

List of publications

(PDF-files are available on request)

2021

338. PET Imaging of Meningioma Using the Novel SSTR-Targeting Peptide 18F-SiTATE.

Unterrainer M, Lindner S, Beyer L, Gildehaus FJ, Todica A, Mittlmeier LM, Jurkschat K, Wängler C, Wängler B, Schirmacher R, Tonn JC, Albert NL, Bartenstein P, Ilhan H.

Clin Nucl Med. **2021**, *46*, 46(8): 667-668. doi: 10.1097/RLU.0000000000003607.

PMID: 33782306.

337. Recent Advances in the Clinical Translation of Silicon Fluoride Acceptor (SiFA) 18F-Radiopharmaceuticals

Lexi Gower-Fry, Travis Kronemann, Andreas Dorian, Yinglan Pu, Carolin Jaworski, Carmen Wängler, Peter Bartenstein, Leonie Beyer, Simon Lindner, Klaus Jurkschat, Björn Wängler, Justin J. Bailey and Ralf Schirmacher

Pharmaceuticals **2021**, *14*, 701. <https://doi.org/10.3390/ph14070701>

336. Molecular Cage Assembly via Sn–O–Sn Bridging of di-, tri- and Tetranuclear Organotin Tectons. Extending the Spacing in Double Ladder Structures

Irán Rojas-León, Gelen Gómez-Jaimes, Pedro Montes-Tolentino, Wolf Hiller, Hazem Alnasr, Braulio Rodríguez-Molina, Irán F. Hernández-Ahuactzi, Hiram Beltrán, Klaus Jurkschat, Herbert Höpfl

Chem. Eur. J. **2021**, *27*, 12276–12283. doi.org/10.1002/chem.202101055

335. Organotin(IV) derivatives containing heteroditopic pyridyl-quinolin-8-olate ligands: Synthesis and structures

Tushar S. Basu Baul, Anurag Chaurasiya, Banteilang Lyngdoh Nonglait, Antonin Lyčka, Dieter Schollmeyer, Klaus Jurkschat

J. Organomet. Chem. **2021**, <https://doi.org/10.1016/j.jorganchem.2021.121898>
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334. Dinuclear organotin building blocks and their conversion into a tetranuclear macrocycle containing Sn–O–Sn linkages

Gelen Gómez-Jaimes, Irán Rojas León, Rodolfo Martínez Romero, Hiram I. Beltrán, Braulio Rodríguez-Molina, Wolf Hiller, Klaus Jurkschat, Irán F. Hernández, Herbert Höpfl

Eur. J. Inorg. Chem. **2021**, 22, 2148 – 2162. <https://doi.org/10.1002/ejic.202100186>

333. Dosimetry and optimal scan time of [F-18]SiTATE-PET/CT in patients with neuroendocrine tumours

Beyer, Leonie ; Gosewisch, Astrid ; Lindner, Simon); Voelter, Friederike; Mittlmeier, Lena M.; Tiling, Reinhold; Brendel, Matthias; Cyran, Clemens C.; Unterrainer, Marcus; Ruebenthaler, Johannes; Auernhammer, Christoph J.; Spitzweg, Christine; Boening, Guido ; Gildehaus, F. J.; Jurkschat, Klaus; Wängler, Carmen; Wängler, Bjoern; Schirmacher, Ralf; Wenter, Vera; Todica, Andrei; Bartenstein, Peter; Ilhan, Harun

Eur. J. Nucl. Med. Mol. Imaging, **2021**, Apr 29. DOI: 10.1007/s00259-021-05351-x,

2020

332. MeSi(CH₂SnRO)₃ (R = Ph, Me₃SiCH₂): Building blocks for triangular-shaped diorganotin oxide macrocycles

Jihed Ayari, Christian Göb, Iris Oppel, Michael Lutter, Wolf Hiller, Klaus Jurkschat

Angew. Chem. Int. Ed. **2020**, 59, 23892 – 23898.

331. Radiosynthesis of [18F]SiFAlin-TATE ([18F]SiTATE) for clinical neuroendocrine tumor Positron Emission Tomography

Simon Lindner, Carmen Wängler, Justin J. Bailey, Klaus Jurkschat, Peter Bartenstein, Björn Wängler, Ralf Schirmacher

Nature Protocols **2020**, 15, 3827–3843.

- 330.** Water-soluble organotin compounds. Syntheses, structures and reactivity towards fluoride anion in water
Nour Alashkar, Massimiliano Arca, Hazem Alnasr, Michael Lutter, Vito Lippolis
Klaus Jurkschat
Eur. J. Inorg. Chem. **2020**, 3925 – 3936.
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- 329.** Automated production of [¹⁸F]SiTATE on a Scintomics GRP™ platform for PET/CT imaging of neuroendocrine tumors
Simon Lindner, Marcel Simmet, Franz Josef Gildehaus, Klaus Jurkschat, Carmen Wängler, Björn Wängler, Peter Bartenstein, Ralf Schirmacher, Harun Ilhan
Nuclear Medicine and Biology **2020**, 88–89, 86–95.
- 328.** Dinuclear organotin compounds carrying naphthylene- and biphenylene-spacer groups
Irán Rojas-León, María G. Hernández-Cruz, Eva C. Vargas-Olvera, Herbert Höpfl, Hazem Alnasr, Klaus Jurkschat
J. Organomet. Chem. **2020**, 920,
<https://doi.org/10.1016/j.jorganchem.2020.121344>
- 327.** Crystal structural and *in silico* studies of Schiff bases derived from 4-aminoantipyrine
Valentine Ossai , Ayogu Patrick Obiefuna , Bulus Caleb Laraps , Obinna Ugochukwu Okenyeka, Julius Chigozie Ezeorah, Necmi Dege, Akachukwu Ibezim, Michael Lutter, Klaus Jurkschat, Nnamdi Lawrence Obasi
Solid State Sciences **2020**, 106, 106293.
- 326.** Diorganotin Compounds Containing α -Aminoacidato Schiff Base Ligands Derived from Functionalized 2-Hydroxy-5-(aryldiazenyl)benzaldehyde. Syntheses, Structures and Sensing of Hydrogen Sulfide
Tushar S. Basu Baul, Anurag Chaurasiya, Monosh Rabha, Snehadrinarayan Khatua, Antonin Lyčka, Dieter Schollmeyer, and Klaus Jurkschat
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- 325.** Biodistribution and first clinical results of ^{18}F -SiFAlin-TATE PET:
a novel ^{18}F -labeled somatostatin analog for imaging of neuroendocrine tumors
Harun Ilhan, S. Lindner, A. Todica, C. C. Cyran, R. Tiling, C. J. Auernhammer,
C. Spitzweg, S. Boeck, M. Unterrainer, F. J. Gildehaus, G. Böning, K.
Jurkschat, C. Wängler, B. Wängler, R. Schirmacher, P. Bartenstein
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<https://doi.org/10.1007/s00259-019-04501-6>

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- 324.** Structural, computational and in silico studies of Schiff bases derived from 2,3-dihydroxybenzaldehyde and molecular structure of their zwitterionic forms
L. N. Obasi, J. C. Ezeorah, V. O. Ayogu, J. U. S. Oruma, A. Ibezim, M. Lutter, L. Rhyman, K. Jurkschat, N. Dege, P. Ramasami
J. Molecular Chem. **2019**, 1188, 69-75.
<https://doi.org/10.1016/j.molstruc.2019.03.081>
- 323.** Formation of Metal-Based 21- and 22-Membered Macrocycles from Dinuclear Organotin Tectons and Ditopic Organic Ligands Carrying Carboxylate or Dithiocarbamate Groups
Irán Rojas-León, Hazem Alnasr, Klaus Jurkschat, María G. Vasquez-RíoGelen Gómez-Jaimes, Herbert Höpfl, Irán F. Hernández-Ahuactzí, Rosa Santillan
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- 322.** Control of Λ , Δ -Isomerization of the Atrane Cages in Group XIV Metallatranes by Chiral Axial Substituents
Britta Glowacki, Michael Lutter, Wolf Hiller, Klaus Jurkschat
Inorg. Chem. **2019**, 58, 4244–4252.
- 321.** A novel ferrocene-backboned unsymmetrical pincer-type proligand and its organotin derivatives
Matthias Gawron, Bastian Nayyar, Christina Krabbe, Michael Lutter, Klaus Jurkschat
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- 320.** The sodium chloride complex *catena*-poly[[[μ_3 -2-[bis(2-hydroxyethyl)amino]ethan-1-ol]sodium]chloride], $N(\text{CH}_2\text{CH}_2\text{OH})_3 \cdot \text{NaCl}$
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- 319.** GlucoSiFA and LactoSiFA: New Types of Carbohydrate-Tagged Silicon-Based Fluoride Acceptors for ¹⁸F-Positron Emission Tomography (PET)
Anja Wiegand, Vera Wiese, Britta Glowacki, Ljuba Iovkova, Ralf Schirmacher, Klaus Jurkschat, Norbert Krause
Synthesis **2019**, 51,1196-1206.
- 318.** Insight into the Electron Density Distribution in an O,N-Heterocyclic Stannylene by High-Resolution X-ray Diffraction Analysis
Maxim G. Chegerev, Alexandr V. Piskunov, Kseniya V. Tsys, Andrey G. Starikov, Klaus Jurkschat, Evgeny V. Baranov, Adam I. Stash, and Georgy K. Fukin
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- 317.** “Silicon-based ¹⁸F-radiopharmaceuticals: from basic SiFA chemistry toward its clinical application“
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- 316.** "Cis versus Trans: The Coordination Environment About the Tin(IV) Atom in Spirocyclic Amino Alcohol Derivatives"
Britta Glowacki, Roman Pallach, Michael Lutter, Fabian Roesler, Hazem Alnasr, Cederic Thomas, Dieter Schollmeyer, Klaus Jurkschat
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Michael Lutter, Klaus Jurkschat
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- 314.** Lone pair– π vs. σ -hole– π interactions in bromine head-containing oxacalix[2]arene[2]triazines
Muhammad Moazzam Naseer, Antonio Bauzá, Hazem Alnasr, Klaus Jurkschat, Antonio Frontera
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- 313.** The *tert*-butylaminomethyl(mesityl)phosphinic acid ester and formation of its zinc dichloride complex: syntheses and characterization
Michael Lutter, Lukas M. Stratmann, Klaus Jurkschat
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Irán Rojas-León, Hazem Alnasr, Klaus Jurkschat, María G. Vasquez-Ríos, Irán F. Hernández-Ahuactzi, and Herbert Höpfl
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- 311.** N-Functionalized Ferrocenes. Subvalent Group XIV Element Chlorides and an tButyl Lithium-Induced C—C Bond Cleavage Under Mild Conditions
Bastian Nayyar, Hazem Alnasr, Wolf Hiller, and Klaus Jurkschat
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- 310.** Rational syntheses and serendipity: the compounds $[\text{LSnPtCl}_2(\text{SMe}_2)]_2$, $[\{\text{LSnPtCl}(\text{SMe}_2)\}_2\text{SnCl}_2]$, $[(\text{LSn})_3(\text{PtCl}_2)(\text{PtClSnCl})\{\text{LSn}(\text{Cl})\text{OH}\}]$ and $[\text{O}(\text{SnCl})_2(\text{SnL})_2]$ with $\text{L} = \text{MeN}(\text{CH}_2\text{CMe}_2\text{O})_2$
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- 309.** Organotin-functionalized Crown Ethers as Ditopic Hosts for Lithium Salts: Synthesis, Structures and Complexation Studies of $\text{X}_3\text{SnCH}_2[16]\text{-crown-5}$ ($\text{X} = \text{I}, \text{Br}, \text{Cl}$)
Verena Arens, Muhammad Moazzam Naseer, Michael Lutter, Ljuba Iovkova-Behrens, Klaus Jurkschat
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- 308.** ^{18}F -Radiolabeling and In Vivo Analysis of SiFA-Derivatized Polymeric Core–Shell Nanoparticles
Sheldon Berke, Anne-Larissa Kampmann, Melinda Wuest, Justin J. Bailey, Britta Glowacki, Frank Wuest, Klaus Jurkschat, Ralf Weberskirch, and Ralf Schirmacher
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- 307.** Interplay of Lewis acidity, intramolecular O→Sn interactions and selectivity: Organotin-functionalized crown ethers as ditopic hosts for sodium and potassium halides
Alain Charly Tagne Kuate, Muhammad Moazzam Naseer, Michael Lutter and Klaus Jurkschat
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Julius Chigozie Ezeorah, Valentine Ossai, Lawrence Nnamdi Obasi, Mohamed I. Elzagheid, Lydia Rhyman, Michael Lutter, Klaus Jurkschat, Necmi Dege, Ponnadurai Ramasami
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Bastian Nayyar, Ramid Kapoor, Michael Lutter, Hazem Alnasr, Klaus Jurkschat
Eur. J. Inorg. Chem., **2017**, 33, 3967–3978.
- 304.** Synthesis, characterization, antimicrobial screening and in silico studies of Schiff bases derived from trans-paramethoxycinnamaldehyde
N.L. Obasi, G.U. Kaior, A. Ibezim, Alfred E. Ochonogor, Lydia Rhyman, Veikko Uahengo, Michael Lutter, Klaus Jurkschat, Ponnadurai Ramasami
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Michael Lutter, Vinusuya Gock and Klaus Jurkschat
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- 302.** "Novel Ferrocene-Based Potentially D,C,D-Coordinating (D = O, S) Pincer-Type Pro-Ligands and Their Organotin Derivatives"
Bastian Nayyar, Stefan Koop, Michael Lutter, Klaus Jurkschat
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Muhammad Moazzam Naseera, and Klaus Jurkschat
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Britta Glowacki, Michael Lutter, Hazem Alnasr, Rana Seymen, Wolf Hiller, and Klaus Jurkschat
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Muhammad Shoaib, Amer Saeed, Javeed Akhtar, Muhammad Saif Ur Rahman, Aman Ullahd, Klaus Jurkschat, Muhammad Moazzam Naseer
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- 298.** Role of the Trichlorostannyl Ligand in Tin–Ruthenium Arene Complexes: Experimental and Computational Studies
Miroslav Novák, Marek Bouška, Libor Dostál, Michael Lutter, Klaus Jurkschat, Jan Turek, Frank De Proft, Zdeňka Růžičková, and Roman Jambor
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Alain Charly Tagne Kuate, Muhammad Moazzam Naseer and Klaus Jurkschat
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- 293.** Syntheses, Structures, and Complexation Studies of Tris(organostannyl)methane Derivatives
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Bastian Janssen, Michael Lutter, Hazem Alnasr, Ingo Krossing, and Klaus Jurkschat
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Anicet Siakam Wendji, Christina Dietz, Silke Kühn, Michael Lutter, Dieter Schollmeyer, Wolf Hiller, and Klaus Jurkschat
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Vadim Bernard-Gauthier, Justin J. Bailey, Zhibo Liu, Björn Wängler, Carmen Wängler, Klaus Jurkschat, David M. Perrin, Ralf Schirmacher
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Matthias Gawron, Christina Dietz, Michael Lutter, Andrew Duthie, Viacheslav Jouikov, and Klaus Jurkschat
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Adéla Fridrichová, Barbora Mairychová, Zdeňka Padělková, Antonín Lyčka, Klaus Jurkschat, Roman Jambor and Libor Dostál
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Christina Dietz, Viatcheslav Jouikov, and Klaus Jurkschat
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Ljuba Iovkova-Berends, Miriam Seiger, Thomas Westfeld, Alexander Hoffmann, Sonja Herres-Pawlis, and Klaus Jurkschat
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