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List of Publications by Year in descending order

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46 papers	1,346 citations	393982 19 h-index	360668 35 g-index
48 all docs	48 docs citations	48 times ranked	1312 citing authors

#	Article	IF	Citations
1	Visualization of Sentinel Lymph Nodes with Mannosylated Fluorescent Nanodiamonds. Advanced Functional Materials, 2022, 32, .	7.8	16
2	68Ga-labelled desferrioxamine-B for bacterial infection imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 372-382.	3.3	50
3	Preclinical evaluation of antiâ€VEGFR2 monoclonal antibody ramucirumab labelled with zirconiumâ€89 for tumour imaging. Journal of Labelled Compounds and Radiopharmaceuticals, 2021, 64, 262-270.	0.5	4
4	Towards Targeted Alpha Therapy with Actinium-225: Chelators for Mild Condition Radiolabeling and Targeting PSMAâ€"A Proof of Concept Study. Cancers, 2021, 13, 1974.	1.7	25
5	[68Ga]Ga-DFO-c(RGDyK): Synthesis and Evaluation of Its Potential for Tumor Imaging in Mice. International Journal of Molecular Sciences, 2021, 22, 7391.	1.8	1
6	Antifungal Siderophore Conjugates for Theranostic Applications in Invasive Pulmonary Aspergillosis Using Low-Molecular TAFC Scaffolds. Journal of Fungi (Basel, Switzerland), 2021, 7, 558.	1.5	12
7	Noninvasive Combined Diagnosis and Monitoring of Aspergillus and Pseudomonas Infections: Proof of Concept. Journal of Fungi (Basel, Switzerland), 2021, 7, 730.	1.5	11
8	Desferrioxamine B-Mediated Pre-Clinical In Vivo Imaging of Infection by the Mold Fungus Aspergillus fumigatus. Journal of Fungi (Basel, Switzerland), 2021, 7, 734.	1.5	6
9	Preclinical PET and SPECT Instrumentation. , 2021, , .		0
10	Head-To-Head Comparison of Biological Behavior of Biocompatible Polymers Poly(Ethylene Oxide), Poly(2-Ethyl-2-Oxazoline) and Poly[N-(2-Hydroxypropyl)Methacrylamide] as Coating Materials for Hydroxyapatite Nanoparticles in Animal Solid Tumor Model. Nanomaterials, 2020, 10, 1690.	1.9	7
11	Bringing SEM and MSI Closer Than Ever Before: Visualizing Aspergillus and Pseudomonas Infection in the Rat Lungs. Journal of Fungi (Basel, Switzerland), 2020, 6, 257.	1.5	4
12	Hybrid Imaging Agents for Pretargeting Applications Based on Fusarinine Câ€"Proof of Concept. Molecules, 2020, 25, 2123.	1.7	9
13	Siderophore-Based Molecular Imaging of Fungal and Bacterial Infectionsâ€"Current Status and Future Perspectives. Journal of Fungi (Basel, Switzerland), 2020, 6, 73.	1.5	32
14	Hybrid Imaging of Aspergillus fumigatus Pulmonary Infection with Fluorescent, 68Ga-Labelled Siderophores. Biomolecules, 2020, 10, 168.	1.8	29
15	Iodinated Choline Transport-Targeted Tracers. Journal of Medicinal Chemistry, 2020, 63, 15960-15978.	2.9	3
16	Preclinical Evaluation of Radiolabeled Peptides for PET Imaging of Glioblastoma Multiforme. Molecules, 2019, 24, 2496.	1.7	15
17	Comparison of 68Ga-labeled RGD mono- and multimers based on a clickable siderophore-based scaffold. Nuclear Medicine and Biology, 2019, 78-79, 1-10.	0.3	17
18	Modifying the Siderophore Triacetylfusarinine C for Molecular Imaging of Fungal Infection. Molecular Imaging and Biology, 2019, 21, 1097-1106.	1.3	21

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19	In Situ In Vivo radiolabeling of polymer-coated hydroxyapatite nanoparticles to track their biodistribution in mice. Colloids and Surfaces B: Biointerfaces, 2019, 179, 143-152.	2.5	11
20	Early and Non-invasive Diagnosis of Aspergillosis Revealed by Infection Kinetics Monitored in a Rat Model. Frontiers in Microbiology, 2018, 9, 2356.	1.5	23
21	Imaging of Pseudomonas aeruginosa infection with Ga-68 labelled pyoverdine for positron emission tomography. Scientific Reports, 2018, 8, 15698.	1.6	56
22	Pretargeted Imaging with Gallium-68â€"Improving the Binding Capability by Increasing the Number of Tetrazine Motifs. Pharmaceuticals, 2018, 11, 102.	1.7	11
23	Developing Targeted Hybrid Imaging Probes by Chelator Scaffolding. Bioconjugate Chemistry, 2017, 28, 1722-1733.	1.8	23
24	Lasioglossins LLIII affect the morphogenesis of Candida albicans and reduces the duration of experimental vaginal candidiasis in mice. Microbiology and Immunology, 2017, 61, 474-481.	0.7	16
25	Non-invasive and invasive diagnoses of aspergillosis in a rat model by mass spectrometry. Scientific Reports, 2017, 7, 16523.	1.6	23
26	Siderophores for molecular imaging applications. Clinical and Translational Imaging, 2017, 5, 15-27.	1.1	97
27	In Vitro and In Vivo Comparison of Selected Ga-68 and Zr-89 Labelled Siderophores. Molecular Imaging and Biology, 2016, 18, 344-352.	1.3	41
28	Comparison of Ga-68-Labeled Fusarinine C-Based Multivalent RGD Conjugates and [68Ga]NODAGA-RGDâ€"In Vivo Imaging Studies in Human Xenograft Tumors. Molecular Imaging and Biology, 2016, 18, 758-767.	1.3	17
29	Aspergillus infection monitored by multimodal imaging in a rat model. Proteomics, 2016, 16, 1785-1792.	1.3	13
30	Influence of a novel, versatile bifunctional chelator on theranostic properties of a minigastrin analogue. EJNMMI Research, 2015, 5, 74.	1.1	28
31	Selected ⁶⁸Ga-siderophores versus ⁶⁸Ga-colloid and ⁶⁸Ga-citrate: biodistribution and small animal imaging in mice. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2015, 159, 060-066.	0.2	21
32	An Iron-Mimicking, Trojan Horse-Entering Fungiâ€"Has the Time Come for Molecular Imaging of Fungal Infections?. PLoS Pathogens, 2015, 11, e1004568.	2.1	40
33	Novel Bifunctional Cyclic Chelator for 89Zr Labelingâ€"Radiolabeling and Targeting Properties of RGD Conjugates. Molecular Pharmaceutics, 2015, 12, 2142-2150.	2.3	70
34	Chelating polymeric beads as potential therapeutics for Wilsonâ€™s disease. European Journal of Pharmaceutical Sciences, 2014, 62, 1-7.	1.9	9
35	68Ga-Triacetylfusarinine C and 68Ga-Ferrioxamine E for Aspergillus Infection Imaging: Uptake Specificity in Various Microorganisms. Molecular Imaging and Biology, 2014, 16, 102-108.	1.3	78
36	[68Ga]NS3-RGD and [68Ga] Oxo-DO3A-RGD for imaging Î±vÎ²3 integrin expression: synthesis, evaluation, and comparison. Nuclear Medicine and Biology, 2013, 40, 65-72.	0.3	19

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37	Microbial challenge tests on nonradioactive TiO2-based 68Ge/68Ga generator columns. Nuclear Medicine Communications, 2012, 33, 819-823.	0.5	7
38	In vitro and in vivo evaluation of selected 68Ga-siderophores for infection imaging. Nuclear Medicine and Biology, 2012, 39, 361-369.	0.3	78
39	Preclinical evaluation of two 68Ga-siderophores as potential radiopharmaceuticals for Aspergillus fumigatus infection imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2012, 39, 1175-1183.	3.3	108
40	Radiolabelling of peptides for PET, SPECT and therapeutic applications using a fully automated disposable cassette system. Nuclear Medicine Communications, 2011, 32, 887-895.	0.5	33
41	[68Ga]NODAGA-RGD for imaging Î±vÎ²3 integrin expression. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 1303-1312.	3.3	111
42	⁶⁸Ga-Siderophores for PET Imaging of Invasive Pulmonary Aspergillosis: Proof of Principle. Journal of Nuclear Medicine, 2010, 51, 639-645.	2.8	116
43	Impurity in 68Ga-Peptide Preparation Using Processed Generator Eluate. Journal of Nuclear Medicine, 2010, 51, 495.1-495.	2.8	11
44	Complexation and biodistribution study of 111In and 90Y complexes of bifunctional phosphinic acid analogs of H4dota. Applied Radiation and Isotopes, 2009, 67, 21-29.	0.7	10
45	In vitro comparison of renal handling and uptake of two somatostatin receptor-specific peptides labeled with indium-111. Annals of Nuclear Medicine, 2008, 22, 859-867.	1.2	7
46	Radiolabelling of glucose-Tyr3-octreotate with 125I and analysis of its metabolism in rats: comparison with radiolabelled DOTA-Tyr3-octreotate. Anticancer Research, 2007, 27, 3941-6.	0.5	6