

Theodosia Maina

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100
papers

2,667
citations

27
h-index

47
g-index

108
ext. papers

2,980
ext. citations

5.2
avg, IF

4.73
L-index

#	Paper	IF	Citations
100	Bombesin receptor antagonists may be preferable to agonists for tumor targeting. <i>Journal of Nuclear Medicine</i> , 2008 , 49, 318-26	8.9	217
99	[^{99m} Tc]Demobesin 1, a novel potent bombesin analogue for GRP receptor-targeted tumour imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2003 , 30, 247-58	8.8	156
98	Potent bombesin-like peptides for GRP-receptor targeting of tumors with ^{99m} Tc: a preclinical study. <i>Journal of Medicinal Chemistry</i> , 2005 , 48, 100-10	8.3	138
97	Of mice and humans: are they the same?--Implications in cancer translational research. <i>Journal of Nuclear Medicine</i> , 2010 , 51, 501-4	8.9	124
96	Theranostic Perspectives in Prostate Cancer with the Gastrin-Releasing Peptide Receptor Antagonist NeoBOMB1: Preclinical and First Clinical Results. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 75-80	8.9	88
95	[^{99m} Tc]Demotate, a new ^{99m} Tc-based [Tyr ³]octreotate analogue for the detection of somatostatin receptor-positive tumours: synthesis and preclinical results. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2002 , 29, 742-53	8.8	85
94	"To serve and protect": enzyme inhibitors as radiopeptide escorts promote tumor targeting. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 121-7	8.9	76
93	Comparative biodistribution of ¹²⁵ I-labelled gastrin/CCK2 receptor-targeting peptides. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011 , 38, 1410-6	8.8	74
92	Preclinical and first clinical experience with the gastrin-releasing peptide receptor-antagonist [⁶⁷ Zn]SB3 and PET/CT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016 , 43, 964-973	8.8	69
91	CCK-2/gastrin receptor-targeted tumor imaging with (^{99m} Tc)-labeled minigastrin analogs. <i>Journal of Nuclear Medicine</i> , 2005 , 46, 1727-36	8.9	69
90	Comparison of three radiolabelled peptide analogues for CCK-2 receptor scintigraphy in medullary thyroid carcinoma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009 , 36, 1265-72	8.8	64
89	Synthesis, radiochemistry and biological evaluation of a new somatostatin analogue (SDZ 219-387) labelled with technetium-99m. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1994 , 21, 437-44		64
88	⁶⁸ Ga/ ¹⁷⁷ Lu-NeoBOMB1, a Novel Radiolabeled GRPR Antagonist for Theranostic Use in Oncology. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 293-299	8.9	63
87	Glutathione-mediated metabolism of technetium-99m SNS/S mixed ligand complexes: a proposed mechanism of brain retention. <i>Journal of Medicinal Chemistry</i> , 1999 , 42, 1066-75	8.3	61
86	Comparison of the binding and internalization properties of ¹²⁵ I-DOTA-coupled and ¹²⁵ I-labelled CCK2/gastrin receptor binding peptides: a collaborative project under COST Action BM0607. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011 , 38, 1417-25	8.8	54
85	^{99m} Tc-Demotate 1: first data in tumour patients-results of a pilot/phase I study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2003 , 30, 1211-9	8.8	48
84	Species differences of bombesin analog interactions with GRP-R define the choice of animal models in the development of GRP-R-targeting drugs. <i>Journal of Nuclear Medicine</i> , 2005 , 46, 823-30	8.9	47

83	Optimised labeling, preclinical and initial clinical aspects of CCK-2 receptor-targeting with 3 radiolabeled peptides. <i>Nuclear Medicine and Biology</i> , 2008 , 35, 839-49	2.1	46
82	Toward stable N4-modified neurotensins for NTS1-receptor-targeted tumor imaging with 99mTc. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 4767-76	8.3	41
81	Targeting prostate cancer with radiolabelled bombesins. <i>Cancer Imaging</i> , 2006 , 6, 153-7	5.6	40
80	In Vivo Stabilization of a Gastrin-Releasing Peptide Receptor Antagonist Enhances PET Imaging and Radionuclide Therapy of Prostate Cancer in Preclinical Studies. <i>Theranostics</i> , 2016 , 6, 104-17	12.1	40
79	In vitro and in vivo application of radiolabeled gastrin-releasing peptide receptor ligands in breast cancer. <i>Journal of Nuclear Medicine</i> , 2015 , 56, 752-7	8.9	39
78	GRP receptor imaging of prostate cancer using [(99m)Tc]Demobesin 4: a first-in-man study. <i>Molecular Imaging and Biology</i> , 2014 , 16, 888-95	3.8	38
77	Novel Six-Coordinate Oxorhenium $\text{B} + 2\text{L}$ Mixed-Ligand Complexes Carrying the SNS/PO Donor Atom Set: Synthesis and Characterization. <i>Inorganic Chemistry</i> , 1999 , 38, 4197-4202	5.1	34
76	Theranostic Prospects of Gastrin-Releasing Peptide Receptor-Radioantagonists in Oncology. <i>PET Clinics</i> , 2017 , 12, 297-309	2.2	33
75	[99mTc]Demotensin 5 and 6 in the NTS1-R-targeted imaging of tumours: synthesis and preclinical results. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2007 , 34, 1804-14	8.8	31
74	Preclinical pharmacokinetics, biodistribution, radiation dosimetry and toxicity studies required for regulatory approval of a phase I clinical trial with (111)In-CP04 in medullary thyroid carcinoma patients. <i>European Journal of Pharmaceutical Sciences</i> , 2016 , 91, 236-42	5.1	27
73	From Bench to Bed: New Gastrin-Releasing Peptide Receptor-Directed Radioligands and Their Use in Prostate Cancer. <i>PET Clinics</i> , 2017 , 12, 205-217	2.2	22
72	Gastrin releasing peptide receptor-directed radioligands based on a bombesin antagonist: synthesis, (111)In-labeling, and preclinical profile. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 2374-84	8.3	22
71	[(99m)Tc]Demotate 2 in the detection of sst(2)-positive tumours: a preclinical comparison with [(111)In]DOTA-tate. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2006 , 33, 831-40	8.8	22
70	99mTc-N4-[Tyr3]Octreotate Versus 99mTc-EDDA/HYNIC-[Tyr3]Octreotide: an inpatient comparison of two novel Technetium-99m labeled tracers for somatostatin receptor scintigraphy. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2004 , 19, 73-9	3.9	22
69	Tetraamine-coupled peptides and resulting (99m)Tc-radioligands: an effective route for receptor-targeted diagnostic imaging of human tumors. <i>Current Topics in Medicinal Chemistry</i> , 2012 , 12, 2655-67	3	21
68	Development of novel mixed-ligand oxotechnetium [SNS/S] complexes as potential 5-HT1A receptor imaging agents. <i>Journal of Biological Inorganic Chemistry</i> , 2001 , 6, 256-65	3.7	21
67	From preclinical development to clinical application: Kit formulation for radiolabelling the minigastrin analogue CP04 with In-111 for a first-in-human clinical trial. <i>European Journal of Pharmaceutical Sciences</i> , 2016 , 85, 1-9	5.1	20
66	Cationic [99mTcIII(DIARS)2(SR)2]+ complexes as potential myocardial perfusion imaging agents (DIARS = o-phenylenebis(dimethylarsine);SR- = thiolate). <i>Journal of Medicinal Chemistry</i> , 1996 , 39, 1253-61	8.3	20

65	Clinical translation of theranostic radiopharmaceuticals: Current regulatory status and recent examples. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2019 , 62, 673-683	1.9	19
64	Radiometal-Dependent Biological Profile of the Radiolabeled Gastrin-Releasing Peptide Receptor Antagonist SB3 in Cancer Theranostics: Metabolic and Biodistribution Patterns Defined by Neprilysin. <i>Bioconjugate Chemistry</i> , 2018 , 29, 1774-1784	6.3	19
63	From Bench to Bedside-The Bad Berka Experience With First-in-Human Studies. <i>Seminars in Nuclear Medicine</i> , 2019 , 49, 422-437	5.4	19
62	Rhenium(II) Tricarbonyl Complexes with (2-Hydroxyphenyl)diphenylphosphine as PO Bidentate Ligand. <i>Inorganic Chemistry</i> , 2017 , 56, 8175-8186	5.1	19
61	NeoBOMB1, a GRPR-Antagonist for Breast Cancer Theragnostics: First Results of a Preclinical Study with [Ga]NeoBOMB1 in T-47D Cells and Tumor-Bearing Mice. <i>Molecules</i> , 2017 , 22,	4.8	19
60	[111In-DOTA]Somatostatin-14 analogs as potential pansomatostatin-like radiotracers - first results of a preclinical study. <i>EJNMMI Research</i> , 2012 , 2, 25	3.6	19
59	Oxorhenium phosphinophenolato complexes with model peptide fragments: synthesis, characterization, and stability considerations. <i>Inorganic Chemistry</i> , 2000 , 39, 5197-202	5.1	19
58	Improving the In Vivo Profile of Minigastrin Radiotracers: A Comparative Study Involving the Neutral Endopeptidase Inhibitor Phosphoramidon. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2016 , 31, 20-8	3.9	18
57	Radiolabeled gastrin/CCK analogs in tumor diagnosis: towards higher stability and improved tumor targeting. <i>Quarterly Journal of Nuclear Medicine and Molecular Imaging</i> , 2015 , 59, 287-302	1.4	18
56	Synthesis and characterization of five-coordinate rhenium(V) and technetium(V) mixed ligand bifunctional complexes carrying the SNS/S or the SNN/S donor atom set. Crystal structure of $\text{ReO}[\{(\text{C}_2\text{H}_5)_2\text{NCH}_2\text{CH}_2\text{N}(\text{CH}_2\text{CH}_2\text{S})_2\}(\text{p-H}_2\text{NBhS})\}]$ and $\text{ReO}[\{(\text{CH}_2)_4\text{NCH}_2\text{CH}_2\text{NCH}_2\text{CH}_2\text{S}\}(\text{p-H}_2\text{NBhS})]$. <i>Inorganica Chimica Acta</i> , 1999 , 285, 97-106	2.7	17
55	Impact of clinically tested NEP/ACE inhibitors on tumor uptake of [(111)In-DOTA]MG11-first estimates for clinical translation. <i>EJNMMI Research</i> , 2016 , 6, 15	3.6	16
54	Instant kit preparation of Ga-radiopharmaceuticals via the hybrid chelator DATA: clinical translation of [Ga]Ga-DATA-TOC. <i>EJNMMI Research</i> , 2019 , 9, 48	3.6	16
53	$^{99\text{m}}\text{Tc}$ radiotracers based on human GRP(18-27): synthesis and comparative evaluation. <i>Journal of Nuclear Medicine</i> , 2013 , 54, 1797-803	8.9	16
52	Study on the formation of mixed ligand oxorhenium and oxotechnetium complexes (SNS/S combination). <i>Inorganica Chimica Acta</i> , 1999 , 295, 1-8	2.7	16
51	Synthesis and characterization of five-co-ordinate rhenium(III) complexes with 2-(diphenylphosphino)ethanethiolate and monothiolate ligands. Crystal structure of $[\text{Re}(\text{Ph}_2\text{PCH}_2\text{CH}_2\text{S})_2(\text{PhCH}_2\text{S})]$. <i>Journal of the Chemical Society Dalton Transactions</i> , 1994 , 2437		15
50	Trastuzumab cotreatment improves survival of mice with PC-3 prostate cancer xenografts treated with the GRPR antagonist Lu-DOTAGA-PEG -RM26. <i>International Journal of Cancer</i> , 2019 , 145, 3347-3358	7.5	14
49	New Gastrin Releasing Peptide Receptor-Directed [Tc]Demobesin 1 Mimics: Synthesis and Comparative Evaluation. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 3138-3150	8.3	14
48	[111In-DOTA]LTT-SS28, a first pansomatostatin radioligand for in vivo targeting of somatostatin receptor-positive tumors. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 6564-71	8.3	14

47	Novel lipophilic amidate oxorhenium and oxotechnetium complexes as potential brain agents: synthesis, characterization and biological evaluation. <i>Journal of Biological Inorganic Chemistry</i> , 2001 , 6, 159-65	3.7	14
46	Synthesis and characterization of six-coordinate "3 + 2" mixed-ligand oxorhenium complexes with the o-diphenylphosphinophenolato ligand and tridentate coligands of different N and S donor atom combinations. <i>Inorganic Chemistry</i> , 2000 , 39, 2178-84	5.1	14
45	Glutathione Interaction with SNS/S Mixed-Ligand Complexes of Oxorhenium(V): Kinetic Aspects and Characterization of the Products. <i>Inorganic Chemistry</i> , 2000 , 39, 4433-4441	5.1	14
44	[^{99m} Tc]demotensin VI: biodistribution and initial clinical results in tumor patients of a pilot/phase I study. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2011 , 26, 557-63	3.9	13
43	Tetraamine-modified octreotide and octreotate: labeling with ^{99m} Tc and preclinical comparison in AR4-2J cells and AR4-2J tumor-bearing mice. <i>Journal of Peptide Science</i> , 2006 , 12, 124-31	2.1	13
42	Oxorhenium mixed-ligand complexes with the 2,6-dimercaptomethylpyridine ligand. Crystal structure of [2,6-dimercaptomethylpyridinato][p-methoxybenzenethiolato]oxorhenium(V). <i>Inorganica Chimica Acta</i> , 2000 , 304, 26-32	2.7	13
41	Amide-to-triazole switch vs. in vivo NEP-inhibition approaches to promote radiopeptide targeting of GRPR-positive tumors. <i>Nuclear Medicine and Biology</i> , 2017 , 52, 57-62	2.1	12
40	[^{99m} Tc]Demomedin C, a radioligand based on human gastrin releasing peptide(18-27): synthesis and preclinical evaluation in gastrin releasing peptide receptor-expressing models. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 8364-74	8.3	12
39	Preparation and characterization of a new rhenium(V) complex containing the methyl ester ligand. <i>Inorganica Chimica Acta</i> , 1995 , 240, 291-297	2.7	12
38	Novel bifunctional DATA chelator for quick access to site-directed PET Ga-radiotracers: preclinical proof-of-principle with [Tyr]octreotide. <i>Dalton Transactions</i> , 2017 , 46, 14584-14590	4.3	11
37	In vivo inhibition of neutral endopeptidase enhances the diagnostic potential of truncated gastrin (111)In-radioligands. <i>Nuclear Medicine and Biology</i> , 2015 , 42, 824-32	2.1	11
36	(^{99m} Tc)-labeled gastrins of varying peptide chain length: Distinct impact of NEP/ACE-inhibition on stability and tumor uptake in mice. <i>Nuclear Medicine and Biology</i> , 2016 , 43, 347-54	2.1	11
35	Biodistribution and elimination characteristics of two ¹¹¹ In-labeled CCK-2/gastrin receptor-specific peptides in rats. <i>Anticancer Research</i> , 2007 , 27, 907-12	2.3	11
34	Tumor diagnosis with new ¹¹¹ In-radioligands based on truncated human gastrin releasing peptide sequences: synthesis and preclinical comparison. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 8579-87	8.3	10
33	In vivo enzyme inhibition improves the targeting of [¹⁷⁷ Lu]DOTA-GRP(13-27) in GRPR-positive tumors in mice. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2014 , 29, 359-67	3.9	9
32	[DOTA]Somatostatin-14 analogs and their (¹¹¹ In)-radioligands: effects of decreasing ring-size on sst1-5 profile, stability and tumor targeting. <i>European Journal of Medicinal Chemistry</i> , 2014 , 73, 30-7	6.8	9
31	GnRH analogues containing conformationally restricted amino acids in positions 3 and 6: differential impact on pituitary binding affinity and direct antiproliferative effect on breast cancer cells. <i>Chemical Biology and Drug Design</i> , 2008 , 66, 57-64		9
30	Characterization and preliminary evaluation of ester-modified technetium- ^{99m} SNS/S mixed ligand complexes as potential brain perfusion agents. <i>Nuclear Medicine and Biology</i> , 1999 , 26, 297-304	2.1	9

29	Radiolabeled Bombesin Analogs. <i>Cancers</i> , 2021 , 13,	6.6	9
28	A novel CCK2/gastrin receptor-localizing radiolabeled peptide probe for personalized diagnosis and therapy of patients with progressive or metastatic medullary thyroid carcinoma: a multicenter phase I GRAN-T-MTC study. <i>Polish Archives of Internal Medicine</i> , 2018 , 128, 791-795	1.9	9
27	In Vivo Stabilized SB3, an Attractive GRPR Antagonist, for Pre- and Intra-Operative Imaging for Prostate Cancer. <i>Molecular Imaging and Biology</i> , 2018 , 20, 973-983	3.8	8
26	Improved Quantification of the Beta Cell Mass after Pancreas Visualization with Tc-demobesin-4 and Beta Cell Imaging with In-exendin-3 in Rodents. <i>Molecular Pharmaceutics</i> , 2016 , 13, 3478-3483	5.6	8
25	Comparing Gly/dAla-Replacement vs. the in-Situ Neprilysin-Inhibition Approach on the Tumor-targeting Efficacy of the In-SB3/In-SB4 Radiotracer Pair. <i>Molecules</i> , 2019 , 24,	4.8	7
24	A preformed chelate approach model for coupling amine-modified rhenium and technetium IV mixed ligand complexes to carboxylate residues. <i>Polyhedron</i> , 1999 , 18, 3545-3552	2.7	7
23	[Tc]Tc-DB1 Mimics with Different-Length PEG Spacers: Preclinical Comparison in GRPR-Positive Models. <i>Molecules</i> , 2020 , 25,	4.8	6
22	Localization of Tc-GRP Analogs in GRPR-Expressing Tumors: Effects of Peptide Length and Neprilysin Inhibition on Biological Responses. <i>Pharmaceutics</i> , 2019 , 12,	5.2	5
21	Comparative evaluation of the new GRPR-antagonist In-SB9 and In-AMBA in prostate cancer models: Implications of in vivo stability. <i>Journal of Labelled Compounds and Radiopharmaceutics</i> , 2019 , 62, 646-655	1.9	5
20	Molecular gastrin receptor localisation in mice using high-resolution SPET-MRI image fusion. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2003 , 30, 800	8.8	5
19	3D solution structure of [Tyr3]octreotate derivatives in DMSO: structure differentiation of peptide core due to chelate group attachment and biologically active conformation. <i>Medicinal Chemistry</i> , 2005 , 1, 487-99	1.8	5
18	Imaging of inflammatory cellular protagonists in human atherosclerosis: a dual-isotope SPECT approach. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 47, 2856-2865	8.8	4
17	Key-Protease Inhibition Regimens Promote Tumor Targeting of Neurotensin Radioligands. <i>Pharmaceutics</i> , 2020 , 12,	6.4	3
16	Synthesis and Biological Evaluation of New GnRH Analogues on Pituitary and Breast Cancer Cells. <i>International Journal of Peptide Research and Therapeutics</i> , 2007 , 13, 143-149	2.1	3
15	Synthesis and sst(2) binding profiles of new [Tyr(3)]octreotate analogs. <i>Journal of Peptide Science</i> , 2008 , 14, 725-30	2.1	3
14	^{99m}Tc demotate 1: biodistribution and elimination characteristics in rats. <i>Nuclear Medicine Communications</i> , 2005 , 26, 549-54	1.6	3
13	[Tc]Tc-DB15 in GRPR-Targeted Tumor Imaging with SPECT: From Preclinical Evaluation to the First Clinical Outcomes. <i>Cancers</i> , 2021 , 13,	6.6	3
12	GRPr Antagonist Ga-SB3 PET/CT Imaging of Primary Prostate Cancer in Therapy-Naïve Patients. <i>Journal of Nuclear Medicine</i> , 2021 , 62, 1517-1523	8.9	3

11	[Tc]Tc-DGA1, a Promising CCKR-Antagonist-Based Tracer for Tumor Diagnosis with Single-Photon Emission Computed Tomography. <i>Molecular Pharmaceutics</i> , 2020 , 17, 3116-3128	5.6	2
10	Intramolecular azo-bridge as a cystine disulfide bond surrogate: Somatostatin-14 and brain natriuretic peptide (BNP) analogs. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 798-806	3.4	2
9	Preclinical in vivo cancer, straightway to patients?. <i>Quarterly Journal of Nuclear Medicine and Molecular Imaging</i> , 2017 , 61, 145-152	1.4	2
8	Optimizing the Profile of [Tc]Tc-NT(7-13) Tracers in Pancreatic Cancer Models by Means of Protease Inhibitors. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
7	Distribution, elimination, and renal handling of (99m)technetium-Demogastrin 1. <i>Cancer Biotherapy and Radiopharmaceutics</i> , 2012 , 27, 169-74	3.9	1
6	Synthesis, radiochemistry and biological evaluation of technetium-99m complexes with 1,8-diamine-3,6-dithiaoctane (DDO) ligands. <i>International Journal of Radiation Applications and Instrumentation Part B, Nuclear Medicine and Biology</i> , 1992 , 19, 481-9		1
5	Comparative evaluation of 99mTc-labeled aminothiols as possible brain perfusion imaging agents. <i>International Journal of Radiation Applications and Instrumentation Part B, Nuclear Medicine and Biology</i> , 1988 , 15, 215-23		1
4	One Step Closer to Clinical Translation: Enhanced Tumor Targeting of [Tc]Tc-DB4 and [In]In-SG4 in Mice Treated with Entresto. <i>Pharmaceutics</i> , 2020 , 12,	6.4	1
3	Electrospray ionization study of tricarbonyl fac-[Re(CO) (PO)(X)]-type complexes: influence of ancillary co-ligands in the release of carbon monoxide. <i>Rapid Communications in Mass Spectrometry</i> , 2018 , 32, 1199-1206	2.2	1
2	Somatostatin Analogs 2015 , 291-305		
1	SPECT Radiochemistry 2021 , 479-492		