

Francois Benard

List of Publications by Year in descending order

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247
papers

7,861
citations

50276

46
h-index

74163

75
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259
all docs

259
docs citations

259
times ranked

7047
citing authors

#	ARTICLE	IF	CITATIONS
1	F-18-Fluorodeoxyglucose Positron Emission Tomography Imaging-Assisted Management of Patients With Severe Left Ventricular Dysfunction and Suspected Coronary Disease. <i>Journal of the American College of Cardiology</i> , 2007, 50, 2002-2012.	2.8	403
2	Dual time point fluorine-18 fluorodeoxyglucose positron emission tomography: a potential method to differentiate malignancy from inflammation and normal tissue in the head and neck. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1999, 26, 1345.	2.1	261
3	Metabolic Imaging of Malignant Pleural Mesothelioma With Fluorodeoxyglucose Positron Emission Tomography. <i>Chest</i> , 1998, 114, 713-722.	0.8	237
4	Whole-body FDG-PET imaging in the management of patients with cancer. <i>Seminars in Nuclear Medicine</i> , 2002, 32, 35-46.	4.6	178
5	Imaging gliomas with positron emission tomography and single-photon emission computed tomography. <i>Seminars in Nuclear Medicine</i> , 2003, 33, 148-162.	4.6	159
6	Increasing Benefit From Revascularization Is Associated With Increasing Amounts of Myocardial Hibernation. <i>JACC: Cardiovascular Imaging</i> , 2009, 2, 1060-1068.	5.3	159
7	Respiratory gating for 3-dimensional PET of the thorax: feasibility and initial results. <i>Journal of Nuclear Medicine</i> , 2004, 45, 214-9.	5.0	143
8	An Organotrifluoroborate for Broadly Applicable One-Step ¹⁸ F-Labeling. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11876-11880.	13.8	139
9	A multicentre comparison of quantitative 90Y PET/CT for dosimetric purposes after radioembolization with resin microspheres. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 42, 1202-1222.	6.4	131
10	¹⁸ F-Fluorination of Unactivated C-H Bonds in Branched Aliphatic Amino Acids: Direct Synthesis of Oncological Positron Emission Tomography Imaging Agents. <i>Journal of the American Chemical Society</i> , 2017, 139, 3595-3598.	13.7	119
11	Superiority of Iodine-123 Compared with Iodine-131 Scanning for Thyroid Remnants in Patients with Differentiated Thyroid Cancer. <i>Clinical Nuclear Medicine</i> , 2001, 26, 6-9.	1.3	109
12	Cyclotron production of ^{99m} Tc: Experimental measurement of the ¹⁰⁰ Mo(p,x) ⁹⁹ Mo, ^{99m} Tc and ^{99g} Tc excitation functions from 8 to 18 MeV. <i>Nuclear Medicine and Biology</i> , 2011, 38, 907-916.	0.6	106
13	Detection of recurrent head and neck squamous cell carcinomas after radiation therapy with 2-18f-fluoro-2-deoxy-D-glucose positron emission tomography. <i>Laryngoscope</i> , 1999, 109, 970-975.	2.0	105
14	PHTHALOCYANINE AND NAPHTHALOCYANINE PHOTSENSITIZED OXIDATION OF 2-DEOXYGUANOSINE. <i>Photochemistry and Photobiology</i> , 1992, 55, 809-814.	2.5	101
15	Impact of Time-of-Flight PET on Whole-Body Oncologic Studies: A Human Observer Lesion Detection and Localization Study. <i>Journal of Nuclear Medicine</i> , 2011, 52, 712-719.	5.0	94
16	Can the standardized uptake value characterize primary brain tumors on FDG-PET?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1999, 26, 1501-1509.	6.4	87
17	Image-derived input function in dynamic human PET/CT: methodology and validation with ¹¹ C-acetate and ¹⁸ F-fluorothioheptadecanoic acid in muscle and ¹⁸ F-fluorodeoxyglucose in brain. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010, 37, 1539-1550.	6.4	86
18	A Prospective Study on ¹⁸ F-DCFPyL PSMA PET/CT Imaging in Biochemical Recurrence of Prostate Cancer. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1587-1593.	5.0	84

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19	Structure and activity of human TMPRSS2 protease implicated in SARS-CoV-2 activation. <i>Nature Chemical Biology</i> , 2022, 18, 963-971.	8.0	83
20	Implementation of Multi-Curie Production of ^{99m} Tc by Conventional Medical Cyclotrons. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1017-1022.	5.0	82
21	Novel Matrix Metalloproteinase Inhibitor [18F]Marimastat-Aryltrifluoroborate as a Probe for <i>In vivo</i> Positron Emission Tomography Imaging in Cancer. <i>Cancer Research</i> , 2010, 70, 7562-7569.	0.9	79
22	Imaging in breast cancer: Single-photon computed tomography and positron-emission tomography. <i>Breast Cancer Research</i> , 2005, 7, 153-62.	5.0	77
23	Tumour volume and high grade tumour volume are the best predictors of pathologic stage and biochemical recurrence after radical prostatectomy. <i>European Journal of Cancer</i> , 2007, 43, 536-543.	2.8	77
24	Evaluation of ⁶⁴ Cu-Labeled Bifunctional Chelate-Bombesin Conjugates. <i>Bioconjugate Chemistry</i> , 2011, 22, 1729-1735.	3.6	77
25	Preclinical Evaluation of a High-Affinity ¹⁸ F-Trifluoroborate Octreotate Derivative for Somatostatin Receptor Imaging. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1499-1505.	5.0	77
26	One-step ¹⁸ F labeling of biomolecules using organotrifluoroborates. <i>Nature Protocols</i> , 2015, 10, 1423-1432.	12.0	76
27	Enhancing Treatment Efficacy of ¹⁷⁷ Lu-PSMA-617 with the Conjugation of an Albumin-Binding Motif: Preclinical Dosimetry and Endoradiotherapy Studies. <i>Molecular Pharmaceutics</i> , 2018, 15, 5183-5191.	4.6	75
28	Prognostic value of FDG PET imaging in malignant pleural mesothelioma. <i>Journal of Nuclear Medicine</i> , 1999, 40, 1241-5.	5.0	75
29	Prognostic value of PET using ¹⁸ F-FDG in Hodgkin's disease for posttreatment evaluation. <i>Journal of Nuclear Medicine</i> , 2003, 44, 1225-31.	5.0	74
30	Bench to Bedside: Albumin Binders for Improved Cancer Radioligand Therapies. <i>Bioconjugate Chemistry</i> , 2019, 30, 487-502.	3.6	73
31	Automated synthesis of [18F]DCFPyL via direct radiofluorination and validation in preclinical prostate cancer models. <i>EJNMMI Research</i> , 2016, 6, 40.	2.5	71
32	Site-Selective, Late-Stage C-H ¹⁸ F-Fluorination on Unprotected Peptides for Positron Emission Tomography Imaging. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12733-12736.	13.8	71
33	¹⁸ F-labeled difluoroestradiols: preparation and preclinical evaluation as estrogen receptor-binding radiopharmaceuticals. <i>Steroids</i> , 2002, 67, 765-775.	1.8	68
34	Synthesis and evaluation of ¹⁸ F-labeled carbonic anhydrase IX inhibitors for imaging with positron emission tomography. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2014, 29, 249-255.	5.2	63
35	Long-Term Follow-Up of Outcomes With F-18-Fluorodeoxyglucose Positron Emission Tomography Imaging-Assisted Management of Patients With Severe Left Ventricular Dysfunction Secondary to Coronary Disease. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, .	2.6	60
36	Past, Present, and Future: Development of Theranostic Agents Targeting Carbonic Anhydrase IX. <i>Theranostics</i> , 2017, 7, 4322-4339.	10.0	59

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37	Long-term results of PET-guided radiation in patients with advanced-stage diffuse large B-cell lymphoma treated with R-CHOP. <i>Blood</i> , 2021, 137, 929-938.	1.4	57
38	Rapid washout of technetium-99m-MIBI from a large parathyroid adenoma. <i>Journal of Nuclear Medicine</i> , 1995, 36, 241-3.	5.0	56
39	An automated module for the separation and purification of cyclotron-produced $^{99m}\text{TcO}_4^-$. <i>Nuclear Medicine and Biology</i> , 2012, 39, 551-559.	0.6	53
40	^{44}gSc production using a water target on a 13MeV cyclotron. <i>Nuclear Medicine and Biology</i> , 2014, 41, 401-406.	0.6	52
41	^{18}F -AmBF ₃ -MJ9: A novel radiofluorinated bombesin derivative for prostate cancer imaging. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 1500-1506.	3.0	51
42	The deposition of smooth metallic molybdenum from aqueous electrolytes containing molybdate ions. <i>Electrochemistry Communications</i> , 2012, 15, 78-80.	4.7	50
43	Quantitative gated PET for the assessment of left ventricular function in small animals. <i>Journal of Nuclear Medicine</i> , 2003, 44, 1655-61.	5.0	50
44	PET Imaging of Carbonic Anhydrase IX Expression of HT-29 Tumor Xenograft Mice with ^{68}Ga -Labeled Benzenesulfonamides. <i>Molecular Pharmaceutics</i> , 2016, 13, 1137-1146.	4.6	49
45	Monosodium Glutamate Reduces ^{68}Ga -PSMA-11 Uptake in Salivary Glands and Kidneys in a Preclinical Prostate Cancer Model. <i>Journal of Nuclear Medicine</i> , 2018, 59, 1865-1868.	5.0	49
46	Singles transmission scans performed post-injection for quantitative whole body PET imaging. <i>IEEE Transactions on Nuclear Science</i> , 1997, 44, 1329-1335.	2.0	48
47	Trimeric Radiofluorinated Sulfonamide Derivatives to Achieve In Vivo Selectivity for Carbonic Anhydrase IX-Targeted PET Imaging. <i>Journal of Nuclear Medicine</i> , 2015, 56, 1434-1440.	5.0	48
48	<i>In Vivo</i> Radioimaging of Bradykinin Receptor B1, a Widely Overexpressed Molecule in Human Cancer. <i>Cancer Research</i> , 2015, 75, 387-393.	0.9	48
49	Fluorescent Isoindole Crosslink (FLiCk) Chemistry: A Rapid, User-Friendly Stapling Reaction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14120-14124.	13.8	47
50	Machine Learning in Nuclear Medicine: Part 1-Introduction. <i>Journal of Nuclear Medicine</i> , 2019, 60, 451-458.	5.0	47
51	Theoretical modeling of yields for proton-induced reactions on natural and enriched molybdenum targets. <i>Physics in Medicine and Biology</i> , 2011, 56, 5469-5484.	3.0	46
52	Direct Production of ^{99m}Tc via $^{100}\text{Mo}(p,2n)$ on Small Medical Cyclotrons. <i>Physics Procedia</i> , 2015, 66, 383-395.	1.2	46
53	Outcome of primary mediastinal large B-cell lymphoma using R-CHOP: impact of a PET-adapted approach. <i>Blood</i> , 2020, 136, 2803-2811.	1.4	46
54	Insight into the Development of PET Radiopharmaceuticals for Oncology. <i>Cancers</i> , 2020, 12, 1312.	3.7	46

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55	Breast cancer models to study the expression of estrogen receptors with small animal PET imaging. <i>Nuclear Medicine and Biology</i> , 2004, 31, 761-770.	0.6	45
56	Effects of Linker Modification on Tumor-to-Kidney Contrast of ⁶⁸ Ga-Labeled PSMA-Targeted Imaging Probes. <i>Molecular Pharmaceutics</i> , 2018, 15, 3502-3511.	4.6	45
57	The Effect of Insulin on the Intracellular Distribution of 14(R,S)-[18F]Fluoro-6-thia-heptadecanoic Acid in Rats. <i>Molecular Imaging and Biology</i> , 2006, 8, 237-244.	2.6	43
58	A Small Animal Positron Emission Tomography Study of the Effect of Chemotherapy and Hormonal Therapy on the Uptake of 2-Deoxy-2-[F-18]fluoro-d-glucose in Murine Models of Breast Cancer. <i>Molecular Imaging and Biology</i> , 2007, 9, 144-150.	2.6	43
59	Production of Y-86 and other radiometals for research purposes using a solution target system. <i>Nuclear Medicine and Biology</i> , 2015, 42, 842-849.	0.6	42
60	Design, synthesis and evaluation of ¹⁸ F-labeled cationic carbonic anhydrase IX inhibitors for PET imaging. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017, 32, 722-730.	5.2	42
61	²²⁵ Ac-H ₄ py ₄ pa for Targeted Alpha Therapy. <i>Bioconjugate Chemistry</i> , 2021, 32, 1348-1363.	3.6	42
62	Quantitative myocardial perfusion and coronary reserve in rats with ¹³ N-ammonia and small animal PET: impact of anesthesia and pharmacologic stress agents. <i>Journal of Nuclear Medicine</i> , 2004, 45, 1924-30.	5.0	42
63	Synthesis, characterization, and estrogen receptor binding affinity of flavone-, indole-, and furan-estradiol conjugates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 3212-3216.	2.2	41
64	Synthesis and Evaluation of a Macrocyclic Actinium- ²²⁵ Chelator, Quality Control and In Vivo Evaluation of ²²⁵ Ac-crown- ⁵ +MSH Peptide. <i>Chemistry - A European Journal</i> , 2020, 26, 11435-11440.	3.3	41
65	Optimization of Whole-Body Positron Emission Tomography Imaging by Using Delayed 2-Deoxy-2-[F-18]fluoro-d-glucose Injection Following I.V. Insulin in Diabetic Patients. <i>Molecular Imaging and Biology</i> , 2006, 8, 348-354.	2.6	40
66	Targeting gastrin-releasing peptide receptors of prostate cancer cells for photodynamic therapy with a phthalocyanine- ⁶⁴ bombesin conjugate. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 2424-2427.	2.2	40
67	Functionally Versatile and Highly Stable Chelator for ¹¹¹ In and ¹⁷⁷ Lu: Proof-of-Principle Prostate-Specific Membrane Antigen Targeting. <i>Bioconjugate Chemistry</i> , 2019, 30, 1539-1553.	3.6	40
68	¹⁷⁷ Lu-Labeled Albumin-Binder- ⁶⁴ Conjugated PSMA-Targeting Agents with Extremely High Tumor Uptake and Enhanced Tumor-to-Kidney Absorbed Dose Ratio. <i>Journal of Nuclear Medicine</i> , 2021, 62, 521-527.	5.0	40
69	Bone marrow hypermetabolism on 18F-FDG PET as a survival prognostic factor in non-small cell lung cancer. <i>Journal of Nuclear Medicine</i> , 2006, 47, 559-65.	5.0	39
70	Total Solid-Phase Synthesis of NOTA-Functionalized Peptides for PET Imaging. <i>Organic Letters</i> , 2010, 12, 280-283.	4.6	38
71	¹⁸ F-Trifluoroborate Derivatives of [Des-Arg ¹⁰]Kallidin for Imaging Bradykinin B1 Receptor Expression with Positron Emission Tomography. <i>Molecular Pharmaceutics</i> , 2015, 12, 974-982.	4.6	38
72	Medical Isotope Production at TRIUMF - ⁶⁴ from Imaging to Treatment. <i>Physics Procedia</i> , 2017, 90, 200-208.	1.2	38

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73	High-Grade Glioma Radiation Therapy Target Volumes and Patterns of Failure Obtained From Magnetic Resonance Imaging and 18F-FDOPA Positron Emission Tomography Delineations From Multiple Observers. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 87, 1100-1106.	0.8	37
74	<i>p</i> -NO ₂ -Bn ⁴ neunpa and H ⁴ neunpaâ€”Trastuzumab: Bifunctional Chelator for Radiometal pharmaceuticals and ¹¹¹ In Immuno-Single Photon Emission Computed Tomography Imaging. <i>Bioconjugate Chemistry</i> , 2017, 28, 2145-2159.	3.6	37
75	Preclinical Melanoma Imaging with ⁶⁸ Ga-Labeled Î±-Melanocyte-Stimulating Hormone Derivatives Using PET. <i>Theranostics</i> , 2017, 7, 805-813.	10.0	37
76	Assessment of Human Biodistribution and Dosimetry of 4-Fluoro-11 ^{Î²} -Methoxy-16Î±- ¹⁸ F-Fluoroestradiol Using Serial Whole-Body PET/CT. <i>Journal of Nuclear Medicine</i> , 2009, 50, 100-107.	5.0	36
77	[Lys(DOTA)4]BVD15, a novel and potent neuropeptide Y analog designed for Y1 receptor-targeted breast tumor imaging. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 950-953.	2.2	36
78	¹⁸ F-5-Fluoroaminosuberlic Acid as a Potential Tracer to Gauge Oxidative Stress in Breast Cancer Models. <i>Journal of Nuclear Medicine</i> , 2017, 58, 367-373.	5.0	36
79	Evaluation of polydentate picolinic acid chelating ligands and an Î±-melanocyte-stimulating hormone derivative for targeted alpha therapy using ISOL-produced 225Ac. <i>EJNMMI Radiopharmacy and Chemistry</i> , 2019, 4, 21.	3.9	35
80	N-(N-Benzylpiperidin-4-yl)-2-[18F]fluorobenzamide: A potential ligand for PET imaging of Î² receptors. <i>Nuclear Medicine and Biology</i> , 1997, 24, 671-676.	0.6	34
81	Novel Radiolabeled Peptides for Breast and Prostate Tumor PET Imaging: ⁶⁴ Cu and ⁶⁸ Ga/NOTA-PEG-[D-Tyr ⁶ , Î²Ala ¹¹ , Thi ¹³ , Nle ¹⁴]BBN(6-14) Bioconjugate Chemistry, 2012, 23, 1687-1693.	3.6	34
82	Melanoma Imaging Using ¹⁸ F-Labeled Î±-Melanocyte-Stimulating Hormone Derivatives with Positron Emission Tomography. <i>Molecular Pharmaceutics</i> , 2018, 15, 2116-2122.	4.6	31
83	Metformin Discontinuation prior to FDG PET/CT: A Randomized Controlled Study to Compare 24- and 48-hour Bowel Activity. <i>Radiology</i> , 2018, 289, 418-425.	7.3	31
84	Body mass index does not predict prostate-specific antigen or percent free prostate-specific antigen in men undergoing prostate cancer screening. <i>European Journal of Cancer</i> , 2007, 43, 1180-1187.	2.8	29
85	[11C]Acetate restâ€”stress protocol to assess myocardial perfusion and oxygen consumption reserve in a model of congestive heart failure in rats. <i>Nuclear Medicine and Biology</i> , 2012, 39, 287-294.	0.6	29
86	A new 18F-heteroaryltrifluoroborate radio-prosthetic with greatly enhanced stability that is labelled by 18Fâ€”19F-isotope exchange in good yield at high specific activity. <i>MedChemComm</i> , 2014, 5, 171-179.	3.4	29
87	Electrostatic Effects Accelerate Decatungstate-Catalyzed Câ€”H Fluorination Using [¹⁸ F]- and [¹⁹ F]NFSI in Small Molecules and Peptide Mimics. <i>ACS Catalysis</i> , 2019, 9, 8276-8284.	11.2	29
88	Impact on estrogen receptor binding and target tissue uptake of [18F]fluorine substitution at the 16Î±-position of fulvestrant (faslodex; ICI 182,780). <i>Nuclear Medicine and Biology</i> , 2004, 31, 691-698.	0.6	28
89	Regional Cerebral Glucose Metabolism in Healthy Volunteers Determined by Fluorodeoxyglucose Positron Emission Tomography. <i>Clinical Nuclear Medicine</i> , 2000, 25, 596-602.	1.3	28
90	Comparative study of 64Cu/NOTA-[D-Tyr ⁶ , Î²Ala ¹¹ , Thi ¹³ , Nle ¹⁴]BBN(6-14) monomer and dimers for prostate cancer PET imaging. <i>EJNMMI Research</i> , 2012, 2, 8.	2.5	27

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91	Theoretical dosimetry estimations for radioisotopes produced by proton-induced reactions on natural and enriched molybdenum targets. <i>Physics in Medicine and Biology</i> , 2012, 57, 1499-1515.	3.0	26
92	Impact of attenuation correction on the accuracy of FDG-PET in patients with abdominal tumors: a free-response ROC analysis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2000, 27, 1365-1371.	2.1	25
93	Radiometals from liquid targets: ^{94m} Tc production using a standard water target on a 13MeV cyclotron. <i>Applied Radiation and Isotopes</i> , 2012, 70, 2308-2312.	1.5	25
94	A Systematic Review of Molecular Imaging Agents Targeting Bradykinin B1 and B2 Receptors. <i>Pharmaceuticals</i> , 2020, 13, 199.	3.8	25
95	The Effects of Monosodium Glutamate on PSMA Radiotracer Uptake in Men with Recurrent Prostate Cancer: A Prospective, Randomized, Double-Blind, Placebo-Controlled Intraindividual Imaging Study. <i>Journal of Nuclear Medicine</i> , 2021, 62, 81-87.	5.0	25
96	A comparison of segmentation and emission subtraction for singles transmission in PET. <i>IEEE Transactions on Nuclear Science</i> , 1998, 45, 1212-1218.	2.0	24
97	Synthesis and evaluation of ¹⁸ F-labeled tertiary benzenesulfonamides for imaging carbonic anhydrase IX expression in tumours with positron emission tomography. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3064-3068.	2.2	24
98	Prospective, Single-Arm Trial Evaluating Changes in Uptake Patterns on Prostate-Specific Membrane Antigen-Targeted ¹⁸ F-DCFPyL PET/CT in Patients with Castration-Resistant Prostate Cancer Starting Abiraterone or Enzalutamide. <i>Journal of Nuclear Medicine</i> , 2021, 62, 1430-1437.	5.0	24
99	[¹¹ C] Acetoacetate Utilization by Breast and Prostate Tumors: a PET and Biodistribution Study in Mice. <i>Molecular Imaging and Biology</i> , 2008, 10, 217-223.	2.6	23
100	2-[¹⁸ F]Fluoroethanol and 3-[¹⁸ F]fluoropropanol: facile preparation, biodistribution in mice, and their application as nucleophiles in the synthesis of [¹⁸ F]fluoroalkyl aryl ester and ether PET tracers. <i>Nuclear Medicine and Biology</i> , 2013, 40, 850-857.	0.6	23
101	Design, synthesis and evaluation of novel bifunctional tetrahydroxamate chelators for PET imaging of ⁸⁹ Zr-labeled antibodies. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 708-712.	2.2	23
102	Effects of adding an albumin binder chain on [¹⁷⁷ Lu]Lu-DOTATATE. <i>Nuclear Medicine and Biology</i> , 2018, 66, 10-17.	0.6	23
103	Positron Emission Tomography Imaging of the Gastrin-Releasing Peptide Receptor with a Novel Bombesin Analogue. <i>ACS Omega</i> , 2019, 4, 1470-1478.	3.5	23
104	[^{nat} / ₄₄ Sc(pyppa)] ⁺ : Thermodynamic Stability, Radiolabeling, and Biodistribution of a Prostate-Specific-Membrane-Antigen-Targeting Conjugate. <i>Inorganic Chemistry</i> , 2020, 59, 1985-1995.	4.0	23
105	Phase 2 Trial of Interim PET Scan-Tailored Therapy in Patients with Advanced Stage Diffuse Large B-Cell Lymphoma (DLBCL) in British Columbia (BC). <i>Blood</i> , 2014, 124, 392-392.	1.4	23
106	Evaluation of outcome and cost-effectiveness using an FDG PET-guided approach to management of patients with coronary disease and severe left ventricular dysfunction (PARR-2): rationale, design, and methods. <i>Contemporary Clinical Trials</i> , 2003, 24, 776-794.	1.9	22
107	Automated synthesis of ¹¹ C-acetoacetic acid, a key alternate brain fuel to glucose. <i>Applied Radiation and Isotopes</i> , 2007, 65, 934-940.	1.5	22
108	[¹⁸ F]Fluorinated estradiol derivatives for oestrogen receptor imaging: impact of substituents, formulation and specific activity on the biodistribution in breast tumour-bearing mice. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 1473-1479.	6.4	22

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109	[¹¹ C]-Acetoacetate PET imaging: a potential early marker for cardiac heart failure. <i>Nuclear Medicine and Biology</i> , 2014, 41, 863-870.	0.6	22
110	Evaluation of agonist and antagonist radioligands for somatostatin receptor imaging of breast cancer using positron emission tomography. <i>EJNMMI Radiopharmacy and Chemistry</i> , 2017, 2, 4.	3.9	22
111	A Metal-Free DOTA-Conjugated ¹⁸ F-Labeled Radiotracer: [¹⁸ F]DOTA-AMBF ₃ -LLP2A for Imaging VLA-4 Over-Expression in Murine Melanoma with Improved Tumor Uptake and Greatly Enhanced Renal Clearance. <i>Bioconjugate Chemistry</i> , 2019, 30, 1210-1219.	3.6	22
112	Clinical evaluation of processing techniques for attenuation correction with ¹³⁷ Cs in whole-body PET imaging. <i>Journal of Nuclear Medicine</i> , 1999, 40, 1257-63.	5.0	22
113	Cardiac studies in rats with ¹¹ C-acetate and PET: a comparison with ¹³ N-ammonia. <i>IEEE Transactions on Nuclear Science</i> , 2002, 49, 2322-2327.	2.0	21
114	Site-Selective, Late-Stage ¹⁸ F-Fluorination on Unprotected Peptides for Positron Emission Tomography Imaging. <i>Angewandte Chemie</i> , 2018, 130, 12915-12918.	2.0	21
115	Mechanism of Reduced Myocardial Glucose Utilization During Acute Hypertriglyceridemia in Rats. <i>Molecular Imaging and Biology</i> , 2009, 11, 6-14.	2.6	20
116	Imaging Bradykinin B1 Receptor with ⁶⁸ Ga-Labeled [des-Arg ¹⁰]Kallidin Derivatives: Effect of the Linker on Biodistribution and Tumor Uptake. <i>Molecular Pharmaceutics</i> , 2015, 12, 2879-2888.	4.6	20
117	Advanced Stage Classical Hodgkin Lymphoma Patients with a Negative PET-Scan Following Treatment with ABVD Have Excellent Outcomes without the Need for Consolidative Radiotherapy Regardless of Disease Bulk at Presentation. <i>Blood</i> , 2015, 126, 579-579.	1.4	20
118	Solid targets for ^{99m} Tc production on medical cyclotrons. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 299, 1007-1011.	1.5	19
119	N-(n-benzylpiperidin-4-yl)-2-[¹⁸ f]fluorobenzamide: a potential ligand for pet imaging of breast cancer. <i>Nuclear Medicine and Biology</i> , 2000, 27, 763-767.	0.6	18
120	Assessment of the Novel Estrogen Receptor PET Tracer 4-Fluoro-11 ^β -methoxy-16 ^β -[¹⁸ F]fluoroestradiol (4FMFES) by PET Imaging in a Breast Cancer Murine Model. <i>Molecular Imaging and Biology</i> , 2013, 15, 625-632.	2.6	18
121	Cross-Linked Polyethylene Glycol Beads to Separate ^{99m} Tc-Pertechnetate from Low-Specific-Activity Molybdenum. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1910-1914.	5.0	18
122	One-step synthesis of 4-[¹⁸ F]fluorobenzyltriphenylphosphonium cation for imaging with positron emission tomography. <i>Journal of Labelled Compounds and Radiopharmaceutics</i> , 2016, 59, 467-471.	1.0	18
123	Evaluation of Met-Val-Lys as a Renal Brush Border Enzyme-Cleavable Linker to Reduce Kidney Uptake of ⁶⁸ Ga-Labeled DOTA-Conjugated Peptides and Peptidomimetics. <i>Molecules</i> , 2020, 25, 3854.	3.8	18
124	(¹⁸ F)-click labeling of a bombesin antagonist with an alkyne-(¹⁸ F)-ArBF(3) (-): in vivo PET imaging of tumors expressing the GRP-receptor. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 3, 57-70.	1.0	18
125	Whole-body positron emission tomography for oncology imaging using singles transmission scanning with segmentation and ordered subsets-expectation maximization (OS-EM) reconstruction. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1998, 25, 659-61.	2.1	18
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