# Johannes Notni

List of Publications by Year
in descending order



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|---|---|---|---|
| 60 papers | 2,724 citations | 218677 26 h-index | 182427 51 g-index |
| 67 all docs | 67 docs citations | 67 times ranked | 3190 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A Comprehensive Evaluation of the Activity and Selectivity Profile of Ligands for RGD-binding Integrins. Scientific Reports, 2017, 7, 39805. | 3.3 | 425 |
| 2 | Exploring the Role of RGD-Recognizing Integrins in Cancer. Cancers, 2017, 9, 116. | 3.7 | 308 |
| 3 | A Triazacyclononaneâ€Based Bifunctional Phosphinate Ligand for the Preparation of Multimeric <sup>68</sup>Ga Tracers for Positron Emission Tomography. Chemistry - A European Journal, 2010, 16, 7174-7185. | 3.3 | 138 |
| 4 | TRAP, a Powerful and Versatile Framework for Galliumâ€68 Radiopharmaceuticals. Chemistry - A European Journal, 2011, 17, 14718-14722. | 3.3 | 136 |
| 5 | Comparative gallium-68 labeling of TRAP-, NOTA-, and DOTA-peptides: practical consequences for the future of gallium-68-PET. EJNMMI Research, 2012, 2, 28. | 2.5 | 100 |
| 6 | Complexation of Metal Ions with TRAP (1,4,7-Triazacyclononane Phosphinic Acid) Ligands and 1,4,7-Triazacyclononane-1,4,7-triacetic Acid: Phosphinate-Containing Ligands as Unique Chelators for Trivalent Gallium. Inorganic Chemistry, 2012, 51, 577-590. | 4.0 | 96 |
| 7 | 68Ga-NODAGA-RGD is a suitable substitute for 18F-Galacto-RGD and can be produced with high specific activity in a cGMP/GRP compliant automated process. Nuclear Medicine and Biology, 2012, 39, 777-784. | 0.6 | 93 |
| 8 | Be spoilt for choice with radiolabelled RGD peptides: Preclinical evaluation of 68Ga-TRAP(RGD)3. Nuclear Medicine and Biology, 2013, 40, 33-41. | 0.6 | 84 |
| 9 | 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 |
| 10 | Reâ€thinking the role of radiometal isotopes: Towards a future concept for theranostic radiopharmaceuticals. Journal of Labelled Compounds and Radiopharmaceuticals, 2018, 61, 141-153. | 1.0 | 70 |
| 11 | How is <sup>68</sup>Ga Labeling of Macrocyclic Chelators Influenced by Metal Ion Contaminants in <sup>68</sup>Ge/<sup>68</sup>Ga Generator Eluates?. ChemMedChem, 2013, 8, 95-103. | 3.2 | 63 |
| 12 | Phosphinic Acid Functionalized Polyazacycloalkane Chelators for Radiodiagnostics and Radiotherapeutics: Unique Characteristics and Applications. ChemMedChem, 2014, 9, 1107-1115. | 3.2 | 57 |
| 13 | Comparison of cyclic RGD peptides for Î±vÎ²3 integrin detection in a rat model of myocardial infarction. EJNMMI Research, 2013, 3, 38. | 2.5 | 51 |
| 14 | Benefits of NOPO As Chelator in Gallium-68 Peptides, Exemplified by Preclinical Characterization of 68Ga-NOPOâ€“c(RGDfK). Molecular Pharmaceutics, 2014, 11, 1687-1695. | 4.6 | 49 |
| 15 | A shortcut to high-affinity Ga-68 and Cu-64 radiopharmaceuticals: one-pot click chemistry trimerisation on the TRAP platform. Dalton Transactions, 2015, 44, 11137-11146. | 3.3 | 49 |
| 16 | In Vivo PET Imaging of the Cancer Integrin Î±vÎ²6 Using <sup>68</sup>Ga-Labeled Cyclic RGD Nonapeptides. Journal of Nuclear Medicine, 2017, 58, 671-677. | 5.0 | 49 |
| 17 | Zinc Thiolate Complexes [ZnLn(SR)]+ with Azamacrocyclic Ligands: Synthesis and Structural Properties. European Journal of Inorganic Chemistry, 2006, 2006, 1444-1455. | 2.0 | 43 |
| 18 | Tailored Gallium(III) Chelator NOPO: Synthesis, Characterization, Bioconjugation, and Application in Preclinical Ga-68-PET Imaging. Molecular Pharmaceutics, 2014, 11, 3893-3903. | 4.6 | 43 |

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|---|---|---|---|
| 19 | A Monoreactive Bifunctional Triazacyclononane Phosphinate Chelator with High Selectivity for Galliumâ€68. ChemMedChem, 2012, 7, 1375-1378. | 3.2 | 40 |
| 20 | A Practical Guide on the Synthesis of Metal Chelates for Molecular Imaging and Therapy by Means of Click Chemistry. Chemistry - A European Journal, 2016, 22, 11500-11508. | 3.3 | 38 |
| 21 | Complementary, Selective PET Imaging of Integrin Subtypes Î±5Î²1 and Î±vÎ²3 Using 68Ga-Aquibeprin and 68Ga-Avebetrin. Journal of Nuclear Medicine, 2016, 57, 460-466. | 5.0 | 35 |
| 22 | Molar Activity of Ga-68 Labeled PSMA Inhibitor Conjugates Determines PET Imaging Results. Molecular Pharmaceutics, 2018, 15, 4296-4302. | 4.6 | 35 |
| 23 | A Cyclenâ€Based Tetraphosphinate Chelator for the Preparation of Radiolabeled Tetrameric Bioconjugates. Chemistry - A European Journal, 2013, 19, 7748-7757. | 3.3 | 34 |
| 24 | Selective Targeting of Integrin Î±vÎ²8 by a Highly Active Cyclic Peptide. Journal of Medicinal Chemistry, 2019, 62, 2024-2037. | 6.4 | 33 |
| 25 | Bone-seeking TRAP conjugates: surprising observations and their implications on the development of gallium-68-labeled bisphosphonates. EJNMMI Research, 2012, 2, 13. | 2.5 | 29 |
| 26 | Copper-64 labelling of triazacyclononane-triphosphinate chelators. Dalton Transactions, 2012, 41, 13803. | 3.3 | 27 |
| 27 | Variation of Specific Activities of <sup>68</sup>Ga-Aquibeprin and <sup>68</sup>Ga-Avebetrin Enables Selective PET Imaging of Different Expression Levels of Integrins Î±<sub>5</sub>Î²<sub>1</sub> and Î±<sub>v</sub>Î²<sub>3</sub>. Journal of Nuclear Medicine, 2016, 57, 1618-1624. | 5.0 | 27 |
| 28 | From a Helix to a Small Cycle: Metadynamicsâ€Inspired Î±vÎ²6 Integrin Selective Ligands. Angewandte Chemie - International Edition, 2018, 57, 14645-14649. | 13.8 | 26 |
| 29 | PET/CT imaging of head-and-neck and pancreatic cancer in humans by targeting the â€œCancer Integrinâ€• Î±vÎ²6 with Ga-68-Trivehexin. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 1136-1147. | 6.4 | 25 |
| 30 | Perspective of Î±vÎ²6-Integrin Imaging for Clinical Management of Pancreatic Carcinoma and Its Precursor Lesions. Molecular Imaging, 2017, 16, 153601211770938. | 1.4 | 24 |
| 31 | Efficient formation of inert Bi-213 chelates by tetraphosphorus acid analogues of DOTA: towards improved alpha-therapeutics. EJNMMI Research, 2018, 8, 78. | 2.5 | 24 |
| 32 | Structural Study of Ga(III), In(III), and Fe(III) Complexes of Triaza-Macrocycle Based Ligands with N3S3 Donor Set. Inorganic Chemistry, 2009, 48, 3257-3267. | 4.0 | 23 |
| 33 | Convenient Synthesis of <sup>68</sup>Gaâ€Labeled Gadolinium(III) Complexes: Towards Bimodal Responsive Probes for Functional Imaging with PET/MRI. Chemistry - A European Journal, 2013, 19, 12602-12606. | 3.3 | 23 |
| 34 | Therapeutic Radiopharmaceuticals Targeting Integrin Î±vÎ²6. ACS Omega, 2018, 3, 2428-2436. | 3.5 | 23 |
| 35 | In vivo biokinetic and metabolic characterization of the 68Ga-labelled Î±5Î²1-selective peptidomimetic FR366. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 953-963. | 6.4 | 22 |
| 36 | Clickâ€Chemistry (CuAAC) Trimerization of an Î±<sub>v</sub>Î²<sub>6</sub> Integrin Targeting Gaâ€68â€Peptide: Enhanced Contrast for inâ€Vivo PET Imaging of Human Lung Adenocarcinoma Xenografts. ChemBioChem, 2020, 21, 2836-2843. | 2.6 | 20 |

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|---|---|---|---|
| 37 | Dualâ€Nuclide Radiopharmaceuticals for Positron Emission Tomography Based Dosimetry in Radiotherapy. Chemistry - A European Journal, 2018, 24, 547-550. | 3.3 | 19 |
| 38 | Firstâ€Generation Bispidine Chelators for <sup>213</sup>Bi<sup>III</sup> Radiopharmaceutical Applications. ChemMedChem, 2020, 15, 1591-1600. | 3.2 | 19 |
| 39 | Dendritic poly-chelator frameworks for multimeric bioconjugation. Chemical Communications, 2017, 53, 2586-2589. | 4.1 | 18 |
| 40 | <i>N</i>-Methylation of <i>iso</i>DGR Peptides: Discovery of a Selective Î±5Î²1-Integrin Ligand as a Potent Tumor Imaging Agent. Journal of Medicinal Chemistry, 2018, 61, 2490-2499. | 6.4 | 18 |
| 41 | In vivo imaging of early stages of rheumatoid arthritis by Î±5Î²1-integrin-targeted positron emission tomography. EJNMMI Research, 2019, 9, 87. | 2.5 | 17 |
| 42 | Theranostic Value of Multimers: Lessons Learned from Trimerization of Neurotensin Receptor Ligands and Other Targeting Vectors. Pharmaceuticals, 2017, 10, 29. | 3.8 | 16 |
| 43 | The Influence of the Combination of Carboxylate and Phosphinate Pendant Arms in 1,4,7-Triazacyclononane-Based Chelators on Their 68Ga Labelling Properties. Molecules, 2015, 20, 13112-13126. | 3.8 | 15 |
| 44 | There is a world beyond Î±vÎ²3-integrin: Multimeric ligands for imaging of the integrin subtypes Î±vÎ²6, Î±vÎ²8, Î±vÎ²3, and Î±5Î²1 by positron emission tomography. EJNMMI Research, 2021, 11, 106. | 2.5 | 14 |
| 45 | Dimer formation of GdDO3A-arylsulfonamide complexes causes loss of pH-dependency of relaxivity. Dalton Transactions, 2017, 46, 16828-16836. | 3.3 | 13 |
| 46 | Lanthanide(<scp>iii</scp>) complexes of monophosphinate/monophosphonate DOTA-analogues: effects of the substituents on the formation rate and radiolabelling yield. Dalton Transactions, 2018, 47, 13006-13015. | 3.3 | 11 |
| 47 | PIDAZTA: Structurally Constrained Chelators for the Efficient Formation of Stable Galliumâ€68 Complexes at Physiological pH. Chemistry - A European Journal, 2019, 25, 10698-10709. | 3.3 | 11 |
| 48 | Towards <sup>213</sup>Bi alpha-therapeutics and beyond: unravelling the foundations of efficient Bi<sup>III</sup> complexation by DOTP. Inorganic Chemistry Frontiers, 2021, 8, 3893-3904. | 6.0 | 11 |
| 49 | MAâ€NOTMP: A Triazacyclononane Trimethylphosphinate Based Bifunctional Chelator for Gallium Radiolabelling of Biomolecules. ChemMedChem, 2015, 10, 1475-1479. | 3.2 | 10 |
| 50 | Tracking a TGF-Î² activator in vivo: sensitive PET imaging of Î±vÎ²8-integrin with the Ga-68-labeled cyclic RGD octapeptide trimer Ga-68-Triveoctin. EJNMMI Research, 2020, 10, 133. | 2.5 | 10 |
| 51 | PSMA PET Imaging in Glioblastoma: A Preclinical Evaluation and Theranostic Outlook. Frontiers in Oncology, 2021, 11, 774017. | 2.8 | 10 |
| 52 | Equilibrium Thermodynamics, Formation, and Dissociation Kinetics of Trivalent Iron and Gallium Complexes of Triazacyclononane-Triphosphinate (TRAP) Chelators: Unraveling the Foundations of Highly Selective Ga-68 Labeling. Frontiers in Chemistry, 2018, 6, 170. | 3.6 | 9 |
| 53 | Synthesis of Symmetrical Tetrameric Conjugates of the Radiolanthanide Chelator DOTPI for Application in Endoradiotherapy by Means of Click Chemistry. Frontiers in Chemistry, 2018, 6, 107. | 3.6 | 8 |
| 54 | Gender-Specific Efficacy Revealed by Head-to-Head Comparison of Pasireotide and Octreotide in a Representative In Vivo Model of Nonfunctioning Pituitary Tumors. Cancers, 2021, 13, 3097. | 3.7 | 8 |

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| 55 | PET/CT imaging of pancreatic carcinoma targeting the â€œcancer integrinâ€•Î±vÎ²6. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 4107-4108. | 6.4 | 8 |
| 56 | Itâ€™s Time to Shift the Paradigm: Translation and Clinical Application of Non-Î±vÎ²3 Integrin Targeting Radiopharmaceuticals. Cancers, 2021, 13, 5958. | 3.7 | 6 |
| 57 | PSMA-Targeted Therapeutics: A Tale About Law and Economics. Journal of Nuclear Medicine, 2021, 62, 1482-1482. | 5.0 | 5 |
| 58 | Von einer Helix zu einem kleinen Ring: Metadynamikâ€•inspirierte, selektive Liganden fÃ¼r Î±vÎ²6â€•Integrin. Angewandte Chemie, 2018, 130, 14856-14860. | 2.0 | 3 |
| 59 | NIR Fluorescence Imaging of Colon Cancer with cRGD-ZW800-1â€"Letter. Clinical Cancer Research, 2021, 27, 4937-4937. | 7.0 | 2 |
| 60 | Al(iii)-NTA-fluoride: a simple model system for Alâ€"F binding with interesting thermodynamics. Dalton Transactions, 2020, 49, 13726-13736. | 3.3 | 0 |