging of sodium/iodide symporter in a murine C6-glioma tumor model. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 225-231.	3.0	18
17	New transgenic NIS reporter rats for longitudinal tracking of fibrogenesis by high-resolution imaging. <i>Scientific Reports</i> , 2018, 8, 14209.	3.3	2
18	[¹⁸ F]Tetrafluoroborate ([¹⁸ F]TFB) and its analogs for PET imaging of the sodium/iodide symporter. <i>Theranostics</i> , 2018, 8, 3918-3931.	10.0	46

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19	Hepatocyte spheroids as an alternative to single cells for transplantation after ex vivo gene therapy in mice and pig models. <i>Surgery</i> , 2018, 164, 473-481.	1.9	16
20	Safety, pharmacokinetics, metabolism and radiation dosimetry of ¹⁸ F-tetrafluoroborate (¹⁸ F-TFB) in healthy human subjects. <i>EJNMMI Research</i> , 2017, 7, 90.	2.5	25
21	Glycogen Synthase Kinase-3 (GSK-3)-Targeted Therapy and Imaging. <i>Theranostics</i> , 2016, 6, 571-593.	10.0	141
22	First PET Imaging Studies With ⁶³ Zn-Zinc Citrate in Healthy Human Participants and Patients With Alzheimer Disease. <i>Molecular Imaging</i> , 2016, 15, 153601211667379.	1.4	22
23	Improved production and processing of ⁸⁹ Zr using a solution target. <i>Nuclear Medicine and Biology</i> , 2016, 43, 97-100.	0.6	30
24	Tracking and Therapeutic Value of Human Adipose Tissue-derived Mesenchymal Stem Cell Transplantation in Reducing Venous Neointimal Hyperplasia Associated with Arteriovenous Fistula. <i>Radiology</i> , 2016, 279, 513-522.	7.3	32
25	Curative ex vivo liver-directed gene therapy in a pig model of hereditary tyrosinemia type 1. <i>Science Translational Medicine</i> , 2016, 8, 349ra99.	12.4	56
26	Synthesis of ¹⁸ F-Tetrafluoroborate via Radiofluorination of Boron Trifluoride and Evaluation in a Murine C6-Glioma Tumor Model. <i>Journal of Nuclear Medicine</i> , 2016, 57, 1454-1459.	5.0	27
27	Imaging of myocardial fatty acid oxidation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 1535-1543.	2.4	24
28	Novel ⁸⁹ Zr cell labeling approach for PET-based cell trafficking studies. <i>EJNMMI Research</i> , 2015, 5, 19.	2.5	107
29	Production and transport of gaseous ¹⁸ F-synthons: ¹⁸ F-acyl fluorides. <i>Journal of Fluorine Chemistry</i> , 2015, 180, 181-185.	1.7	8
30	Preparation and Preliminary Evaluation of ⁶³ Zn-Zinc Citrate as a Novel PET Imaging Biomarker for Zinc. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1348-1354.	5.0	25
31	Synthesis and Preliminary Evaluation of <i>N</i> -(16- ¹⁸ F-Fluorohexadecanoyl)ethanolamine (¹⁸ F-FHEA) as a PET Probe of <i>N</i> -Acylethanolamine Metabolism in Mouse Brain. <i>ACS Chemical Neuroscience</i> , 2014, 5, 793-802.	3.5	9
32	Production of ⁸⁹ Zr via the ⁸⁹ Y(p,n) ⁸⁹ Zr reaction in aqueous solution: Effect of solution composition on in-target chemistry. <i>Nuclear Medicine and Biology</i> , 2014, 41, 309-316.	0.6	54
33	Cyclotron production of ⁶⁸ Ga via the ⁶⁸ Zn(p,n) ⁶⁸ Ga reaction in aqueous solution. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 4, 303-10.	1.0	36
34	Synthesis and Preliminary Evaluation of ¹⁸ F-Fluoro-4-Thia-Oleate as a PET Probe of Fatty Acid Oxidation. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1310-1317.	5.0	45