Mick M Welling

List of Publications by Year
in descending order

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215 papers	9,237 citations	31976 53 h-index	54911 84 g-index
219 all docs	219 docs citations	219 times ranked	8434 citing authors

#	Article	IF	Citations
1	Intraoperative Laparoscopic Fluorescence Guidance to the Sentinel Lymph Node in Prostate Cancer Patients: Clinical Proof of Concept of an Integrated Functional Imaging Approach Using a Multimodal Tracer. European Urology, 2011, 60, 826-833.	1.9	295
2	Pretreatment with Interferon-Î³ Enhances the Therapeutic Activity of Mesenchymal Stromal Cells in Animal Models of Colitis. Stem Cells, 2011, 29, 1549-1558.	3.2	287
3	Large scale production of recombinant human lactoferrin in the milk of transgenic cows. Nature Biotechnology, 2002, 20, 484-487.	17.5	250
4	Detection of colorectal polyps in humans using an intravenously administered fluorescent peptide targeted against c-Met. Nature Medicine, 2015, 21, 955-961.	30.7	231
5	Technetium-99m labelled antimicrobial peptides discriminate between bacterial infections and sterile inflammations. European Journal of Nuclear Medicine and Molecular Imaging, 2000, 27, 292-301.	6.4	223
6	Comparing the Hybrid Fluorescentâ€“Radioactive Tracer Indocyanine Greenâ€“^{99m}Tc-Nanocolloid with ^{99m}Tc-Nanocolloid for Sentinel Node Identification: A Validation Study Using Lymphoscintigraphy and SPECT/CT. Journal of Nuclear Medicine, 2012, 53, 1034-1040.	5.0	214
7	Human Lactoferrin and Peptides Derived from Its N Terminus Are Highly Effective against Infections with Antibiotic-Resistant Bacteria. Infection and Immunity, 2001, 69, 1469-1476.	2.2	212
8	99mTechnetium-based Prostate-specific Membrane Antigenâ€“radioguided Surgery in Recurrent Prostate Cancer. European Urology, 2019, 75, 659-666.	1.9	195
9	Prosthetic joint infections: radionuclide state-of-the-art imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2012, 39, 892-909.	6.4	165
10	Concomitant radio- and fluorescence-guided sentinel lymph node biopsy in squamous cell carcinoma of the oral cavity using ICG-99mTc-nanocolloid. European Journal of Nuclear Medicine and Molecular Imaging, 2012, 39, 1128-1136.	6.4	151
11	A Hybrid Radioactive and Fluorescent Tracer for Sentinel Node Biopsy in Penile Carcinoma as a Potential Replacement for Blue Dye. European Urology, 2014, 65, 600-609.	1.9	135
12	Radiolabelled antimicrobial peptides for infection detection. Lancet Infectious Diseases, The, 2003, 3, 223-229.	9.1	127
13	Candidacidal Activities of Human Lactoferrin Peptides Derived from the N Terminus. Antimicrobial Agents and Chemotherapy, 2000, 44, 3257-3263.	3.2	122
14	Antibacterial activity of human neutrophil defensins in experimental infections in mice is accompanied by increased leukocyte accumulation.. Journal of Clinical Investigation, 1998, 102, 1583-1590.	8.2	120
15	Size and affinity kinetics of nanobodies influence targeting and penetration of solid tumours. Journal of Controlled Release, 2020, 317, 34-42.	9.9	115
16	Enhanced glutathione PEGylated liposomal brain delivery of an anti-amyloid single domain antibody fragment in a mouse model for Alzheimer's disease. Journal of Controlled Release, 2015, 203, 40-50.	9.9	114
17	Feasibility of Sentinel Node Biopsy in Head and Neck Melanoma Using a Hybrid Radioactive and Fluorescent Tracer. Annals of Surgical Oncology, 2012, 19, 1988-1994.	1.5	112
18	Multimodal Surgical Guidance during Sentinel Node Biopsy for Melanoma: Combined Gamma Tracing and Fluorescence Imaging of the Sentinel Node through Use of the Hybrid Tracer Indocyanine Greenâ€“^{99m}Tc-Nanocolloid. Radiology, 2015, 275, 521-529.	7.3	107

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19	Radionuclide imaging of spinal infections. European Journal of Nuclear Medicine and Molecular Imaging, 2006, 33, 1226-1237.	6.4	104
20	Multimodal Tumor-Targeting Peptides Functionalized with Both a Radio- and a Fluorescent Label. Bioconjugate Chemistry, 2010, 21, 1709-1719.	3.6	104
21	Sortase Aâ€mediated siteâ€specific labeling of camelid singleâ€domain antibodyâ€fragments: a versatile strategy for multiple molecular imaging modalities. Contrast Media and Molecular Imaging, 2016, 11, 328-339.	0.8	100
22	Optimisation of Fluorescence Guidance During Robot-assisted Laparoscopic Sentinel Node Biopsy for Prostate Cancer. European Urology, 2014, 66, 991-998.	1.9	98
23	Sentinel Node Procedure in Prostate Cancer: A Systematic Review to Assess Diagnostic Accuracy. European Urology, 2017, 71, 596-605.	1.9	98
24	A controlled human Schistosoma mansoni infection model to advance novel drugs, vaccines and diagnostics. Nature Medicine, 2020, 26, 326-332.	30.7	97
25	99mTc-labeled antimicrobial peptides for detection of bacterial and Candida albicans infections. Journal of Nuclear Medicine, 2001, 42, 788-94.	5.0	96
26	Optical imaging as an expansion of nuclear medicine: Cerenkov-based luminescence vs fluorescence-based luminescence. European Journal of Nuclear Medicine and Molecular Imaging, 2013, 40, 1283-1291.	6.4	89
27	Technetium-99m labelled fluconazole and antimicrobial peptides for imaging of Candida albicans and Aspergillus fumigatus infections. European Journal of Nuclear Medicine and Molecular Imaging, 2002, 29, 674-679.	6.4	87
28	A self-assembled multimodal complex for combined pre- and intraoperative imaging of the sentinel lymph node. Nanotechnology, 2010, 21, 355101.	2.6	85
29	Synergistic Activity of the N-Terminal Peptide of Human Lactoferrin and Fluconazole against Candida Species. Antimicrobial Agents and Chemotherapy, 2003, 47, 262-267.	3.2	84
30	Single Lesion on Prostate-specific Membrane Antigen-ligand Positron Emission Tomography and Low Prostate-specific Antigen Are Prognostic Factors for a Favorable Biochemical Response to Prostate-specific Membrane Antigen-targeted Radioguided Surgery in Recurrent Prostate Cancer. European Urology, 2019, 76, 517-523.	1.9	81
31	Luminescence-based Imaging Approaches in the Field of Interventional Molecular Imaging. Radiology, 2015, 276, 12-29.	7.3	79
32	Image navigation as a means to expand the boundaries of fluorescence-guided surgery. Physics in Medicine and Biology, 2012, 57, 3123-3136.	3.0	78
33	Targeted non-covalent self-assembled nanoparticles based on human serum albumin. Biomaterials, 2012, 33, 867-875.	11.4	77
34	Imaging agents for the chemokine receptor 4 (CXCR4). Chemical Society Reviews, 2012, 41, 5239.	38.1	76
35	Development and Prospects of Dedicated Tracers for the Molecular Imaging of Bacterial Infections. Bioconjugate Chemistry, 2013, 24, 1971-1989.	3.6	76
36	Synthesis and Preclinical Characterization of the PSMA-Targeted Hybrid Tracer PSMA-I&F for Nuclear and Fluorescence Imaging of Prostate Cancer. Journal of Nuclear Medicine, 2019, 60, 71-78.	5.0	76

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37	Discovery and development of a synthetic peptide derived from lactoferrin for clinical use. Peptides, 2011, 32, 1953-1963.	2.4	75
38	Radiochemical and biological characteristics of 99mTc-UBI 29â€“41 for imaging of bacterial infections. Nuclear Medicine and Biology, 2002, 29, 413-422.	0.6	74
39	Fluorescence guidance in urologic surgery. Current Opinion in Urology, 2012, 22, 109-120.	1.8	74
40	Future Diagnostic Agents. Seminars in Nuclear Medicine, 2009, 39, 11-26.	4.6	73
41	Recent advances in nuclear and hybrid detection modalities for image-guided surgery. Expert Review of Medical Devices, 2019, 16, 711-734.	2.8	71
42	Tracer-cocktail injections for combined pre- and intraoperative multimodal imaging of lymph nodes in a spontaneous mouse prostate tumor model. Journal of Biomedical Optics, 2011, 16, 016004.	2.6	70
43	Phosphorescence Imaging of Living Cells with Amino Acid-Functionalized Tris(2-phenylpyridine)iridium(III) Complexes. Inorganic Chemistry, 2012, 51, 2105-2114.	4.0	70
44	99mTc-Labeled UBI 29-41 peptide for monitoring the efficacy of antibacterial agents in mice infected with Staphylococcus aureus. Journal of Nuclear Medicine, 2004, 45, 321-6.	5.0	70
45	Hybrid Indocyanine Greenâ€“99mTc-nanocolloid for Single-photon Emission Computed Tomography and Combined Radio- and Fluorescence-guided Sentinel Node Biopsy in Penile Cancer: Results of 740 Inguinal Basins Assessed at a Single Institution. European Urology, 2020, 78, 865-872.	1.9	67
46	Robot-assisted laparoscopic surgery using DROP-IN radioguidance: first-in-human translation. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 49-53.	6.4	65
47	Technologies for image-guided surgery for managing lymphatic metastases in prostate cancer. Nature Reviews Urology, 2019, 16, 159-171.	3.8	62
48	Trending: Radioactive and Fluorescent Bimodal/Hybrid Tracers as Multiplexing Solutions for Surgical Guidance. Journal of Nuclear Medicine, 2020, 61, 13-19.	5.0	62
49	Human Lactoferrinâ€Đerived Peptide's Antifungal Activities against DisseminatedCandida albicansInfection. Journal of Infectious Diseases, 2007, 196, 1416-1424.	4.0	60
50	Synthesis and Evaluation of a Bimodal CXCR4 Antagonistic Peptide. Bioconjugate Chemistry, 2011, 22, 859-864.	3.6	59
51	Potential role of antimicrobial peptides in the early onset of Alzheimer's disease. Alzheimer's and Dementia, 2015, 11, 51-57.	0.8	58
52	A DROP-IN Gamma Probe for Robot-assisted Radioguided Surgery of Lymph Nodes During Radical Prostatectomy. European Urology, 2021, 79, 124-132.	1.9	58
53	Evaluation of 99mTc-UBI 29-41 scintigraphy for specific detection of experimental Staphylococcus aureus prosthetic joint infections. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 1302-1309.	6.4	57
54	Computer-assisted surgery. Current Opinion in Urology, 2018, 28, 205-213.	1.8	56

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55	Tailoring Fluorescent Dyes To Optimize a Hybrid RGD-Tracer. Bioconjugate Chemistry, 2016, 27, 1253-1258.	3.6	53
56	Multimodal hybrid imaging agents for sentinel node mapping as a means to (re)connect nuclear medicine to advances made in robot-assisted surgery. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 1278-1287.	6.4	53
57	High-resolution imaging and single-cell analysis via laser ablation-inductively coupled plasma-mass spectrometry for the determination of membranous receptor expression levels in breast cancer cell lines using receptor-specific hybrid tracers. Analytica Chimica Acta, 2019, 1074, 43-53.	5.4	53
58	Synthetic peptides derived from human antimicrobial peptide ubiquicidin accumulate at sites of infections and eradicate (multi-drug resistant) Staphylococcus aureus in mice. Peptides, 2006, 27, 2585-2591.	2.4	52
59	Relationship Between Intraprostatic Tracer Deposits and Sentinel Lymph Node Mapping in Prostate Cancer Patients. Journal of Nuclear Medicine, 2012, 53, 1026-1033.	5.0	52
60	Fluorescence guided surgery and tracer-dose, fact or fiction?. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 1857-1867.	6.4	52
61	Dendritic cells, but not macrophages or B cells, activate major histocompatibility complex class II-restricted CD4+T cells upon immune-complex uptake in vivo. Immunology, 2006, 119, 499-506.	4.4	51
62	Multispectral Fluorescence Imaging During Robot-assisted Laparoscopic Sentinel Node Biopsy: A First Step Towards a Fluorescence-based Anatomic Roadmap. European Urology, 2017, 72, 110-117.	1.9	51
63	Sentinel Lymph Node Biopsy for Prostate Cancer: A Hybrid Approach. Journal of Nuclear Medicine, 2013, 54, 493-496.	5.0	49
64	Development of a Hybrid Tracer for SPECT and Optical Imaging of Bacterial Infections. Bioconjugate Chemistry, 2015, 26, 839-849.	3.6	49
65	Imaging of bacterial infections with 99mTc-labeled human neutrophil peptide-1. Journal of Nuclear Medicine, 1999, 40, 2073-80.	5.0	49
66	First-in-human evaluation of a hybrid modality that allows combined radio- and (near-infrared) fluorescence tracing during surgery. European Journal of Nuclear Medicine and Molecular Imaging, 2015, 42, 1639-1647.	6.4	47
67	Fusion of hIgG1-Fc to 111In-anti-amyloid single domain antibody fragment VHH-pa2H prolongs blood residential time in APP/PS1 mice but does not increase brain uptake. Nuclear Medicine and Biology, 2015, 42, 695-702.	0.6	47
68	Hybrid Peptide Dendrimers for Imaging of Chemokine Receptor 4 (CXCR4) Expression. Molecular Pharmaceutics, 2011, 8, 2444-2453.	4.6	46
69	(Non-targeted) radioactive/fluorescent nanoparticles and their potential in combined pre- and intraoperative imaging during sentinel lymph node resection. Nanotechnology, 2010, 21, 482001.	2.6	45
70	(Near-Infrared) Fluorescence-Guided Surgery Under Ambient Light Conditions: A Next Step to Embedment of the Technology in Clinical Routine. Annals of Surgical Oncology, 2016, 23, 2586-2595.	1.5	45
71	An update on radiotracer development for molecular imaging of bacterial infections. Clinical and Translational Imaging, 2019, 7, 105-124.	2.1	44
72	Peptideâ€Functionalized Luminescent Iridium Complexes for Lifetime Imaging of CXCR4 Expression. ChemBioChem, 2011, 12, 1897-1903.	2.6	43

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73	Feasibility of Intraoperative Navigation to the Sentinel Node in the Groin Using Preoperatively Acquired Single Photon Emission Computerized Tomography Data: Transferring Functional Imaging to the Operating Room. Journal of Urology, 2014, 192, 1810-1816.	0.4	43
74	Hybrid Tracers Based on Cyanine Backbones Targeting Prostate-Specific Membrane Antigen: Tuning Pharmacokinetic Properties and Exploring Dyeâ€“Protein Interaction. Journal of Nuclear Medicine, 2020, 61, 234-241.	5.0	42
75	uPAR-targeted multimodal tracer for pre- and intraoperative imaging in cancer surgery. Oncotarget, 2015, 6, 14260-14273.	1.8	42
76	Radiopharmaceuticals: new antimicrobial agents. Trends in Biotechnology, 2003, 21, 70-73.	9.3	41
77	In vivo biodistribution of stem cells using molecular nuclear medicine imaging. Journal of Cellular Physiology, 2011, 226, 1444-1452.	4.1	41
78	Minimal-Invasive Robot-Assisted Image-Guided Resection of Prostate-Specific Membrane Antigenâ€“Positive Lymph Nodes in Recurrent Prostate Cancer. Clinical Nuclear Medicine, 2019, 44, 580-581.	1.3	41
79	Infection detection in mice using 99mTc-labeled HYNIC and N2S2 chelate conjugated to the antimicrobial peptide UBI 29-41. Nuclear Medicine and Biology, 2004, 31, 503-509.	0.6	38
80	Multidrug resistance mediated by ABC transporters in osteosarcoma cell lines: mRNA analysis and functional radiotracer studies. Nuclear Medicine and Biology, 2006, 33, 831-840.	0.6	38
81	Histatin-Derived Monomeric and Dimeric Synthetic Peptides Show Strong Bactericidal Activity towards Multidrug-Resistant Staphylococcus aureus In Vivo. Antimicrobial Agents and Chemotherapy, 2007, 51, 3416-3419.	3.2	38
82	Image-Guided Surgery: Are We Getting the Most Out of Small-Molecule Prostate-Specific-Membrane-Antigen-Targeted Tracers?. Bioconjugate Chemistry, 2020, 31, 375-395.	3.6	38
83	Toward (Hybrid) Navigation of a Fluorescence Camera in an Open Surgery Setting. Journal of Nuclear Medicine, 2016, 57, 1650-1653.	5.0	37
84	Robot-assisted Prostate-specific Membrane Antigenâ€“radioguided Salvage Surgery in Recurrent Prostate Cancer Using a DROP-IN Gamma Probe: The First Prospective Feasibility Study. European Urology, 2022, 82, 97-105.	1.9	37
85	Outcome of intensive immunosuppression and autologous stem cell transplantation in patients with severe rheumatoid arthritis is associated with the composition of synovial T cell infiltration. Annals of the Rheumatic Diseases, 2005, 64, 1397-1405.	0.9	36
86	Ex vivo culture of human CD34+ cord blood cells with thrombopoietin (TPO) accelerates platelet engraftment in a NOD/SCID mouse model. Experimental Hematology, 2006, 34, 943-950.	0.4	36
87	Current Perspectives in the Use of Molecular Imaging To Target Surgical Treatments for Genitourinary Cancers. European Urology, 2014, 65, 947-964.	1.9	34
88	Tracers for Fluorescence-Guided Surgery: How Elongation of the Polymethine Chain in Cyanine Dyes Alters the Pharmacokinetics of a Dual-Modality c[RGDyK] Tracer. Journal of Nuclear Medicine, 2018, 59, 986-992.	5.0	34
89	In Vivo Detection of Amyloid-Î² Deposits Using Heavy Chain Antibody Fragments in a Transgenic Mouse Model for Alzheimer's Disease. PLoS ONE, 2012, 7, e38284.	2.5	34
90	Radiolabelled antimicrobial peptides for imaging of infections. Nuclear Medicine Communications, 1998, 19, 1117-1122.	1.1	33

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91	Multimodal Interventional Molecular Imaging of Tumor Margins and Distant Metastases by Targeting Î±_vÎ²₃ Integrin. ChemBioChem, 2012, 13, 1039-1045.	2.6	33
92	Hybrid surgical guidance based on the integration of radionuclear and optical technologies. British Journal of Radiology, 2016, 89, 20150797.	2.2	33
93	First Robotic SPECT for Minimally Invasive Sentinel Lymph Node Mapping. IEEE Transactions on Medical Imaging, 2016, 35, 830-838.	8.9	33
94	Early Induction of Human Regulatory Dermal Antigen Presenting Cells by Skin-Penetrating Schistosoma Mansoni Cercariae. Frontiers in Immunology, 2018, 9, 2510.	4.8	33
95	Dendritic Ruthenium(II)â€Based Dyes Tuneable for Diagnostic or Therapeutic Applications. Chemistry - A European Journal, 2011, 17, 464-467.	3.3	32
96	Multi-Wavelength Fluorescence in Image-Guided Surgery, Clinical Feasibility and Future Perspectives. Molecular Imaging, 2020, 19, 153601212096233.	1.4	32
97	How molecular imaging will enable robotic precision surgery. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 4201-4224.	6.4	32
98	A DROP-IN beta probe for robot-assisted 68Ga-PSMA radioguided surgery: first ex vivo technology evaluation using prostate cancer specimens. EJNMMI Research, 2020, 10, 92.	2.5	32
99	Prostate-Specific Membrane Antigenâ€“Guided Surgery. Journal of Nuclear Medicine, 2020, 61, 6-12.	5.0	31
100	Revolutionizing (robot-assisted) laparoscopic gamma tracing using a drop-in gamma probe technology. American Journal of Nuclear Medicine and Molecular Imaging, 2016, 6, 1-17.	1.0	31
101	The labeling of proteins and LDL with 99mTc: a new direct method employing KBH4 and stannous chloride. Nuclear Medicine and Biology, 1993, 20, 825-833.	0.6	30
102	Introducing navigation during melanoma-related sentinel lymph node procedures in the head-and-neck region. EJNMMI Research, 2017, 7, 65.	2.5	30
103	Biomarkers in preclinical cancer imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2015, 42, 579-596.	6.4	27
104	Near-infrared fluorescence imaging compared to standard sentinel lymph node detection with blue dye in patients with vulvar cancer â€“ a randomized controlled trial. Gynecologic Oncology, 2020, 159, 672-680.	1.4	26
105	The Impact of Adding Sentinel Node Biopsy to Extended Pelvic Lymph Node Dissection on Biochemical Recurrence in Prostate Cancer Patients Treated with Robot-Assisted Radical Prostatectomy. Journal of Nuclear Medicine, 2018, 59, 204-209.	5.0	25
106	Extending the Hybrid Surgical Guidance Concept With Freehand Fluorescence Tomography. IEEE Transactions on Medical Imaging, 2020, 39, 226-235.	8.9	25
107	Improved radioiodination of biomolecules using exhaustive Chloramine-T oxidation. Nuclear Medicine and Biology, 2001, 28, 999-1008.	0.6	24
108	Obtaining control of cell surface functionalizations via Pre-targeting and Supramolecular host guest interactions. Scientific Reports, 2017, 7, 39908.	3.3	24

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109	A Supramolecular Approach for Liver Radioembolization. Theranostics, 2018, 8, 2377-2386.	10.0	24
110	Can Intraoperative Fluorescence Imaging Identify All Lesions While the Road Map Created by Preoperative Nuclear Imaging Is Masked?. Journal of Nuclear Medicine, 2020, 61, 834-841.	5.0	24
111	Size-Sorting and Pattern Formation of Nanoparticle-Loaded Micellar Superstructures in Biconcave Thin Films. ACS Nano, 2017, 11, 11225-11231.	14.6	23
112	Salvage Surgery in Patients with Local Recurrence After Radical Prostatectomy. European Urology, 2021, 79, 537-544.	1.9	23
113	EANM position paper on the role of radiobiology in nuclear medicine. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 3365-3377.	6.4	23
114	99Tcm-HIG accumulates in the synovial tissue of rats with adjuvant arthritis by binding to extracellular matrix proteins. Nuclear Medicine Communications, 1996, 17, 54-59.	1.1	22
115	Functional imaging of multidrug resistance in an orthotopic model of osteosarcoma using 99mTc-sestamibi. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 1793-1803.	6.4	22
116	The many roads to infection imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2008, 35, 848-849.	6.4	22
117	Various routes of administration of 99mTc-labeled synthetic lactoferrin antimicrobial peptide hLF 1â€“11 enables monitoring and effective killing of multidrug-resistant Staphylococcus aureus infections in mice. Peptides, 2008, 29, 1109-1117.	2.4	22
118	Fluorescent radiocolloids: are hybrid tracers the future for lymphatic mapping?. European Journal of Nuclear Medicine and Molecular Imaging, 2015, 42, 1627-1630.	6.4	22
119	Fluorescent imaging of bacterial infections and recent advances made with multimodal radiopharmaceuticals. Clinical and Translational Imaging, 2019, 7, 125-138.	2.1	22
120	Multi-wavelength fluorescence imaging with a da Vinci Fireflyâ€”a technical look behind the scenes. Journal of Robotic Surgery, 2020, 15, 751-760.	1.8	22
121	Detection of experimental infections with 99mTc-labeled monoclonal antibodies against TNF-Î± and interleukin-8. Nuclear Medicine and Biology, 1997, 24, 649-655.	0.6	21
122	Multispectral-Fluorescence Imaging as a Tool to Separate Healthy from Disease-Related Lymphatic Anatomy During Robot-Assisted Laparoscopy. Journal of Nuclear Medicine, 2018, 59, 1757-1760.	5.0	21
123	Performance of a 99mTc-labelled 1-thio-Î²-D-glucose 2,3,4,6-tetra-acetate analogue in the detection of infections and tumours in mice: a comparison with [18F]FDG. Nuclear Medicine Communications, 2010, 31, 239-248.	1.1	20
124	Evaluation of a Fluorescent and Radiolabeled Hybrid Somatostatin Analog In Vitro and in Mice Bearing H69 Neuroendocrine Xenografts. Journal of Nuclear Medicine, 2016, 57, 1289-1295.	5.0	20
125	The helminth glycoprotein omegaâ€1 improves metabolic homeostasis in obese mice through type 2 immunityâ€mdependent inhibition of food intake. FASEB Journal, 2021, 35, e21331.	0.5	20
126	Use of a Single Hybrid Imaging Agent for Integration of Target Validation with In Vivo and Ex Vivo Imaging of Mouse Tumor Lesions Resembling Human DCIS. PLoS ONE, 2013, 8, e48324.	2.5	20

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127	The Pharmacology of Radiolabeled Cationic Antimicrobial Peptides. Journal of Pharmaceutical Sciences, 2008, 97, 1633-1651.	3.3	19
128	Quantification of wild-type and radiation attenuated Plasmodium falciparum sporozoite motility in human skin. Scientific Reports, 2019, 9, 13436.	3.3	19
129	Detection of Fungal Infections Using Radiolabeled Antifungal Agents. Current Drug Targets, 2005, 6, 945-954.	2.1	19
130	The many roads to infection imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 1873-1877.	6.4	18
131	The Use of Technetium-99m Radiolabeled Human Antimicrobial Peptides for Infection Specific Imaging. Mini-Reviews in Medicinal Chemistry, 2008, 8, 1039-1052.	2.4	18
132	Surgical Guidance in Prostate Cancer: â€œFrom Molecule to Manâ€•Translations. Clinical Cancer Research, 2016, 22, 1304-1306.	7.0	18
133	New chelation strategy allows for quick and clean 99mTc-labeling of synthetic peptides. Nuclear Medicine and Biology, 2004, 31, 815-820.	0.6	17
134	Navigation of Fluorescence Cameras during Soft Tissue Surgeryâ€”Is it Possible to Use a Single Navigation Setup for Various Open and Laparoscopic Urological Surgery Applications?. Journal of Urology, 2018, 199, 1061-1068.	0.4	17
135	Translational molecular imaging in exocrine pancreatic cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 2442-2455.	6.4	17
136	In vivo stability of supramolecular hostâ€“guest complexes monitored by dual-isotope multiplexing in a pre-targeting model of experimental liver radioembolization. Journal of Controlled Release, 2019, 293, 126-134.	9.9	17
137	Advancing intraoperative magnetic tracing using 3D freehand magnetic particle imaging. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 211-218.	2.8	17
138	Quantifying the Impact of Signal-to-background Ratios on Surgical Discrimination of Fluorescent Lesions. Molecular Imaging and Biology, 2023, 25, 180-189.	2.6	17
139	Polyfluorinated bis-styrylbenzenes as amyloid-Î² plaque binding ligands. Bioorganic and Medicinal Chemistry, 2014, 22, 2469-2481.	3.0	16
140	Improved detection of a staphylococcal infection by monomeric and protein A-purified polyclonal human immunoglobulin. European Journal of Nuclear Medicine and Molecular Imaging, 1993, 20, 490-4.	2.1	15
141	Molecular imaging: the emerging role of optical imaging in nuclear medicine. European Journal of Nuclear Medicine and Molecular Imaging, 2014, 41, 2150-2153.	6.4	15
142	Generation of fluorescently labeled tracers â€“ which features influence the translational potential?. EJNMMI Radiopharmacy and Chemistry, 2017, 2, 15.	3.9	15
143	99mTc-antimicrobial peptides: promising candidates for infection imaging. The Quarterly Journal of Nuclear Medicine: Official Publication of the Italian Association of Nuclear Medicine (AIMN) [and] the International Association of Radiopharmacology (IAR), 2003, 47, 238-45.	0.5	15
144	Kit with technetium-99m labelled antimicrobial peptide UBI 29-41 for specific infection detection. Journal of Labelled Compounds and Radiopharmaceuticals, 2005, 48, 683-691.	1.0	14

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145	Cyclodextrin/Adamantane-Mediated Targeting of Inoculated Bacteria in Mice. Bioconjugate Chemistry, 2021, 32, 607-614.	3.6	14
146	The Click-On gamma probe, a second-generation tethered robotic gamma probe that improves dexterity and surgical decision-making. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 4142-4151.	6.4	14
147	Current Status of Imaging Infections with Radiolabeled Anti-Infective Agents. Anti-Infective Agents in Medicinal Chemistry, 2009, 8, 272-287.	0.6	14
148	Introducing Fluorescence-Guided Surgery for Pediatric Ewing, Osteo-, and Rhabdomyosarcomas: A Literature Review. Biomedicines, 2021, 9, 1388.	3.2	14
149	Localization of a bacterial infection with 99Tcm-labelled human IgG. Nuclear Medicine Communications, 1997, 18, 1057-1064.	1.1	13
150	Multimodal Tracking of Controlled Staphylococcus aureus Infections in Mice. ACS Infectious Diseases, 2019, 5, 1160-1168.	3.8	13
151	Hybrid Imaging Labels: Providing the Link Between Mass Spectrometry-Based Molecular Pathology and Theranostics. Theranostics, 2017, 7, 624-633.	10.0	12
152	Diffusion-weighted-preparation (D-prep) MRI as a future extension of SPECT/CT based surgical planning for sentinel node procedures in the head and neck area?. Oral Oncology, 2016, 60, 48-54.	1.5	11
153	Operational framework and training standard requirements for AIâ€empowered robotic surgery. International Journal of Medical Robotics and Computer Assisted Surgery, 2020, 16, 1-13.	2.3	11
154	Optical Navigation of the Drop-In Î³-Probe as a Means to Strengthen the Connection Between Robot-Assisted and Radioguided Surgery. Journal of Nuclear Medicine, 2021, 62, 1314-1317.	5.0	11
155	An activatable, polarity dependent, dual-luminescent imaging agent with a long luminescence lifetime. Chemical Communications, 2014, 50, 9733-9736.	4.1	10
156	A pilot study of SPECT/CT-based mixed-reality navigation towards the sentinel node in patients with melanoma or Merkel cell carcinoma of a lower extremity. Nuclear Medicine Communications, 2016, 37, 812-817.	1.1	10
157	Surgical Navigation: An Overview of the State-of-the-Art Clinical Applications. , 2016, , 57-73.		10
158	Tracers Applied in Radioguided Surgery. , 2016, , 75-101.		10
159	Click Chemistry in the Design and Production of Hybrid Tracers. ACS Omega, 2019, 4, 12438-12448.	3.5	10
160	Regulation of Plasmodium sporozoite motility by formulation components. Malaria Journal, 2019, 18, 155.	2.3	10
161	Fluorescence background quenching as a means to increase Signal to Background ratio - a proof of concept during Nerve Imaging. Theranostics, 2020, 10, 9890-9898.	10.0	10
162	Contribution of phagocytic cells and bacteria to the accumulation of technetium-99m labelled polyclonal human immunoglobulin at sites of inflammation. European Journal of Nuclear Medicine and Molecular Imaging, 1995, 22, 638-644.	2.1	9

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