Stephen A Graves

List of Publications by Year
in descending order

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67	2,232	186265	233421
papers	citations	28 h-index	45 g-index

68	68	68	3489
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantification of uptake in pelvis Fâ€18 FLT PETâ€CT images using a 3D localization and segmentation CNN. Medical Physics, 2022, 49, 1585-1598.	3.0	6
2	SIR-Spheres activity measurements reveal systematic miscalibration. Journal of Nuclear Medicine, 2022, , jnumed.121.262650.	5.0	5
3	Monte Carlo evaluation of hypothetical long axial fieldâ€ofâ€view PET scanner using GE Discovery MI PET frontâ€end architecture. Medical Physics, 2022, 49, 1139-1152.	3.0	7
4	The Impact of Radiopharmaceutical Therapy on Renal Function. Seminars in Nuclear Medicine, 2022, 52, 467-474.	4.6	9
5	Practical Considerations for Implementation of¹⁷⁷Lu-DOTATATE Neuroendocrine Tumor Treatment Programs. Journal of Nuclear Medicine Technology, 2022, 50, 195-202.	0.8	0
6	Radiopharmaceutical Chemistry and Drug Developmentâ€"What's Changed?. Seminars in Radiation Oncology, 2021, 31, 3-11.	2.2	11
7	Dosimetry for Optimized, Personalized Radiopharmaceutical Therapy. Seminars in Radiation Oncology, 2021, 31, 37-44.	2.2	17
8	Addition of ¹³¹I-MIBG to PRRT (⁹⁰Y-DOTATOC) for Personalized Treatment of Selected Patients with Neuroendocrine Tumors. Journal of Nuclear Medicine, 2021, 62, 1274-1277.	5.0	11
9	Imaging and dosimetric characteristics of ⁶⁷ Cu. Physics in Medicine and Biology, 2021, 66, 035002.	3.0	17
10	Proton-induced reactions on Fe, Cu, and Ti from threshold to 55 MeV. European Physical Journal A, 2021, 57, 1.	2.5	5
11	Half-life of ⁶⁷Cu. Journal of Physics Communications, 2021, 5, 085007.	1.2	3
12	Prostate-Specific Membrane Antigen (PSMA) Theranostics for Treatment of Oligometastatic Prostate Cancer. International Journal of Molecular Sciences, 2021, 22, 12095.	4.1	13
13	Tumor Response to Radiopharmaceutical Therapies: The Knowns and the Unknowns. Journal of Nuclear Medicine, 2021, 62, 12S-22S.	5.0	14
14	Dosimetry for Radiopharmaceutical Therapy: Current Practices and Commercial Resources. Journal of Nuclear Medicine, 2021, 62, 3S-11S.	5.0	19
15	Reimbursement Approaches for Radiopharmaceutical Dosimetry: Current Status and Future Opportunities. Journal of Nuclear Medicine, 2021, 62, 48S-59S.	5.0	11
16	Absorbed dose distributions from betaâ€decaying radionuclides: Experimental validation of Monte Carlo tools for radiopharmaceutical dosimetry. Medical Physics, 2020, 47, 5779-5790.	3.0	5
17	Polyazamacrocycle Ligands Facilitate ⁸⁹Zr Radiochemistry and Yield ⁸⁹Zr Complexes with Remarkable Stability. Inorganic Chemistry, 2020, 59, 17473-17487.	4.0	13
18	Commissioning of a 1.5T Elekta Unity MRâ€linac: A single institution experience. Journal of Applied Clinical Medical Physics, 2020, 21, 160-172.	1.9	61

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19	203/212Pb Theranostic Radiopharmaceuticals for Image-guided Radionuclide Therapy for Cancer. Current Medicinal Chemistry, 2020, 27, 7003-7031.	2.4	23
20	Dose point kernels for 2,174 radionuclides. Medical Physics, 2019, 46, 5284-5293.	3.0	25
21	Isotope harvesting at FRIB: additional opportunities for scientific discovery. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 100501.	3.6	35
22	Commissioning and performance evaluation of RadCalc for the Elekta unity MRIâ€linac. Journal of Applied Clinical Medical Physics, 2019, 20, 54-62.	1.9	30
23	Evaluation of a chloride-based 89Zr isolation strategy using a tributyl phosphate (TBP)-functionalized extraction resin. Nuclear Medicine and Biology, 2018, 64-65, 1-7.	0.6	17
24	In Vivo Tumor-Targeted Dual-Modality PET/Optical Imaging with a Yolk/Shell-Structured Silica Nanosystem. Nano-Micro Letters, 2018, 10, 65.	27.0	31
25	Intrinsically Zirconium-89-Labeled Manganese Oxide Nanoparticles for In Vivo Dual-Modality Positron Emission Tomography and Magnetic Resonance Imaging. Journal of Biomedical Nanotechnology, 2018, 14, 900-909.	1.1	29
26	Excitation functions for (p,x) reactions of niobium in the energy range of Epâ€¯=â€¯40â€“90â€¯MeV. Nuclear Instruments & Methods in Physics Research B, 2018, 429, 53-74.	1.4	15
27	Radiomanganese PET Detects Changes in Functional Î²-Cell Mass in Mouse Models of Diabetes. Diabetes, 2017, 66, 2163-2174.	0.6	32
28	Preparation and in vivo characterization of 51MnCl2 as PET tracer of Ca2+ channel-mediated transport. Scientific Reports, 2017, 7, 3033.	3.3	22
29	CD38 as a PET Imaging Target in Lung Cancer. Molecular Pharmaceutics, 2017, 14, 2400-2406.	4.6	25
30	ImmunoPET and Near-Infrared Fluorescence Imaging of Pancreatic Cancer with a Dual-Labeled Bispecific Antibody Fragment. Molecular Pharmaceutics, 2017, 14, 1646-1655.	4.6	36
31	Optimized procedures for manganese-52: Production, separation and radiolabeling. Applied Radiation and Isotopes, 2017, 121, 38-43.	1.5	37
32	Radiolabeled, Antibody-Conjugated Manganese Oxide Nanoparticles for Tumor Vasculature Targeted Positron Emission Tomography and Magnetic Resonance Imaging. ACS Applied Materials & Interfaces, 2017, 9, 38304-38312.	8.0	47
33	Cyclotron production and radiochemical separation of 55Co and 58mCo from 54Fe, 58Ni and 57Fe targets. Applied Radiation and Isotopes, 2017, 130, 90-101.	1.5	30
34	Half-life of Mn51. Physical Review C, 2017, 96, .	2.9	4
35	Simplified and reproducible radiochemical separations for the production of high specific activity 61Cu, 64Cu, 86Y and 55Co. AIP Conference Proceedings, 2017, , .	0.4	3
36	Earth, air, fire and water: A targetry quartet. AIP Conference Proceedings, 2017, , .	0.4	1

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37	Preclinical Pharmacokinetics and Biodistribution Studies of ⁸⁹Zr-Labeled Pembrolizumab. Journal of Nuclear Medicine, 2017, 58, 162-168.	5.0	152
38	Radiobromine production, isolation and radiosynthesis for the development of a novel prostate cancer radiotherapeutic agent. AIP Conference Proceedings, 2017, , .	0.4	2
39	Auger electron-based targeted radioimmunotherapy with 58mCo, a feasibility study. AIP Conference Proceedings, 2016, , .	0.4	6
40	Dynamic Positron Emission Tomography Imaging of Renal Clearable Gold Nanoparticles. Small, 2016, 12, 2775-2782.	10.0	66
41	Dual Targeting of Tissue Factor and CD105 for Preclinical PET Imaging of Pancreatic Cancer. Clinical Cancer Research, 2016, 22, 3821-3830.	7.0	30
42	Long circulating reduced graphene oxideâ€“iron oxide nanoparticles for efficient tumor targeting and multimodality imaging. Nanoscale, 2016, 8, 12683-12692.	5.6	58
43	Spot-welding solid targets for high current cyclotron irradiation. Applied Radiation and Isotopes, 2016, 118, 350-353.	1.5	13
44	Nuclear excitation functions of proton-induced reactions (Ep= 35â€“90 MeV) from Fe, Cu, and Al. Nuclear Instruments & Methods in Physics Research B, 2016, 386, 44-53.	1.4	19
45	Engineering Intrinsically Zirconiumâ€89 Radiolabeled Selfâ€Destructing Mesoporous Silica Nanostructures for In Vivo Biodistribution and Tumor Targeting Studies. Advanced Science, 2016, 3, 1600122.	11.2	70
46	Uptake and retention of manganese contrast agents for PET and MRI in the rodent brain. Contrast Media and Molecular Imaging, 2016, 11, 371-380.	0.8	22
47	ImmunoPET for assessing the differential uptake of a CD146-specific monoclonal antibody in lung cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 2169-2179.	6.4	23
48	Accelerated Blood Clearance Phenomenon Reduces the Passive Targeting of PEGylated Nanoparticles in Peripheral Arterial Disease. ACS Applied Materials & Interfaces, 2016, 8, 17955-17963.	8.0	48
49	Re-assessing the enhanced permeability and retention effect in peripheral arterial disease using radiolabeled long circulating nanoparticles. Biomaterials, 2016, 100, 101-109.	11.4	61
50	PET Imaging of VEGFR-2 Expression in Lung Cancer with ⁶⁴Cu-Labeled Ramucirumab. Journal of Nuclear Medicine, 2016, 57, 285-290.	5.0	30
51	A porphyrin-PEG polymer with rapid renal clearance. Biomaterials, 2016, 76, 25-32.	11.4	60
52	Development of a novel linearly-filled Derenzo microPET phantom. American Journal of Nuclear Medicine and Molecular Imaging, 2016, 6, 199-204.	1.0	7
53	⁵²Mn Production for PET/MRI Tracking Of Human Stem Cells Expressing Divalent Metal Transporter 1 (DMT1). Theranostics, 2015, 5, 227-239.	10.0	80
54	PET of Follicle-Stimulating Hormone Receptor: Broad Applicability to Cancer Imaging. Molecular Pharmaceutics, 2015, 12, 403-410.	4.6	23

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55	Red Fluorescent Zinc Oxide Nanoparticle: A Novel Platform for Cancer Targeting. ACS Applied Materials & Interfaces, 2015, 7, 3373-3381.	8.0	84
56	Hexamodal Imaging with Porphyrinâ€Phospholipidâ€Coated Upconversion Nanoparticles. Advanced Materials, 2015, 27, 1785-1790.	21.0	189
57	PET Imaging of Abdominal Aortic Aneurysm with ⁶⁴Cu-Labeled Anti-CD105 Antibody Fab Fragment. Journal of Nuclear Medicine, 2015, 56, 927-932.	5.0	35
58	ImmunoPET of tissue factor expression in triple-negative breast cancer with a radiolabeled antibody Fab fragment. European Journal of Nuclear Medicine and Molecular Imaging, 2015, 42, 1295-1303.	6.4	36
59	PET of c-Met in Cancer with ⁶⁴Cu-Labeled Hepatocyte Growth Factor. Journal of Nuclear Medicine, 2015, 56, 758-763.	5.0	21
60	In Vivo Tumor Vasculature Targeting of CuS@MSN Based Theranostic Nanomedicine. ACS Nano, 2015, 9, 3926-3934.	14.6	155
61	Noninvasive brain cancer imaging with a bispecific antibody fragment, generated via click chemistry. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12806-12811.	7.1	54
62	Novel Preparation Methods of ⁵²Mn for ImmunoPET Imaging. Bioconjugate Chemistry, 2015, 26, 2118-2124.	3.6	74
63	Evaluation of two novel 64Cu-labeled RGD peptide radiotracers for enhanced PET imaging of tumor integrin Î±vÎ²3. European Journal of Nuclear Medicine and Molecular Imaging, 2015, 42, 1859-1868.	6.4	17
64	Development and characterization of a hexamodal imaging nanoparticle. , 2015, , .		0
65	Targeting CD146 with a ⁶⁴ Cu-labeled antibody enables in vivo immunoPET imaging of high-grade gliomas. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6525-34.	7.1	54
66	Separation of cyclotron-produced 44Sc from a natural calcium target using a dipentyl pentylphosphonate functionalized extraction resin. Applied Radiation and Isotopes, 2015, 95, 23-29.	1.5	66
67	Generation and Screening of Monoclonal Antibodies for ImmunoPET Imaging of IGF1R in Prostate Cancer. Molecular Pharmaceutics, 2014, 11, 3624-3630.	4.6	7