

List of papers (actualized 16. 02. 2024, J. Heinicke, University Greifswald)

Personal Accounts/ Reviews/

- "o-Hydroxyarylphosphanes: Strategies for Syntheses of Configurationally Stable, Electronically and sterically Tunable Ambiphiles with Multiple Application"
J. W. Heinicke, *Chem. Eur. J.* **2023**, e202302740 (31 p., ca. 300 references, open access).
<https://doi.org/10.1002/chem.202302740>
"Procedure and NMR spectra of compound **93**, cited in this review [187]" ([Comp. 93](#)),
N. Peulecke, J. W. Heinicke, unpublished results.
- "Chemistry of α -Phosphanyl α -Amino Acids"
N. Peulecke, D. O. Yakhvarov, J. W. Heinicke, *Eur. J. Inorg. Chem.* **2019**, 1507-1518.
<https://doi.org/10.1002/ejic.201801130>
- " π -Excess-aromatic and non-aromatic 1,3-azaphospholes – impact of annulation and multiple reactivity"
J. W. Heinicke, *Pure Appl. Chem.* **2019**, 59(5), 761-772. <https://doi.org/10.1515/pac-2018-0705>
- "P=C-N and P-C=N type 1,3-azaphospholes – Comparing the chemistry of π -excess aromatic *1H*- and non-aromatic *3H*-isomers and the influence of anellation (A personal account)"
J. W. Heinicke, *Phosphorus, Sulfur, Silicon and Rel. El.* **2019**, 194 (4-6), 401-409. <https://doi.org/10.1080/10426507.2018.1528259>
- "Electron-rich aromatic 1,3-heterophospholes – recent syntheses and impact of high electron density at $\sigma^2\text{P}$ on the reactivity" (Microreview)
J. Heinicke, *Eur. J. Inorg. Chem.* **2016**, 575-594. <https://doi.org/10.1002/ejic.201500941>
- "Pyrido-anellated 1,3-azaphospholes – current state and future challenges"
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M. S. S. Adam, M. Ghalib, G. J. Palm, P. G. Jones, J. W. Heinicke, *Phosphorus, Sulfur, Silicon and Rel. El.* **2016**, 191, 548-557. <https://doi.org/10.1080/10426507.2015.1114490>
- " π -Rich $\sigma^2\text{P}$ -Ligands: Unusual Coordination Behavior of *1H*-1,3-Benzazaphospholes towards Late Transition Metals"
J. W. Heinicke, M. Ghalib, C. Schulzke, P. G. Jones, L. Könczöl, L. Nyulászi, *Phosphorus, Sulfur, Silicon and Rel. El.* **2015**, 190, 806-815. <https://doi.org/10.1080/10426507.2014.984029>
- " α -Phosphino amino acids: Synthesis, Structure and Reactivity"
J. Heinicke, J. Lach, K. R. Basvani, N. Peulecke, P. G. Jones, M. Köckerling, *Phosphorus, Sulfur, Silicon and Rel. El.* **2011**, 186, 666-677; (*Personal Account* based on an Invited Lecture, 18th ICPC, Wroclaw 2010). <https://doi.org/10.1080/10426507.2010.514485>
- "Contributions to the Chemistry of Twofold-Coordinated Group 15/14 Element Heterocycles (*Personal Account*)"
J. Heinicke, B. R. Aluri, M. S. S. Adam, F. Ullah, *Phosphorus, Sulfur, Silicon and Rel. El.* **2009**, 184, 1627-1647. <https://doi.org/10.1080/10426500902947997>
- "Tuning of Nickel 2-Phosphinophenolates - Catalysts for Oligomerization and Polymerization of Ethylene (*Personal Account*)"
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- "Luminescent 1H-1,3-benzazaphospholes",
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- "Quinoxaline-anellated *N,N'*-dialkylimidazolium salts and *iPr*₂quinox-NHC-Pd halide complexes"
S. Shanmuganathan, C. Schulzke, P. G. Jones, J. W. Heinicke, *J. Organomet. Chem.* **2020**, 926, 121487; <https://doi.org/10.1016/j.jorganchem.2020.121487>
- "Pt- and Pd-complexes with acyclic and heterocyclic *P*-hydroxyaryl-substituted *N*-phosphanylmethyl-amino acids RP(CH₂NHR')₂ and (RPCH₂NR'CH₂)₂ - Evaluation of (P^O)M chelate formation"
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 - "PH-Functional and P-(α-hydroxy)benzyl-2-phenyl-1,3-oxaphospholanes – Synthesis, reactivity and structural aspects"
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