

Milos Petrik

List of Publications by Year in descending order

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Version: 2024-02-01

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	⁶⁸ Ga-Siderophores for PET Imaging of Invasive Pulmonary Aspergillosis: Proof of Principle. <i>Journal of Nuclear Medicine</i> , 2010, 51, 639-645.	2.8	116
2	[⁶⁸ Ga]NODAGA-RGD for imaging $\alpha_5\beta_3$ integrin expression. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 1303-1312.	3.3	111
3	Preclinical evaluation of two ⁶⁸ Ga-siderophores as potential radiopharmaceuticals for <i>Aspergillus fumigatus</i> infection imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2012, 39, 1175-1183.	3.3	108
4	Siderophores for molecular imaging applications. <i>Clinical and Translational Imaging</i> , 2017, 5, 15-27.	1.1	97
5	In vitro and in vivo evaluation of selected ⁶⁸ Ga-siderophores for infection imaging. <i>Nuclear Medicine and Biology</i> , 2012, 39, 361-369.	0.3	78
6	⁶⁸ Ga-Triacetylfusarinine C and ⁶⁸ Ga-Ferrioxamine E for <i>Aspergillus</i> Infection Imaging: Uptake Specificity in Various Microorganisms. <i>Molecular Imaging and Biology</i> , 2014, 16, 102-108.	1.3	78
7	Novel Bifunctional Cyclic Chelator for ⁸⁹ Zr Labeling—Radiolabeling and Targeting Properties of RGD Conjugates. <i>Molecular Pharmaceutics</i> , 2015, 12, 2142-2150.	2.3	70
8	Imaging of <i>Pseudomonas aeruginosa</i> infection with Ga-68 labelled pyoverdine for positron emission tomography. <i>Scientific Reports</i> , 2018, 8, 15698.	1.6	56
9	⁶⁸ Ga-labelled desferrioxamine-B for bacterial infection imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 372-382.	3.3	50
10	In Vitro and In Vivo Comparison of Selected Ga-68 and Zr-89 Labelled Siderophores. <i>Molecular Imaging and Biology</i> , 2016, 18, 344-352.	1.3	41
11	An Iron-Mimicking, Trojan Horse-Entering Fungi—Has the Time Come for Molecular Imaging of Fungal Infections?. <i>PLoS Pathogens</i> , 2015, 11, e1004568.	2.1	40
12	Radiolabelling of peptides for PET, SPECT and therapeutic applications using a fully automated disposable cassette system. <i>Nuclear Medicine Communications</i> , 2011, 32, 887-895.	0.5	33
13	Siderophore-Based Molecular Imaging of Fungal and Bacterial Infections—Current Status and Future Perspectives. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 73.	1.5	32
14	Hybrid Imaging of <i>Aspergillus fumigatus</i> Pulmonary Infection with Fluorescent, ⁶⁸ Ga-Labelled Siderophores. <i>Biomolecules</i> , 2020, 10, 168.	1.8	29
15	Influence of a novel, versatile bifunctional chelator on theranostic properties of a minigastrin analogue. <i>EJNMMI Research</i> , 2015, 5, 74.	1.1	28
16	Towards Targeted Alpha Therapy with Actinium-225: Chelators for Mild Condition Radiolabeling and Targeting PSMA—A Proof of Concept Study. <i>Cancers</i> , 2021, 13, 1974.	1.7	25
17	Developing Targeted Hybrid Imaging Probes by Chelator Scaffolding. <i>Bioconjugate Chemistry</i> , 2017, 28, 1722-1733.	1.8	23
18	Non-invasive and invasive diagnoses of aspergillosis in a rat model by mass spectrometry. <i>Scientific Reports</i> , 2017, 7, 16523.	1.6	23

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19	Early and Non-invasive Diagnosis of Aspergillosis Revealed by Infection Kinetics Monitored in a Rat Model. <i>Frontiers in Microbiology</i> , 2018, 9, 2356.	1.5	23
20	Selected ⁶⁸ Ga-siderophores versus ⁶⁸ Ga-colloid and ⁶⁸ Ga-citrate: biodistribution and small animal imaging in mice. <i>Biomedical Papers of the Medical Faculty of the University Palacký&#x0301;, Olomouc, Czechoslovakia</i> , 2015, 159, 060-066.	0.2	21
21	Modifying the Siderophore Triacetylfusarinine C for Molecular Imaging of Fungal Infection. <i>Molecular Imaging and Biology</i> , 2019, 21, 1097-1106.	1.3	21
22	[⁶⁸ Ga]NS3-RGD and [⁶⁸ Ga] Oxo-DO3A-RGD for imaging α _v β ₃ integrin expression: synthesis, evaluation, and comparison. <i>Nuclear Medicine and Biology</i> , 2013, 40, 65-72.	0.3	19
23	Comparison of Ga-68-Labeled Fusarinine C-Based Multivalent RGD Conjugates and [⁶⁸ Ga]NODAGA-RGDâ€™In Vivo Imaging Studies in Human Xenograft Tumors. <i>Molecular Imaging and Biology</i> , 2016, 18, 758-767.	1.3	17
24	Comparison of ⁶⁸ Ga-labeled RGD mono- and multimers based on a clickable siderophore-based scaffold. <i>Nuclear Medicine and Biology</i> , 2019, 78-79, 1-10.	0.3	17
25	Lasioglossins LLIII affect the morphogenesis of <i>Candida albicans</i> and reduces the duration of experimental vaginal candidiasis in mice. <i>Microbiology and Immunology</i> , 2017, 61, 474-481.	0.7	16
26	Visualization of Sentinel Lymph Nodes with Mannosylated Fluorescent Nanodiamonds. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	16
27	Preclinical Evaluation of Radiolabeled Peptides for PET Imaging of Glioblastoma Multiforme. <i>Molecules</i> , 2019, 24, 2496.	1.7	15
28	<i>Aspergillus</i> infection monitored by multimodal imaging in a rat model. <i>Proteomics</i> , 2016, 16, 1785-1792.	1.3	13
29	Antifungal Siderophore Conjugates for Theranostic Applications in Invasive Pulmonary Aspergillosis Using Low-Molecular TAFC Scaffolds. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 558.	1.5	12
30	Impurity in ⁶⁸ Ga-Peptide Preparation Using Processed Generator Eluate. <i>Journal of Nuclear Medicine</i> , 2010, 51, 495.1-495.	2.8	11
31	Pretargeted Imaging with Gallium-68â€™Improving the Binding Capability by Increasing the Number of Tetrazine Motifs. <i>Pharmaceutics</i> , 2018, 11, 102.	1.7	11
32	In Situ In Vivo radiolabeling of polymer-coated hydroxyapatite nanoparticles to track their biodistribution in mice. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 179, 143-152.	2.5	11
33	Noninvasive Combined Diagnosis and Monitoring of <i>Aspergillus</i> and <i>Pseudomonas</i> Infections: Proof of Concept. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 730.	1.5	11
34	Complexation and biodistribution study of ¹¹¹ In and ⁹⁰ Y complexes of bifunctional phosphinic acid analogs of H4dota. <i>Applied Radiation and Isotopes</i> , 2009, 67, 21-29.	0.7	10
35	Chelating polymeric beads as potential therapeutics for Wilsonâ€™s disease. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 62, 1-7.	1.9	9
36	Hybrid Imaging Agents for Pretargeting Applications Based on Fusarinine Câ€™Proof of Concept. <i>Molecules</i> , 2020, 25, 2123.	1.7	9

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37	In vitro comparison of renal handling and uptake of two somatostatin receptor-specific peptides labeled with indium-111. <i>Annals of Nuclear Medicine</i> , 2008, 22, 859-867.	1.2	7
38	Microbial challenge tests on nonradioactive TiO ₂ -based ⁶⁸ Ge/ ⁶⁸ Ga generator columns. <i>Nuclear Medicine Communications</i> , 2012, 33, 819-823.	0.5	7
39	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. <i>Nanomaterials</i> , 2020, 10, 1690.	1.9	7
40	Desferrioxamine B-Mediated Pre-Clinical In Vivo Imaging of Infection by the Mold Fungus <i>Aspergillus fumigatus</i> . <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 734.	1.5	6
41	Radiolabelling of glucose-Tyr ³ -octreotate with ¹²⁵ I and analysis of its metabolism in rats: comparison with radiolabelled DOTA-Tyr ³ -octreotate. <i>Anticancer Research</i> , 2007, 27, 3941-6.	0.5	6
42	Bringing SEM and MSI Closer Than Ever Before: Visualizing <i>Aspergillus</i> and <i>Pseudomonas</i> Infection in the Rat Lungs. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 257.	1.5	4
43	Preclinical evaluation of anti-VEGFR2 monoclonal antibody ramucirumab labelled with zirconium-89 for tumour imaging. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2021, 64, 262-270.	0.5	4
44	Iodinated Choline Transport-Targeted Tracers. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 15960-15978.	2.9	3
45	[⁶⁸ Ga]Ga-DFO-c(RGDyK): Synthesis and Evaluation of Its Potential for Tumor Imaging in Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7391.	1.8	1
46	Preclinical PET and SPECT Instrumentation. , 2021, , .		0