Klaus Kopka

List of Publications by Year
in descending order

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Version: 2024-02-01

225 papers	12,980 citations	28274 55 h-index	26613 107 g-index
248 all docs	248 docs citations	248 times ranked	8167 citing authors

#	Article	IF	Citations
1	The diagnostic value of PET/CT imaging with the 68Ga-labelled PSMA ligand HBED-CC in the diagnosis of recurrent prostate cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2015, 42, 197-209.	6.4	866
2	²²⁵Ac-PSMA-617 for PSMA-Targeted Î±-Radiation Therapy of Metastatic Castration-Resistant Prostate Cancer. Journal of Nuclear Medicine, 2016, 57, 1941-1944.	5.0	741
3	68Ga-PSMA PET/CT: Joint EANM and SNMMI procedure guideline for prostate cancer imaging: version 1.0. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 1014-1024.	6.4	589
4	PSMA-Targeted Radionuclide Therapy of Metastatic Castration-Resistant Prostate Cancer with ¹⁷⁷Lu-Labeled PSMA-617. Journal of Nuclear Medicine, 2016, 57, 1170-1176.	5.0	475
5	Preclinical Evaluation of a Tailor-Made DOTA-Conjugated PSMA Inhibitor with Optimized Linker Moiety for Imaging and Endoradiotherapy of Prostate Cancer. Journal of Nuclear Medicine, 2015, 56, 914-920.	5.0	451
6	Diagnostic performance of 68Ga-PSMA-11 (HBED-CC) PET/CT in patients with recurrent prostate cancer: evaluation in 1007 patients. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 1258-1268.	6.4	425
7	F-18 labelled PSMA-1007: biodistribution, radiation dosimetry and histopathological validation of tumor lesions in prostate cancer patients. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 678-688.	6.4	421
8	The Theranostic PSMA Ligand PSMA-617 in the Diagnosis of Prostate Cancer by PET/CT: Biodistribution in Humans, Radiation Dosimetry, and First Evaluation of Tumor Lesions. Journal of Nuclear Medicine, 2015, 56, 1697-1705.	5.0	332
9	Novel Preclinical and Radiopharmaceutical Aspects of [68Ga]Ga-PSMA-HBED-CC: A New PET Tracer for Imaging of Prostate Cancer. Pharmaceuticals, 2014, 7, 779-796.	3.8	323
10	Radiation dosimetry and first therapy results with a 124I/131I-labeled small molecule (MIP-1095) targeting PSMA for prostate cancer therapy. European Journal of Nuclear Medicine and Molecular Imaging, 2014, 41, 1280-1292.	6.4	319
11	EANM procedure guidelines for radionuclide therapy with 177Lu-labelled PSMA-ligands (177Lu-PSMA-RLT). European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 2536-2544.	6.4	265
12	Dosimetry for 177Lu-DKFZ-PSMA-617: a new radiopharmaceutical for the treatment of metastatic prostate cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 42-51.	6.4	244
13	Detection Efficacy of ¹⁸F-PSMA-1007 PET/CT in 251 Patients with Biochemical Recurrence of Prostate Cancer After Radical Prostatectomy. Journal of Nuclear Medicine, 2019, 60, 362-368.	5.0	238
14	LutatheraÂ®: The First FDA- and EMA-Approved Radiopharmaceutical for Peptide Receptor Radionuclide Therapy. Pharmaceuticals, 2019, 12, 114.	3.8	218
15	Scintigraphic Imaging of Matrix Metalloproteinase Activity in the Arterial Wall In Vivo. Circulation, 2004, 109, 2554-2559.	1.6	211
16	The Rise of PSMA Ligands for Diagnosis and Therapy of Prostate Cancer. Journal of Nuclear Medicine, 2016, 57, 79S-89S.	5.0	200
17	68Ga-PSMA-11 PET/CT: a new technique with high potential for the radiotherapeutic management of prostate cancer patients. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 34-41.	6.4	194
18	Preclinical Evaluation of ¹⁸F-PSMA-1007, a New Prostate-Specific Membrane Antigen Ligand for Prostate Cancer Imaging. Journal of Nuclear Medicine, 2017, 58, 425-431.	5.0	186

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19	[177Lu]Lutetium-labelled PSMA ligand-induced remission in a patient with metastatic prostate cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2015, 42, 987-988.	6.4	155
20	New Strategies in Prostate Cancer: Prostate-Specific Membrane Antigen (PSMA) Ligands for Diagnosis and Therapy. Clinical Cancer Research, 2016, 22, 9-15.	7.0	155
21	Linker Modification Strategies To Control the Prostate-Specific Membrane Antigen (PSMA)-Targeting and Pharmacokinetic Properties of DOTA-Conjugated PSMA Inhibitors. Journal of Medicinal Chemistry, 2016, 59, 1761-1775.	6.4	150
22	Comparison of hybrid 68Ga-PSMA PET/MRI and 68Ga-PSMA PET/CT in the evaluation of lymph node and bone metastases of prostate cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 70-83.	6.4	148
23	Radiation dosimetry of 68Ga-PSMA-11 (HBED-CC) and preliminary evaluation of optimal imaging timing. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 1611-1620.	6.4	143
24	Intraindividual Comparison of ¹⁸F-PSMA-1007 and ¹⁸F-DCFPyL PET/CT in the Prospective Evaluation of Patients with Newly Diagnosed Prostate Carcinoma: A Pilot Study. Journal of Nuclear Medicine, 2018, 59, 1076-1080.	5.0	140
25	Local recurrence of prostate cancer after radical prostatectomy is at risk to be missed in 68Ga-PSMA-11-PET of PET/CT and PET/MRI: comparison with mpMRI integrated in simultaneous PET/MRI. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 776-787.	6.4	124
26	Impact of long-term androgen deprivation therapy on PSMA ligand PET/CT in patients with castration-sensitive prostate cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 2045-2054.	6.4	116
27	Glu-Ureidoâ€"Based Inhibitors of Prostate-Specific Membrane Antigen: Lessons Learned During the Development of a Novel Class of Low-Molecular-Weight Theranostic Radiotracers. Journal of Nuclear Medicine, 2017, 58, 17S-26S.	5.0	111
28	PSMA PET/CT with Glu-urea-Lys-(Ahx)-[68Ga(HBED-CC)] versus 3D CT volumetric lymph node assessment in recurrent prostate cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2015, 42, 1794-1800.	6.4	109
29	The Clinical Impact of Additional Late PET/CT Imaging with ⁶⁸Ga-PSMA-11 (HBED-CC) in the Diagnosis of Prostate Cancer. Journal of Nuclear Medicine, 2017, 58, 750-755.	5.0	105
30	⁶⁸Ga or¹⁸F for Prostate Cancer Imaging?. Journal of Nuclear Medicine, 2017, 58, 687-688.	5.0	105
31	Intra-individual comparison of 68Ga-PSMA-11-PET/CT and multi-parametric MR for imaging of primary prostate cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 1400-1406.	6.4	101
32	PMPA for Nephroprotection in PSMA-Targeted Radionuclide Therapy of Prostate Cancer. Journal of Nuclear Medicine, 2015, 56, 293-298.	5.0	100
33	Imaging matrix metalloproteinase activity in multiple sclerosis as a specific marker of leukocyte penetration of the blood-brain barrier. Science Translational Medicine, 2016, 8, 364ra152.	12.4	94
34	Clinical Translation and First In-Human Use of [⁴⁴Sc]Sc-PSMA-617 for PET Imaging of Metastasized Castrate-Resistant Prostate Cancer. Theranostics, 2017, 7, 4359-4369.	10.0	94
35	Preclinical evaluation of a bispecific lowâ€molecular heterodimer targeting both PSMA and GRPR for improved PET imaging and therapy of prostate cancer. Prostate, 2014, 74, 659-668.	2.3	93
36	Intraindividual Comparison of ¹⁸F-PSMA-1007 PET/CT, Multiparametric MRI, and Radical Prostatectomy Specimens in Patients with Primary Prostate Cancer: A Retrospective, Proof-of-Concept Study. Journal of Nuclear Medicine, 2017, 58, 1805-1810.	5.0	91

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37	PSMA-11â€“Derived Dual-Labeled PSMA Inhibitors for Preoperative PET Imaging and Precise Fluorescence-Guided Surgery of Prostate Cancer. Journal of Nuclear Medicine, 2018, 59, 639-645.	5.0	89
38	68Ga-PSMA-11 Dynamic PET/CT Imaging in Primary Prostate Cancer. Clinical Nuclear Medicine, 2016, 41, e473-e479.	1.3	86
39	Molecular Imaging of Matrix Metalloproteinases In Vivo Using Small Molecule Inhibitors for SPECT and PET. Current Medicinal Chemistry, 2006, 13, 2819-2838.	2.4	84
40	Procedures for the GMP-Compliant Production and Quality Control of [18F]PSMA-1007: A Next Generation Radiofluorinated Tracer for the Detection of Prostate Cancer. Pharmaceuticals, 2017, 10, 77.	3.8	83
41	Encapsulating 111In in Nanocontainers for Scintigraphic Imaging: Synthesis, Characterization, and In Vivo Biodistribution. ACS Nano, 2010, 4, 342-348.	14.6	82
42	18F-Labelled PSMA-1007 shows similarity in structure, biodistribution and tumour uptake to the theragnostic compound PSMA-617. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 1929-1930.	6.4	81
43	Development and dosimetry of 203Pb/212Pb-labelled PSMA ligands: bringing â€œthe leadâ€•into PSMA-targeted alpha therapy?. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 1081-1091.	6.4	77
44	Synthesis and preliminary biological evaluation of new radioiodinated MMP inhibitors for imaging MMP activity in vivo. Nuclear Medicine and Biology, 2004, 31, 257-267.	0.6	72
45	Current Status of Prostate-Specific Membrane Antigen Targeting in Nuclear Medicine: Clinical Translation of Chelator Containing Prostate-Specific Membrane Antigen Ligands Into Diagnostics and Therapy for Prostate Cancer. Seminars in Nuclear Medicine, 2016, 46, 405-418.	4.6	72
46	Fluorinated Isatin Derivatives. Part 2. New N-Substituted 5-Pyrrolidinylsulfonyl Isatins as Potential Tools for Molecular Imaging of Caspases in Apoptosis. Journal of Medicinal Chemistry, 2009, 52, 3484-3495.	6.4	71
47	Whole-body PET/CT with 11C-meta-hydroxyephedrine in tumors of the sympathetic nervous system: feasibility study and comparison with 123I-MIBG SPECT/CT. Journal of Nuclear Medicine, 2006, 47, 1635-42.	5.0	69
48	Novel Fluorinated Derivatives of the Broad-Spectrum MMP Inhibitors N-Hydroxy-2(R)-[[(4-methoxyphenyl)sulfonyl](benzyl)- and (3-picolyl)-amino]-3-methyl-butanamide as Potential Tools for the Molecular Imaging of Activated MMPs with PET. Journal of Medicinal Chemistry, 2007, 50, 5752-5764.	6.4	68
49	Repeated ¹⁷⁷Lu-Labeled PSMA-617 Radioligand Therapy Using Treatment Activities of Up to 9.3 GBq. Journal of Nuclear Medicine, 2018, 59, 459-465.	5.0	68
50	5-Pyrrolidinylsulfonyl Isatins as a Potential Tool for the Molecular Imaging of Caspases in Apoptosis. Journal of Medicinal Chemistry, 2006, 49, 6704-6715.	6.4	63
51	Multimodal Imaging Reveals Temporal and Spatial Microglia and Matrix Metalloproteinase Activity after Experimental Stroke. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1711-1721.	4.3	62
52	A new 18F-labelled derivative of the MMP inhibitor CGS 27023A for PET: Radiosynthesis and initial small-animal PET studies. Applied Radiation and Isotopes, 2009, 67, 606-610.	1.5	60
53	Design of Internalizing PSMA-specific Glu-ureido-based Radiotherapeutics. Theranostics, 2016, 6, 1085-1095.	10.0	60
54	Radiofluorinated Pyrimidineâ€2,4,6â€triones as Molecular Probes for Noninvasive MMPâ€Targeted Imaging. ChemMedChem, 2010, 5, 777-789.	3.2	59

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55	C-5-Disubstituted Barbiturates as Potential Molecular Probes for Noninvasive Matrix Metalloproteinase Imaging. Journal of Medicinal Chemistry, 2005, 48, 3400-3409.	6.4	58
56	68Ga-PSMA-11 dynamic PET/CT imaging in biochemical relapse of prostate cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 1288-1299.	6.4	58
57	PET/CT studies of multiple myeloma using 18â€‰F-FDG and 18â€‰F-NaF: comparison of distribution patterns and tracersâ€™ pharmacokinetics. European Journal of Nuclear Medicine and Molecular Imaging, 2014, 41, 1343-1353.	6.4	55
58	Biochemical Recurrence of Prostate Cancer: Initial Results with [¹⁸F]PSMA-1007 PET/CT. Journal of Nuclear Medicine, 2018, 59, 632-635.	5.0	55
59	Investigation of the halo-artifact in 68Ga-PSMA-11-PET/MRI. PLoS ONE, 2017, 12, e0183329.	2.5	53
60	Synthesis and Evaluation of a Novel Fluorescent Photoprobe for Imaging Matrix Metalloproteinases. Bioconjugate Chemistry, 2008, 19, 1001-1008.	3.6	51
61	A New Generation of Radiofluorinated Pyrimidine-2,4,6-triones as MMP-Targeted Radiotracers for Positron Emission Tomography. Journal of Medicinal Chemistry, 2012, 55, 223-232.	6.4	49
62	⁶⁸Ga-PSMA-11 PET/CT in Primary and Recurrent Prostate Carcinoma: Implications for Radiotherapeutic Management in 121 Patients. Journal of Nuclear Medicine, 2019, 60, 234-240.	5.0	49
63	Fluorinated isatin derivatives. Part 1: Synthesis of new N-substituted (S)-5-[1-(2-methoxymethylpyrrolidinyl)sulfonyl]isatins as potent caspase-3 and -7 inhibitors. Bioorganic and Medicinal Chemistry, 2009, 17, 2680-2688.	3.0	48
64	Novel Bispecific PSMA/GRPr Targeting Radioligands with Optimized Pharmacokinetics for Improved PET Imaging of Prostate Cancer. Bioconjugate Chemistry, 2016, 27, 737-751.	3.6	48
65	18F-PSMA-1007 PET/CT Detects Micrometastases in a Patient With Biochemically Recurrent Prostate Cancer. Clinical Genitourinary Cancer, 2017, 15, e497-e499.	1.9	47
66	A Closer Look at the Bromineâ€“Lithium Exchange with tert-Butyllithium in an Aryl Sulfonamide Synthesis. Organic Letters, 2013, 15, 2954-2957.	4.6	45
67	A New Class of Highly Potent Matrix Metalloproteinase Inhibitors Based on Triazole-Substituted Hydroxamates: (Radio)Synthesis and in Vitro and First in Vivo Evaluation. Journal of Medicinal Chemistry, 2012, 55, 4714-4727.	6.4	43
68	On the consensus nomenclature rules for radiopharmaceutical chemistry â€“ Reconsideration of radiochemical conversion. Nuclear Medicine and Biology, 2021, 93, 19-21.	0.6	43
69	Improving the Imaging Contrast of ⁶⁸Ga-PSMA-11 by Targeted Linker Design: Charged Spacer Moieties Enhance the Pharmacokinetic Properties. Bioconjugate Chemistry, 2017, 28, 2485-2492.	3.6	40
70	Targeting of matrix metalloproteinase activation for noninvasive detection of vulnerable atherosclerotic lesions. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 1-8.	6.4	39
71	Response Prediction of ¹⁷⁷Lu-PSMA-617 Radioligand Therapy Using Prostate-Specific Antigen, Chromogranin A, and Lactate Dehydrogenase. Journal of Nuclear Medicine, 2020, 61, 689-695.	5.0	39
72	Treatment response evaluation with 18F-FDG PET/CT and 18F-NaF PET/CT in multiple myeloma patients undergoing high-dose chemotherapy and autologous stem cell transplantation. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 50-62.	6.4	37

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73	The impact of p53 on DNA damage and metabolic activation of the environmental carcinogen benzo[a]pyrene: effects in Trp53(+/+), Trp53(+/â€“) and Trp53(â^'/â^') mice. Archives of Toxicology, 2016, 90, 839-851.	4.2	36
74	Inverse 1,2,3-Triazole-1-yl-ethyl Substituted Hydroxamates as Highly Potent Matrix Metalloproteinase Inhibitors: (Radio)synthesis, in Vitro and First in Vivo Evaluation. Journal of Medicinal Chemistry, 2013, 56, 6858-6870.	6.4	34
75	68Ga-PSMA PET/CT in the evaluation of bone metastases in prostate cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 904-912.	6.4	34
76	Current Status of PSMA-Radiotracers for Prostate Cancer: Data Analysis of Prospective Trials Listed on ClinicalTrials.gov. Pharmaceuticals, 2020, 13, 12.	3.8	34
77	Bicyclic Peptides as a New Modality for Imaging and Targeting of Proteins Overexpressed by Tumors. Cancer Research, 2019, 79, 841-852.	0.9	33
78	Synthesis and Evaluation of a Novel Hydroxamate Based Fluorescent Photoprobe for Imaging of Matrix Metalloproteinases. Bioconjugate Chemistry, 2009, 20, 904-912.	3.6	32
79	Simultaneous whole-body 18Fâ€“PSMA-1007-PET/MRI with integrated high-resolution multiparametric imaging of the prostatic fossa for comprehensive oncological staging of patients with prostate cancer: a pilot study. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 340-347.	6.4	32
80	Early Assessment of the Efficacy of Temozolomide Chemotherapy in Experimental Glioblastoma Using [18F]FLT-PET Imaging. PLoS ONE, 2013, 8, e67911.	2.5	32
81	Intraindividual comparison of [68ÂGa]-Ga-PSMA-11 and [18F]-F-PSMA-1007 in prostate cancer patients: a retrospective single-center analysis. EJNMMI Research, 2021, 11, 109.	2.5	32
82	NADH:Cytochrome b₅ Reductase and Cytochrome b₅ Can Act as Sole Electron Donors to Human Cytochrome P450 1A1-Mediated Oxidation and DNA Adduct Formation by Benzo[a]pyrene. Chemical Research in Toxicology, 2016, 29, 1325-1334.	3.3	31
83	Non-Invasive Molecular Imaging of β-Adrenoceptors In Vivo: Perspectives for PET-Radioligands. Current Medicinal Chemistry, 2005, 12, 2057-2074.	2.4	30
84	Metabolite Identification of a Radiotracer by Electrochemistry Coupled to Liquid Chromatography with Mass Spectrometric and Radioactivity Detection. Analytical Chemistry, 2011, 83, 5415-5421.	6.5	29
85	Robust augmented reality guidance with fluorescent markers in laparoscopic surgery. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 899-907.	2.8	29
86	Sequential scintigraphic strategy for the differentiation of brain tumours. European Journal of Nuclear Medicine and Molecular Imaging, 2000, 27, 550-558.	6.4	27
87	A Fluorescent Photoprobe for the Imaging of Endothelin Receptors. Bioconjugate Chemistry, 2007, 18, 685-694.	3.6	27
88	⁶⁸Ga-PSMA PET/CT and Volumetric Morphology of PET-Positive Lymph Nodes Stratified by Tumor Differentiation of Prostate Cancer. Journal of Nuclear Medicine, 2017, 58, 1949-1955.	5.0	27
89	Monomeric and Dimeric ⁶⁸Ga-Labeled Bombesin Analogues for Positron Emission Tomography (PET) Imaging of Tumors Expressing Gastrin-Releasing Peptide Receptors (GRPrs). Journal of Medicinal Chemistry, 2018, 61, 2062-2074.	6.4	27
90	Design of new Î²1-selective adrenoceptor ligands as potential radioligands for in vivo imaging. Bioorganic and Medicinal Chemistry, 2003, 11, 3513-3527.	3.0	26

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91	The MMP inhibitor (R)-2-(N-benzyl-4-(2-[18F]fluoroethoxy)phenylsulphonamido)-N-hydroxy-3-methylbutanamide: Improved precursor synthesis and fully automated radiosynthesis. Applied Radiation and Isotopes, 2011, 69, 862-868.	1.5	26
92	Tracer uptake in mediastinal and paraaortal thoracic lymph nodes as a potential pitfall in image interpretation of PSMA ligand PET/CT. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 1179-1187.	6.4	26
93	Cytochrome b 5 impacts on cytochrome P450-mediated metabolism of benzo[a]pyrene and its DNA adduct formation: studies in hepatic cytochrome b 5 /P450 reductase null (HBRN) mice. Archives of Toxicology, 2018, 92, 1625-1638.	4.2	26
94	Lymph Node Involvement in Treatment-NaÃ¯ve Prostate Cancer Patients: Correlation of PSMA PET/CT Imaging and Roach Formula in 280 Men in Radiotherapeutic Management. Journal of Nuclear Medicine, 2020, 61, 46-50.	5.0	26
95	18F-PSMA-1007 multiparametric, dynamic PET/CT in biochemical relapse and progression of prostate cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 592-602.	6.4	26
96	Recent Insights in Barium-131 as a Diagnostic Match for Radium-223: Cyclotron Production, Separation, Radiolabeling, and Imaging. Pharmaceuticals, 2020, 13, 272.	3.8	25
97	Clinical outcome of PSMA-guided radiotherapy for patients with oligorecurrent prostate cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 143-151.	6.4	25
98	Towards Targeted Alpha Therapy with Actinium-225: Chelators for Mild Condition Radiolabeling and Targeting PSMAâ€"A Proof of Concept Study. Cancers, 2021, 13, 1974.	3.7	25
99	Improved clinical workflow for simultaneous whole-body PET/MRI using high-resolution CAIPIRINHA-accelerated MR-based attenuation correction. European Journal of Radiology, 2017, 96, 12-20.	2.6	24
100	Molecular Imaging of Apoptosis In Vivo with Scintigraphic and Optical Biomarkers â€“ A Status Report. Anti-Cancer Agents in Medicinal Chemistry, 2009, 9, 968-985.	1.7	23
101	Synthesis of new fluorinated, 2-substituted 5-pyrrolidinylsulfonyl isatin derivatives as caspase-3 and caspase-7 inhibitors: Nonradioactive counterparts of putative PET-compatible apoptosis imaging agents. Bioorganic and Medicinal Chemistry, 2013, 21, 2025-2036.	3.0	23
102	A theranostic PSMA ligand for PET imaging and retargeting of T cells expressing the universal chimeric antigen receptor UniCAR. OncoImmunology, 2019, 8, 1659095.	4.6	23
103	Development of Novel PSMA Ligands for Imaging and Therapy with Copper Isotopes. Journal of Nuclear Medicine, 2020, 61, 70-79.	5.0	23
104	The PSMA-11-derived hybrid molecule PSMA-914 specifically identifies prostate cancer by preoperative PET/CT and intraoperative fluorescence imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 2057-2058.	6.4	23
105	Kinetics of 3-[123I]iodo-l-Î±-methyltyrosine transport in rat C6 glioma cells. European Journal of Nuclear Medicine and Molecular Imaging, 1999, 26, 1274-1278.	2.1	22
106	Molecular Imaging of Cardiac Sympathetic Innervation by ¹¹C-mHED and PET: From Man to Mouse?. Journal of Nuclear Medicine, 2010, 51, 1269-1276.	5.0	22
107	Induction of cytochromes P450 1A1 and 1A2 suppresses formation of DNA adducts by carcinogenic aristolochic acid I in rats in vivo. Toxicology, 2016, 344-346, 7-18.	4.2	22
108	Impact of genetic modulation of SULT1A enzymes on DNA adduct formation by aristolochic acids and 3-nitrobenzanthrone. Archives of Toxicology, 2017, 91, 1957-1975.	4.2	22

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109	Radiolabeled PSMA Inhibitors. Cancers, 2021, 13, 6255.	3.7	22
110	Variability of Proliferation and Diffusion in Different Lung Cancer Models as Measured by 3â€²-Deoxy-3â€²-¹⁸F-Fluorothymidine PET and Diffusion-Weighted MR Imaging. Journal of Nuclear Medicine, 2014, 55, 983-988.	5.0	21
111	Kinetic parameters of 3-[123I]iodo-L-Î±-methyl tyrosine ([123I]IMT) transport in human GOS3 glioma cells. Nuclear Medicine and Biology, 2001, 28, 293-297.	0.6	20
112	Fluorinated isatin derivatives. Part 3. New side-chain fluoro-functionalized pyrrolidinyl sulfonyl isatins as potent caspase-3 and -7 inhibitors. Future Medicinal Chemistry, 2009, 1, 969-989.	2.3	19
113	Radiolabeled Selective Matrix Metalloproteinase 13 (MMP-13) Inhibitors: (Radio)Syntheses and in Vitro and First in Vivo Evaluation. Journal of Medicinal Chemistry, 2017, 60, 307-321.	6.4	19
114	Radiolabeled prostate-specific membrane antigen small-molecule inhibitors. Quarterly Journal of Nuclear Medicine and Molecular Imaging, 2017, 61, 168-180.	0.7	19
115	68Ga, 44Sc and 177Lu-labeled AAZTA5-PSMA-617: synthesis, radiolabeling, stability and cell binding compared to DOTA-PSMA-617 analogues. EJNMMI Radiopharmacy and Chemistry, 2020, 5, 28.	3.9	19
116	New matrix metalloproteinase inhibitors based on Î³-fluorinated Î±-aminocarboxylic and Î±-aminohydroxamic acids. Bioorganic and Medicinal Chemistry, 2015, 23, 3809-3818.	3.0	18
117	Carbon ion radiotherapy: impact of tumor differentiation on local control in experimental prostate carcinomas. Radiation Oncology, 2017, 12, 174.	2.7	18
118	Development of PSMA-1007-Related Series of ¹⁸F-Labeled Glu-Ureido-Type PSMA Inhibitors. Journal of Medicinal Chemistry, 2020, 63, 10897-10907.	6.4	18
119	Experimental techniques to study proteinâ€“surfactant interactions: New insights into competitive adsorptions via drop subphase and interface exchange. Advances in Colloid and Interface Science, 2022, 301, 102601.	14.7	18
120	Development of Radiotracers for Imaging of the PD-1/PD-L1 Axis. Pharmaceuticals, 2022, 15, 747.	3.8	18
121	Development and Evaluation of Endothelin-A Receptor (Radio)Ligands for Positron Emission Tomography. Journal of Medicinal Chemistry, 2011, 54, 939-948.	6.4	17
122	Effects of arm truncation on the appearance of the halo artifact in 68Ga-PSMA-11 (HBED-CC) PET/MRI. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 1636-1646.	6.4	17
123	Assessment of glucose metabolism and cellular proliferation in multiple myeloma: a first report on combined 18F-FDG and 18F-FLT PET/CT imaging. EJNMMI Research, 2018, 8, 28.	2.5	17
124	Identification of Ligands and Translation to Clinical Applications. Journal of Nuclear Medicine, 2017, 58, 27S-33S.	5.0	16
125	Subâ€10â€…nm Radiolabeled Barium Sulfate Nanoparticles as Carriers for Theranostic Applications and Targeted Alpha Therapy. ChemistryOpen, 2020, 9, 797-805.	1.9	16
126	Development of an ¹⁸F-Labeled Irreversible Inhibitor of Transglutaminase 2 as Radiometric Tool for Quantitative Expression Profiling in Cells and Tissues. Journal of Medicinal Chemistry, 2021, 64, 3462-3478.	6.4	16

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127	Biodistribution of a Nonpeptidic Fluorescent Endothelin a Receptor Imaging Probe. Molecular Imaging, 2009, 8, 7290.2009.00003.	1.4	15
128	Synthesis of Geminal Difluorides by Oxidative Desulfurizationâ˜'Difluorination of Alkyl Aryl Thioethers with Halonium Electrophiles in the Presence of Fluorinating Reagents and Its Application for¹⁸F-Radiolabeling. Journal of Organic Chemistry, 2010, 75, 6086-6095.	3.2	15
129	HBED-NN: A Bifunctional Chelator for Constructing Radiopharmaceuticals. Journal of Organic Chemistry, 2019, 84, 7501-7508.	3.2	15
130	Impact of ¹⁸F-PSMA-1007 Uptake in Prostate Cancer Using Different Peptide Concentrations: Preclinical PET/CT Study on Mice. Journal of Nuclear Medicine, 2019, 60, 1594-1599.	5.0	15
131	The impact of barium isotopes in radiopharmacy and nuclear medicine â€“ From past to presence. Nuclear Medicine and Biology, 2021, 98-99, 59-68.	0.6	15
132	Synthesis and first in vivo evaluation of new selective high affinity Î²1-adrenoceptor radioligands for SPECT based on ICI 89,406. Bioorganic and Medicinal Chemistry, 2004, 12, 4117-4132.	3.0	14
133	Synthesis, binding affinity and structureâ€“activity relationships of novel, selective and dual targeting CCR2 and CCR5 receptor antagonists. Organic and Biomolecular Chemistry, 2015, 13, 2407-2422.	2.8	14
134	Synthesis, in vitro pharmacology and biodistribution studies of new PD 156707-derived ETA receptor radioligands. Bioorganic and Medicinal Chemistry, 2006, 14, 1910-1917.	3.0	13
135	Synthesis of 7-Halogenated Isatin Sulfonamides: Nonradioactive Counterparts of Caspase-3/-7 Inhibitor-Based Potential Radiopharmaceuticals for Molecular Imaging of Apoptosis. Journal of Medicinal Chemistry, 2014, 57, 9383-9395.	6.4	13
136	Mechanistic interrogation of combination bevacizumab/dual PI3K/mTOR inhibitor response in glioblastoma implementing novel MR and PET imaging biomarkers. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 1673-1683.	6.4	13
137	Live-cell imaging with Aspergillus fumigatus-specific fluorescent siderophore conjugates. Scientific Reports, 2020, 10, 15519.	3.3	13
138	â€œClickableâ€•Albumin Binders for Modulating the Tumor Uptake of Targeted Radiopharmaceuticals. Journal of Medicinal Chemistry, 2022, 65, 710-733.	6.4	13
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