Vladimir Tolmachev

List of Publications by Year
in descending order

308	11,350	29994 54	49773 87
papers	citations	h-index	g-index

313	313	313	6253
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Affibody molecules: Engineered proteins for therapeutic, diagnostic and biotechnological applications. FEBS Letters, 2010, 584, 2670-2680.	1.3	521
2	Tumor Imaging Using a Picomolar Affinity HER2 Binding Affibody Molecule. Cancer Research, 2006, 66, 4339-4348.	0.4	462
3	Molecular Imaging of HER2-Expressing Malignant Tumors in Breast Cancer Patients Using Synthetic ¹¹¹In- or ⁶⁸Ga-Labeled Affibody Molecules. Journal of Nuclear Medicine, 2010, 51, 892-897.	2.8	271
4	First-in-Human Molecular Imaging of HER2 Expression in Breast Cancer Metastases Using the ¹¹¹In-ABY-025 Affibody Molecule. Journal of Nuclear Medicine, 2014, 55, 730-735.	2.8	211
5	Measuring HER2-Receptor Expression In Metastatic Breast Cancer Using [⁶⁸Ga]ABY-025 Affibody PET/CT. Theranostics, 2016, 6, 262-271.	4.6	204
6	Radionuclide Therapy of HER2-Positive Microxenografts Using a 177Lu-Labeled HER2-Specific Affibody Molecule. Cancer Research, 2007, 67, 2773-2782.	0.4	203
7	Synthetic Affibody Molecules: A Novel Class of Affinity Ligands for Molecular Imaging of HER2-Expressing Malignant Tumors. Cancer Research, 2007, 67, 2178-2186.	0.4	176
8	Selection and characterization of HER2/neu-binding affibody ligands. Protein Engineering, Design and Selection, 2004, 17, 455-462.	1.0	168
9	Extending Half-life by Indirect Targeting of the Neonatal Fc Receptor (FcRn) Using a Minimal Albumin Binding Domain. Journal of Biological Chemistry, 2011, 286, 5234-5241.	1.6	147
10	Pretargeted Imaging and Therapy. Journal of Nuclear Medicine, 2017, 58, 1553-1559.	2.8	143
11	Directed Evolution to Low Nanomolar Affinity of a Tumor-Targeting Epidermal Growth Factor Receptor-Binding Affibody Molecule. Journal of Molecular Biology, 2008, 376, 1388-1402.	2.0	138
12	Design of an Optimized Scaffold for Affibody Molecules. Journal of Molecular Biology, 2010, 398, 232-247.	2.0	137
13	On the Selection of a Tracer for PET Imaging of HER2-Expressing Tumors: Direct Comparison of a ¹²⁴I-Labeled Affibody Molecule and Trastuzumab in a Murine Xenograft Model. Journal of Nuclear Medicine, 2009, 50, 417-425.	2.8	131
14	Affibody molecules: potential forin vivoimaging of molecular targets for cancer therapy. Expert Opinion on Biological Therapy, 2007, 7, 555-568.	1.4	117
15	VEGFR2 pY949 signalling regulates adherens junction integrity and metastatic spread. Nature Communications, 2016, 7, 11017.	5.8	111
16	Imaging of HER-2 Overexpression in Tumors for Guiding Therapy. Current Pharmaceutical Design, 2008, 14, 2999-3019.	0.9	108
17	Imaging of EGFR expression in murine xenografts using site-specifically labelled anti-EGFR 111In-DOTA-ZEGFR:2377 Affibody molecule: aspect of the injected tracer amount. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 613-622.	3.3	103
18	Same-Day Imaging Using Small Proteins: Clinical Experience and Translational Prospects in Oncology. Journal of Nuclear Medicine, 2018, 59, 885-891.	2.8	101

#	Article	IF	Citations
19	^{99m}Tc-maEEE-Z_{HER2:342}, an Affibody Molecule-Based Tracer for the Detection of HER2 Expression in Malignant Tumors. Bioconjugate Chemistry, 2007, 18, 1956-1964.	1.8	98
20	Affibody Molecules for Epidermal Growth Factor Receptor Targeting In Vivo: Aspects of Dimerization and Labeling Chemistry. Journal of Nuclear Medicine, 2009, 50, 274-283.	2.8	98
21	Targeting of HER2-Expressing Tumors with a Site-Specifically ^{99m}Tc-Labeled Recombinant Affibody Molecule, Z_{HER2:2395}, with C-Terminally Engineered Cysteine. Journal of Nuclear Medicine, 2009, 50, 781-789.	2.8	97
22	Radiolabelled receptor-tyrosine-kinase targeting drugs for patient stratification and monitoring of therapy response: prospects and pitfalls. Lancet Oncology, The, 2010, 11, 992-1000.	5.1	91
23	Preparation and evaluation of (68)Ga-DOTA-hEGF for visualization of EGFR expression in malignant tumors. Journal of Nuclear Medicine, 2005, 46, 1881-8.	2.8	90
24	Biodistribution and Radiation Dosimetry of the Anti-HER2 Affibody Molecule ⁶⁸Ga-ABY-025 in Breast Cancer Patients. Journal of Nuclear Medicine, 2016, 57, 867-871.	2.8	88
25	In Vitro Characterization of a Bivalent Anti-HER-2 Affibody with Potential for Radionuclide-Based Diagnostics. Cancer Biotherapy and Radiopharmaceuticals, 2005, 20, 239-248.	0.7	87
26	Imaging of HER2-expressing tumours using a synthetic Affibody molecule containing the 99mTc-chelating mercaptoacetyl-glycyl-glycyl-glycyl (MAG3) sequence. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 722-733.	3.3	84
27	Evaluation of Maleimide Derivative of DOTA for Site-Specific Labeling of Recombinant Affibody Molecules. Bioconjugate Chemistry, 2008, 19, 235-243.	1.8	83
28	Targeting of HER2-Expressing Tumors Using ¹¹¹In-ABY-025, a Second-Generation Affibody Molecule with a Fundamentally Reengineered Scaffold. Journal of Nuclear Medicine, 2010, 51, 1131-1138.	2.8	81
29	Molecular Design and Optimization of ^{99m}Tc-Labeled Recombinant Affibody Molecules Improves Their Biodistribution and Imaging Properties. Journal of Nuclear Medicine, 2011, 52, 461-469.	2.8	80
30	99mTc-chelator engineering to improve tumour targeting properties of a HER2-specific Affibody molecule. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 1843-1853.	3.3	79
31	Locally Delivered CD40 Agonist Antibody Accumulates in Secondary Lymphoid Organs and Eradicates Experimental Disseminated Bladder Cancer. Cancer Immunology Research, 2014, 2, 80-90.	1.6	78
32	Production of 76Br by a low-energy cyclotron. Applied Radiation and Isotopes, 1998, 49, 1537-1540.	0.7	75
33	A HER2-binding Affibody molecule labelled with 68Ga for PET imaging: direct in vivo comparison with the 111In-labelled analogue. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 1356-1367.	3.3	75
34	Site-Specific Radiometal Labeling and Improved Biodistribution Using ABY-027, A Novel HER2-Targeting Affibody Moleculeâ€“Albumin-Binding Domain Fusion Protein. Journal of Nuclear Medicine, 2013, 54, 961-968.	2.8	75
35	Radiolabelled proteins for positron emission tomography: Pros and cons of labelling methods. Biochimica Et Biophysica Acta - General Subjects, 2010, 1800, 487-510.	1.1	74
36	HEHEHE-Tagged Affibody Molecule May Be Purified by IMAC, Is Conveniently Labeled with [^{99m}Tc(CO)₃]⁺, and Shows Improved Biodistribution with Reduced Hepatic Radioactivity Accumulation. Bioconjugate Chemistry, 2010, 21, 2013-2022.	1.8	72

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37	Tumor Targeting Using Affibody Molecules: Interplay of Affinity, Target Expression Level, and Binding Site Composition. Journal of Nuclear Medicine, 2012, 53, 953-960.	2.8	72
38	Engineering of Affibody Molecules for Therapy and Diagnostics. Methods in Molecular Biology, 2012, 899, 103-126.	0.4	72
39	111In-benzyl-DTPA-ZHER2:342, an affibody-based conjugate for in vivo imaging of HER2 expression in malignant tumors. Journal of Nuclear Medicine, 2006, 47, 846-53.	2.8	72
40	Pharmacokinetics and red cell utilization of iron(III) hydroxide-sucrose complex in anaemic patients: a study using positron emission tomography. British Journal of Haematology, 1999, 104, 296-302.	1.2	71
41	Development and preclinical characterisation of 99mTc-labelled Affibody molecules with reduced renal uptake. European Journal of Nuclear Medicine and Molecular Imaging, 2008, 35, 2245-2255.	3.3	69
42	Imaging of Human Epidermal Growth Factor Receptor Type 2 Expression with 18F-Labeled Affibody Molecule ZHER2:2395 in a Mouse Model for Ovarian Cancer. Journal of Nuclear Medicine, 2012, 53, 146-153.	2.8	66
43	Specific Uptake of an Amyloid-Î² Protofibril-Binding Antibody-Tracer in AÎ²PP Transgenic Mouse Brain. Journal of Alzheimer's Disease, 2013, 37, 29-40.	1.2	65
44	Comparative in vivo evaluation of technetium and iodine labels on an anti-HER2 affibody for single-photon imaging of HER2 expression in tumors. Journal of Nuclear Medicine, 2006, 47, 512-9.	2.8	65
45	Affibody-mediated tumour targeting of HER-2 expressing xenografts in mice. European Journal of Nuclear Medicine and Molecular Imaging, 2006, 33, 631-638.	3.3	64
46	Liver uptake of radiolabeled targeting proteins and peptides: considerations for targeting peptide conjugate design. Drug Discovery Today, 2012, 17, 1224-1232.	3.2	64
47	Influence of Labelling Methods on Biodistribution and Imaging Properties of Radiolabelled Peptides for Visualisation of Molecular Therapeutic Targets. Current Medicinal Chemistry, 2010, 17, 2636-2655.	1.2	63
48	Synthesis and Characterization of a High-Affinity NOTA-Conjugated Bombesin Antagonist for GRPR-Targeted Tumor Imaging. Bioconjugate Chemistry, 2013, 24, 1144-1153.	1.8	62
49	[177Lu]pertuzumab: experimental studies on targeting of HER-2 positive tumour cells. European Journal of Nuclear Medicine and Molecular Imaging, 2005, 32, 1457-1462.	3.3	61
50	Inhibiting HER3-Mediated Tumor Cell Growth with Affibody Molecules Engineered to Low Picomolar Affinity by Position-Directed Error-Prone PCR-Like Diversification. PLoS ONE, 2013, 8, e62791.	1.1	61
51	Pharmacokinetics and red cell utilization of 52 Fe/59 Fe-labelled iron polymaltose in anaemic patients using positron emission tomography. British Journal of Haematology, 2003, 120, 853-859.	1.2	59
52	Update: Affibody Molecules for Molecular Imaging and Therapy for Cancer. Cancer Biotherapy and Radiopharmaceuticals, 2007, 22, 573-584.	0.7	58
53	Elimination of Stabilised Hyaluronan from the Knee Joint in Healthy Men. Clinical Pharmacokinetics, 2002, 41, 603-613.	1.6	57
54	Affibody-mediated PET imaging of HER3 expression in malignant tumours. Scientific Reports, 2015, 5, 15226.	1.6	56

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55	Affibody Molecules as Targeting Vectors for PET Imaging. Cancers, 2020, 12, 651.	1.7	56
56	Binding of tellurium to hepatocellular selenoproteins during incubation with inorganic tellurite: consequences for the activity of selenium-dependent glutathione peroxidase. International Journal of Biochemistry and Cell Biology, 1999, 31, 291-301.	1.2	55
57	The Effect of Mini-PEG-Based Spacer Length on Binding and Pharmacokinetic Properties of a 68Ga-Labeled NOTA-Conjugated Antagonistic Analog of Bombesin. Molecules, 2014, 19, 10455-10472.	1.7	55
58	ADAPT, a Novel Scaffold Protein-Based Probe for Radionuclide Imaging of Molecular Targets That Are Expressed in Disseminated Cancers. Cancer Research, 2015, 75, 4364-4371.	0.4	55
59	Affibody molecules: new protein domains for molecular imaging and targeted tumor therapy. Current Opinion in Drug Discovery & Development, 2007, 10, 167-75.	1.9	55
60	Influence of valency and labelling chemistry on in vivo targeting using radioiodinated HER2-binding Affibody molecules. European Journal of Nuclear Medicine and Molecular Imaging, 2009, 36, 692-701.	3.3	54
61	HAHAHA, HEHEHE, HIHIHI, or HKHKHK: Influence of Position and Composition of Histidine Containing Tags on Biodistribution of [^{99m}Tc(CO)₃]⁺-Labeled Affibody Molecules. Journal of Medicinal Chemistry, 2013, 56, 4966-4974.	2.9	54
62	In VivoEvaluation of Cysteine-Based Chelators for Attachment of99mTc to Tumor-Targeting Affibody Molecules. Bioconjugate Chemistry, 2007, 18, 549-558.	1.8	53
63	Use of a HEHEHE Purification Tag Instead of a Hexahistidine Tag Improves Biodistribution of Affibody Molecules Site-Specifically Labeled with ^{99m}Tc, ¹¹¹In, and ¹²⁵I. Journal of Medicinal Chemistry, 2011, 54, 3817-3826.	2.9	53
64	Feasibility of Affibody Molecule-Based PNA-Mediated Radionuclide Pretargeting of Malignant Tumors. Theranostics, 2016, 6, 93-103.	4.6	53
65	[177Lu]Pertuzumab: Experimental Therapy of HER-2â€“Expressing Xenografts. Cancer Research, 2007, 67, 326-331.	0.4	52
66	Radionuclide Molecular Imaging Using Affibody Molecules. Current Pharmaceutical Biotechnology, 2010, 11, 581-589.	0.9	52
67	Radiobromination of anti-HER2/neu/ErbB-2 monoclonal antibody using the p-isothiocyanatobenzene derivative of the [76Br]undecahydro-bromo-7,8-dicarba-nido-undecaborate(1-) ion. Nuclear Medicine and Biology, 2004, 31, 425-433.	0.3	51
68	Influence of Macrocyclic Chelators on the Targeting Properties of 68Ga-Labeled Synthetic Affibody Molecules: Comparison with 111In-Labeled Counterparts. PLoS ONE, 2013, 8, e70028.	1.1	50
69	Imaging of Platelet-Derived Growth Factor Receptor Î² Expression in Glioblastoma Xenografts Using Affibody Molecule ¹¹¹In-DOTA-Z09591. Journal of Nuclear Medicine, 2014, 55, 294-300.	2.8	50
70	PET imaging of epidermal growth factor receptor expression in tumours using 89Zr-labelled ZEGFR:2377 affibody molecules. International Journal of Oncology, 2016, 48, 1325-1332.	1.4	50
71	Evaluation of ((4-Hydroxyphenyl)ethyl)maleimide for Site-Specific Radiobromination of Anti-HER2 Affibody. Bioconjugate Chemistry, 2005, 16, 1547-1555.	1.8	49
72	Radionuclide Therapy of HER2-Expressing Human Xenografts Using Affibody-Based Peptide Nucleic Acidâ€“Mediated Pretargeting: In Vivo Proof of Principle. Journal of Nuclear Medicine, 2018, 59, 1092-1098.	2.8	48

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73	Optimal specific radioactivity of anti-HER2 Affibody molecules enables discrimination between xenografts with high and low HER2 expression levels. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 531-539.	3.3	46
74	The effect of macrocyclic chelators on the targeting properties of the 68 Ga-labeled gastrin releasing peptide receptor antagonist PEG 2 -RM26. Nuclear Medicine and Biology, 2015, 42, 446-454.	0.3	46
75	Feasibility of Affibody-Based Bioorthogonal Chemistryâ€“Mediated Radionuclide Pretargeting. Journal of Nuclear Medicine, 2016, 57, 431-436.	2.8	46
76	Gallium-68-Labeled Affibody Molecule for PET Imaging of PDGFRÎ² Expression in Vivo. Molecular Pharmaceutics, 2014, 11, 3957-3964.	2.3	45
77	Polyhedral Boron Compounds as Potential Linkers for Attachment of Radiohalogens to Targeting Proteins and Peptides. A Review. Collection of Czechoslovak Chemical Communications, 2002, 67, 913-935.	1.0	44
78	Effects of Lysine-Containing Mercaptoacetyl-Based Chelators on the Biodistribution of ^{99m}Tc-Labeled Anti-HER2 Affibody Molecules. Bioconjugate Chemistry, 2008, 19, 2568-2576.	1.8	44
79	Imaging of Insulinlike Growth Factor Type 1 Receptor in Prostate Cancer Xenografts Using the Affibody Molecule ¹¹¹In-DOTA-Z_{IGF1R:4551}. Journal of Nuclear Medicine, 2012, 53, 90-97.	2.8	44
80	In Vitro and In Vivo Evaluation of a 18F-Labeled High Affinity NOTA Conjugated Bombesin Antagonist as a PET Ligand for GRPR-Targeted Tumor Imaging. PLoS ONE, 2013, 8, e81932.	1.1	44
81	Design, synthesis and biological evaluation of a multifunctional HER2-specific Affibody molecule for molecular imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2009, 36, 1864-1873.	3.3	43
82	Influence of Nuclides and Chelators on Imaging Using Affibody Molecules: Comparative Evaluation of Recombinant Affibody Molecules Site-Specifically Labeled with ⁶⁸Ga and ¹¹¹In via Maleimido Derivatives of DOTA and NODAGA. Bioconjugate Chemistry, 2013, 24, 1102-1109.	1.8	43
83	Radiobromination of closo-dodecaborate anion. Aspects of labelling chemistry in aqueous solution using Chloramine-T. Radiochimica Acta, 2002, 90, 229-235.	0.5	41
84	186Re-maSGS-ZHER2:342, a potential Affibody conjugate for systemic therapy of HER2-expressing tumours. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 260-269.	3.3	41
85	Phase I Study of ^{99m}Tc-ADAPT6, a Scaffold Proteinâ€“Based Probe for Visualization of HER2 Expression in Breast Cancer. Journal of Nuclear Medicine, 2021, 62, 493-499.	2.8	41
86	Targeting peptides and positron emission tomography. Biopolymers, 2002, 66, 381-392.	1.2	40
87	Approaches to Improve Cellular Retention of Radiohalogen Labels Delivered by Internalising Tumour-Targeting Proteins and Peptides. Current Medicinal Chemistry, 2003, 10, 2447-2460.	1.2	40
88	Comparative evaluation of synthetic anti-HER2 Affibody molecules site-specifically labelled with 111In using N-terminal DOTA, NOTA and NODAGA chelators in mice bearing prostate cancer xenografts. European Journal of Nuclear Medicine and Molecular Imaging, 2012, 39, 481-492.	3.3	40
89	Methods for Radiolabelling of Monoclonal Antibodies. Methods in Molecular Biology, 2014, 1060, 309-330.	0.4	40
90	Imaging of HER3-expressing xenografts in mice using a 99mTc(CO)3-HEHEHE-ZHER3:08699 affibody molecule. European Journal of Nuclear Medicine and Molecular Imaging, 2014, 41, 1450-1459.	3.3	40

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91	Affibody-derived drug conjugates: Potent cytotoxic molecules for treatment of HER2 over-expressing tumors. Journal of Controlled Release, 2018, 288, 84-95.	4.8	40
92	Intra-image referencing for simplified assessment of HER2-expression in breast cancer metastases using the Affibody molecule ABY-025 with PET and SPECT. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 1337-1346.	3.3	39
93	Radiobromination of monoclonal antibody using potassium [76Br] (4) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (isothioc Medicine and Biology, 2004, 31, 205-211.	0.3	38
94	[99mTc(CO)3]+-(HE)3-ZIGF1R:4551, a new Affibody conjugate for visualization of insulin-like growth factor-1 receptor expression in malignant tumours. European Journal of Nuclear Medicine and Molecular Imaging, 2013, 40, 439-449.	3.3	38
95	Influence of Histidine-Containing Tags on the Biodistribution of ADAPT Scaffold Proteins. Bioconjugate Chemistry, 2016, 27, 716-726.	1.8	38
96	Imaging using radiolabelled targeted proteins: radioimmunodetection and beyond. EJNMMI Radiopharmacy and Chemistry, 2020, 5, 16.	1.8	38
97	Cellular processing of 125I- and 111in-labeled epidermal growth factor (EGF) bound to cultured A431 tumor cells. Nuclear Medicine and Biology, 2000, 27, 827-835.	0.3	36
98	110mIn-DTPA-D-Phe1-octreotide for imaging of neuroendocrine tumors with PET. Journal of Nuclear Medicine, 2002, 43, 1391-7.	2.8	36
99	Evaluation of a Maleimido Derivative of CHX-Aâ€²â€² DTPA for Site-Specific Labeling of Affibody Molecules. Bioconjugate Chemistry, 2008, 19, 1579-1587.	1.8	35
100	Novel chemoselective ¹⁸F-radiolabeling of thiol-containing biomolecules under mild aqueous conditions. Chemical Communications, 2016, 52, 6083-6086.	2.2	35
101	Comparative Evaluation of Two DARPin Variants: Effect of Affinity, Size, and Label on Tumor Targeting Properties. Molecular Pharmaceutics, 2019, 16, 995-1008.	2.3	35
102	Closo-Dodecaborate(2-) as a Linker for Iodination of Macromolecules. Aspects on Conjugation Chemistry and Biodistribution. Bioconjugate Chemistry, 1999, 10, 338-345.	1.8	34
103	Influence of DOTA Chelator Position on Biodistribution and Targeting Properties of ¹¹¹In-Labeled Synthetic Anti-HER2 Affibody Molecules. Bioconjugate Chemistry, 2012, 23, 1661-1670.	1.8	34
104	Optimal composition and position of histidine-containing tags improves biodistribution of 99mTc-labeled DARPin G3. Scientific Reports, 2019, 9, 9405.	1.6	34
105	Increasing the Net Negative Charge by Replacement of DOTA Chelator with DOTAGA Improves the Biodistribution of Radiolabeled Second-Generation Synthetic Affibody Molecules. Molecular Pharmaceutics, 2016, 13, 1668-1678.	2.3	33
106	Affinity recovery of eight HER2-binding affibody variants using an anti-idiotypic affibody molecule as capture ligand. Protein Expression and Purification, 2011, 76, 127-135.	0.6	32
107	Imaging of CAIX-expressing xenografts in vivo using 99mTc-HEHEHE-ZCAIX:1 Affibody molecule. International Journal of Oncology, 2015, 46, 513-520.	1.4	31
108	Design, Preparation, and Characterization of PNA-Based Hybridization Probes for Affibody-Molecule-Mediated Pretargeting. Bioconjugate Chemistry, 2015, 26, 1724-1736.	1.8	31

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109	Cyclic versus Noncyclic Chelating Scaffold for ⁸⁹Zr-Labeled ZEGFR:2377 Affibody Bioconjugates Targeting Epidermal Growth Factor Receptor Overexpression. Molecular Pharmaceutics, 2018, 15, 175-185.	2.3	31
110	High yield [125I]iodide-labeling of iodinated carboranes by palladium-catalyzed isotopic exchange. Journal of Organometallic Chemistry, 2003, 680, 188-192.	0.8	30
111	A limiting factor for the progress of radionuclide-based cancer diagnostics and therapy Availability of suitable radionuclides. Acta OncolÃ³gica, 2004, 43, 264-275.	0.8	30
112	Comparative evaluation of 111In-labeled NOTA-conjugated affibody molecules for visualization of HER3 expression in malignant tumors. Oncology Reports, 2015, 34, 1042-1048.	1.2	30
113	Comparative Evaluation of Affibody Molecules for Radionuclide Imaging of in Vivo Expression of Carbonic Anhydrase IX. Molecular Pharmaceutics, 2016, 13, 3676-3687.	2.3	30
114	Comparative Evaluation of Radioiodine and Technetium-Labeled DARPin 9_29 for Radionuclide Molecular Imaging of HER2 Expression in Malignant Tumors. Contrast Media and Molecular Imaging, 2018, 2018, 1-11.	0.4	30
115	Trastuzumab cotreatment improves survival of mice with PCâ€3 prostate cancer xenografts treated with the GRPR antagonist ¹⁷⁷Luâ€DOTAGAâ€PEG₂â€RM26. International Journal of Cancer, 2019, 145, 3347-3358.	2.3	30
116	High yield direct 76Br-bromination of monoclonal antibodies using chloramine-T. Nuclear Medicine and Biology, 1999, 26, 923-929.	0.3	29
117	Kit formulation for 99mTc-labeling of recombinant anti-HER2 Affibody molecules with a C-terminally engineered cysteine. Nuclear Medicine and Biology, 2010, 37, 539-546.	0.3	29
118	Selection of optimal chelator improves the contrast of GRPR imaging using bombesin analogue RM26. International Journal of Oncology, 2016, 48, 2124-2134.	1.4	29
119	The use of radiocobalt as a label improves imaging of EGFR using DOTA-conjugated Affibody molecule. Scientific Reports, 2017, 7, 5961.	1.6	29
120	Radionuclide Tumor Targeting Using ADAPT Scaffold Proteins: Aspects of Label Positioning and Residualizing Properties of the Label. Journal of Nuclear Medicine, 2018, 59, 93-99.	2.8	29
121	Phase I Trial of ^{99m}Tc-(HE)₃-G3, a DARPin-Based Probe for Imaging of HER2 Expression in Breast Cancer. Journal of Nuclear Medicine, 2022, 63, 528-535.	2.8	29
122	114mIn, a candidate for radionuclide therapy: low-energy cyclotron production and labeling of DTPA-D-Phe-octreotide. Nuclear Medicine and Biology, 2000, 27, 183-188.	0.3	28
123	Comparative biodistribution of imaging agents for in vivo molecular profiling of disseminated prostate cancer in mice bearing prostate cancer xenografts: focus on 111In- and 125I-labeled anti-HER2 humanized monoclonal trastuzumab and ABY-025 Affibody. Nuclear Medicine and Biology, 2011, 38, 1093-1102.	0.3	28
124	The influence of Bz-DOTA and CHX-Aâ€³-DTPA on the biodistribution of ABD-fused anti-HER2 Affibody molecules: implications for 114mIn-mediated targeting therapy. European Journal of Nuclear Medicine and Molecular Imaging, 2009, 36, 1460-1468.	3.3	27
125	Feasibility of imaging of epidermal growth factor receptor expression with ZEGFR:2377 affibody molecule labeled with 99mTc using a peptide-based cysteine-containing chelator. International Journal of Oncology, 2016, 49, 2285-2293.	1.4	27
126	High Contrast PET Imaging of GRPR Expression in Prostate Cancer Using Cobalt-Labeled Bombesin Antagonist RM26. Contrast Media and Molecular Imaging, 2017, 2017, 1-10.	0.4	27

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127	The emerging role of radionuclide molecular imaging of HER2 expression in breast cancer. Seminars in Cancer Biology, 2021, 72, 185-197.	4.3	27
128	Kinetic analysis of 52 Fe-labelled iron(III) hydroxide-sucrose complex following bolus administration using positron emission tomography. British Journal of Haematology, 1999, 104, 288-295.	1.2	26
129	Combined effect of gefitinib ('Iressa', ZD1839) and targeted radiotherapy with 211 At-EGF. European Journal of Nuclear Medicine and Molecular Imaging, 2003, 30, 1348-1356.	3.3	26
130	Evaluation of the first 44Sc-labeled Affibody molecule for imaging of HER2-expressing tumors. Nuclear Medicine and Biology, 2017, 45, 15-21.	0.3	26
131	Bispecific GRPR-Antagonistic Anti-PSMA/GRPR Heterodimer for PET and SPECT Diagnostic Imaging of Prostate Cancer. Cancers, 2019, 11, 1371.	1.7	26
132	Labelling chemistry and characterization of [90Y/177Lu]-DOTA-ZHER2:342-3 Affibody molecule, a candidate agent for locoregional treatment of urinary bladder carcinoma. International Journal of Molecular Medicine, 2007, 19, 285-91.	1.8	26
133	Rapid separation of gallium from zinc targets by thermal diffusion. Applied Radiation and Isotopes, 1996, 47, 297-299.	0.7	25
134	Evaluation of a Maleimido Derivative of NOTA for Site-Specific Labeling of Affibody Molecules. Bioconjugate Chemistry, 2011, 22, 894-902.	1.8	25
135	Incorporation of a Triglutamyl Spacer Improves the Biodistribution of Synthetic Affibody Molecules Radiofluorinated at the N-Terminus via Oxime Formation with ¹⁸F-4-Fluorobenzaldehyde. Bioconjugate Chemistry, 2014, 25, 82-92.	1.8	25
136	Radionuclide imaging of VEGFR2 in glioma vasculature using biparatopic affibody conjugate: proof-of-principle in a murine model. Theranostics, 2018, 8, 4462-4476.	4.6	25
137	Biodistribution of 211At labeled HER-2 binding affibody molecules in mice. Oncology Reports, 2007, 17, 1141-7.	1.2	25
138	Radiobromination of humanized anti-HER2 monoclonal antibody trastuzumab using N-succinimidyl 5-bromo-3-pyridinecarboxylate, a potential label for immunoPET. Nuclear Medicine and Biology, 2005, 32, 613-622.	0.3	24
139	Influence of molecular design on biodistribution and targeting properties of an Affibody-fused HER2-recognising anticancer toxin. International Journal of Oncology, 2016, 49, 1185-1194.	1.4	24
140	In vitro evaluation of the astatinated chimeric monoclonal antibody U36, a potential candidate for treatment of head and neck squamous cell carcinoma. European Journal of Nuclear Medicine and Molecular Imaging, 2005, 32, 1296-1304.	3.3	23
141	¹⁸⁸Re-Z_{HER2:V2}, a Promising Affibody-Based Targeting Agent Against HER2-Expressing Tumors: Preclinical Assessment. Journal of Nuclear Medicine, 2014, 55, 1842-1848.	2.8	23
142	Positron Emission Tomography and Radioimmunotargeting: General Aspects. Acta OncolÃ³gica, 1999, 38, 335-341.	0.8	22
143	Optimized indirect 76br-bromination of antibodies using n-succinimidyl para-[76br]bromobenzoate for radioimmuno PET. Nuclear Medicine and Biology, 2000, 27, 837-843.	0.3	22
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