

Lukas Carter

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

948
citations

567281

15
h-index

454955

30
g-index

39
all docs

39
docs citations

39
times ranked

1655
citing authors

#	ARTICLE	IF	CITATIONS
1	Radioimmunotherapy Targeting Delta-like Ligand 3 in Small Cell Lung Cancer Exhibits Antitumor Efficacy with Low Toxicity. <i>Clinical Cancer Research</i> , 2022, 28, 1391-1401.	7.0	19
2	PET Imaging of Acidic Tumor Environment With ⁸⁹ Zr-labeled pHILIP Probes. <i>Frontiers in Oncology</i> , 2022, 12, .	2.8	11
3	Delta-like ligand 3â€“targeted radioimmunotherapy for neuroendocrine prostate cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	17
4	Imaging Early-Stage Metastases Using an ¹⁸ F-Labeled VEGFR-1-Specific Single Chain VEGF Mutant. <i>Molecular Imaging and Biology</i> , 2021, 23, 340-349.	2.6	6
5	Technical Note: Patientâ€“morphed meshâ€“type phantoms to support personalized nuclear medicine dosimetry â€” a proof of concept study. <i>Medical Physics</i> , 2021, 48, 2018-2026.	3.0	2
6	REPLY TO LETTER TO THE EDITOR: POTENTIAL USE OF RADIOLABELED ANTIBODIES FOR IMAGING AND TREATMENT OF COVID-19. <i>Journal of Nuclear Medicine</i> , 2021, 62, jnumed.121.261950.	5.0	0
7	Engineered Cells as a Test Platform for Radiohaptens in Pretargeted Imaging and Radioimmunotherapy Applications. <i>Bioconjugate Chemistry</i> , 2021, 32, 649-654.	3.6	6
8	Patient Size-Dependent Dosimetry Methodology Applied to ¹⁸ F-FDG Using New ICRP Mesh Phantoms. <i>Journal of Nuclear Medicine</i> , 2021, 62, 1805-1814.	5.0	7
9	Personalized dosimetry of ¹⁷⁷ Lu-DOTATATE: a comparison of organ- and voxel-level approaches using open-access images. <i>Biomedical Physics and Engineering Express</i> , 2021, 7, 057002.	1.2	4
10	Imaging of Cancer ^{Î³} -Secretase Activity Using an Inhibitor-Based PET Probe. <i>Clinical Cancer Research</i> , 2021, 27, 6145-6155.	7.0	8
11	The Impact of Positron Range on PET Resolution, Evaluated with Phantoms and PHITS Monte Carlo Simulations for Conventional and Non-conventional Radionuclides. <i>Molecular Imaging and Biology</i> , 2020, 22, 73-84.	2.6	50
12	An ⁸⁹ Zr-HDL PET Tracer Monitors Response to a CSF1R Inhibitor. <i>Journal of Nuclear Medicine</i> , 2020, 61, 433-436.	5.0	25
13	Delivery of polymeric nanostars for molecular imaging and endoradiotherapy through the enhanced permeability and retention (EPR) effect. <i>Theranostics</i> , 2020, 10, 567-584.	10.0	63
14	CAR Chase: Where Do Engineered Cells Go in Humans?. <i>Frontiers in Oncology</i> , 2020, 10, 577773.	2.8	7
15	Oncology-Inspired Treatment Options for COVID-19. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1720-1723.	5.0	15
16	pHILIP ICG for delineation of tumors and blood flow during fluorescence-guided surgery. <i>Scientific Reports</i> , 2020, 10, 18356.	3.3	19
17	First-in-Humans Trial of Dasatinib-Derivative Tracer for Tumor Kinase-Targeted PET. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1580-1587.	5.0	5
18	CD38-targeted Immuno-PET of Multiple Myeloma: From Xenograft Models to First-in-Human Imaging. <i>Radiology</i> , 2020, 295, 606-615.	7.3	73

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19	iNOS Regulates the Therapeutic Response of Pancreatic Cancer Cells to Radiotherapy. <i>Cancer Research</i> , 2020, 80, 1681-1692.	0.9	31
20	Targeted Brain Tumor Radiotherapy Using an Auger Emitter. <i>Clinical Cancer Research</i> , 2020, 26, 2871-2881.	7.0	69
21	Fluorescence labeling of a NaV1.7-targeted peptide for near-infrared nerve visualization. <i>EJNMMI Research</i> , 2020, 10, 49.	2.5	10
22	3D-Printable Platform for High-Throughput Small-Animal Imaging. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1691-1692.	5.0	3
23	Temporal Modulation of HER2 Membrane Availability Increases Pertuzumab Uptake and Pretargeted Molecular Imaging of Gastric Tumors. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1569-1578.	5.0	27
24	PARaDIM: A PHITS-Based Monte Carlo Tool for Internal Dosimetry with Tetrahedral Mesh Computational Phantoms. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1802-1811.	5.0	27
25	Leveraging Bioorthogonal Click Chemistry to Improve ²²⁵ Ac-Radioimmunotherapy of Pancreatic Ductal Adenocarcinoma. <i>Clinical Cancer Research</i> , 2019, 25, 868-880.	7.0	55
26	Metal-based Radiotherapeutics. 2-Oxoglutarate-Dependent Oxygenases, 2019, , 271-307.	0.8	0
27	Preclinical optimization of antibody-based radiopharmaceuticals for cancer imaging and radionuclide therapy—Model, vector, and radionuclide selection. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2018, 61, 611-635.	1.0	24
28	PARP-1 Targeted Radiotherapy in Mouse Models of Glioblastoma. <i>Journal of Nuclear Medicine</i> , 2018, 59, 1225-1233.	5.0	51
29	ICP-MS measurement of silver diffusion coefficient in graphite IG-110 between 1048K and 1284K. <i>Journal of Nuclear Materials</i> , 2018, 498, 44-49.	2.7	7
30	Caveolin-1 mediates cellular distribution of HER2 and affects trastuzumab binding and therapeutic efficacy. <i>Nature Communications</i> , 2018, 9, 5137.	12.8	78
31	Antibody with Infinite Affinity for In Vivo Tracking of Genetically Engineered Lymphocytes. <i>Journal of Nuclear Medicine</i> , 2018, 59, 1894-1900.	5.0	36
32	Sorption of Ag and its vaporization from graphite at high temperatures. <i>Journal of Nuclear Materials</i> , 2017, 493, 132-146.	2.7	5
33	Multiplexed imaging for diagnosis and therapy. <i>Nature Biomedical Engineering</i> , 2017, 1, 697-713.	22.5	133
34	Diffusion of cesium and iodine in compressed IG-110 graphite compacts. <i>Journal of Nuclear Materials</i> , 2016, 476, 30-35.	2.7	10
35	Calibration of a system for measurements of diffusion coefficients of fission products in HTGR/VHTR core materials. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 307, 1771-1775.	1.5	6
36	ICP-MS measurement of iodine diffusion in IG-110 graphite for HTGR/VHTR. <i>Journal of Nuclear Materials</i> , 2016, 473, 218-222.	2.7	9

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37	ICP-MS measurement of diffusion coefficients of Cs in NBG-18 graphite. Journal of Nuclear Materials, 2015, 466, 402-408.	2.7	11
38	Measurement of cesium diffusion coefficients in graphite IG-110. Journal of Nuclear Materials, 2015, 460, 30-36.	2.7	16