

Publikationen 2018

Beiträge in Büchern / Zeitschriften

Zeitschriftenaufsatz (Originalarbeit)

- Badetti, Elena; Cormo dos Santos, Nadia A.; Scaramuzzo, Francesca A.; Bravin, Carlo; Wurst, Klaus; Licini, Giulia; Zonta, Cristiano (2018): Diastereoselective multi-component assemblies from dynamic covalent imine condensation and metal-coordination chemistry: mechanism and narcissistic stereochemistry self-sorting. In: Rsc Advances 8, S. 19494 - 19498. ([DOI](#))
- Baglai, Iaroslav; Leemann, Michel; Wurst, Klaus; Kaptein, Bernard; Kellogg, Richard M.; Noorduyn, Willem L. (2018): The Strecker reaction coupled to Viedma ripening: a simple route to highly hindered enantiomerically pure amino acids. In: Chemical Communications 54, S. 10832 - 10834. ([DOI](#))
- Braun, D.E.; Lampl, M.; Wurst, K.; Kahlenberg, V.; Griesser, U.J.; Schottenberger, H. (2018): Computational and analytical approaches for investigating hydrates: The neat and hydrated solid-state forms of 3-(3-methylimidazolium-1-yl)propanoate. In: CrystEngComm 20, S. 7826 - 7837. ([DOI](#)) ([Weblink](#))
- Lampl, Martin; Laus, Gerhard; Kahlenberg, Volker; Wurst, Klaus; Huppertz, Hubert; Schottenberger, Herwig (2018): Synthesis and crystal structures of 2-bromo-1,3-dimethylimidazolium iodides. In: Acta Crystallographica. Section E: Crystallographic Communications 74/4, S. 497 - 501. ([DOI](#)) ([Weblink](#))
- Lampl, Martin; Laus, Gerhard; Wurst, Klaus; Kahlenberg, Volker; Gelbrich, Thomas; Nerdinger, Sven; Huppertz, Hubert; Schottenberger, Herwig (2018): 2-Functionalized derivatives of 2-bromo-1,3-dimethylimidazole. In: Heterocycles 97/2, S. 1116 - 1127. ([DOI](#)) ([Weblink](#))
- Li, Chengjie; Wurst, Klaus; Berghold, Joachim; Podewitz, Maren; Liedl, Klaus R.; Kräutler, Bernhard (2018): Pyro-Phyllobilins: Elusive Chlorophyll Catabolites Lacking a Critical Carboxylate Function of the Natural Chlorophylls. In: Chemistry - A European Journal 24/12, S. 2987 - 2998. ([DOI](#)) ([Weblink](#))
- Li, Chengjie; Wurst, Klaus; Kräutler, Bernhard (2018): A Dipyrrin Programmed for Covalent Loading with Fullerenes. In: Chemistry - A European Journal 24/40, S. 10032 - 10037. ([DOI](#)) ([Weblink](#))
- Nerdinger, S; Kuatsjah, E; Hurst, TE; Schlapp-Hackl, I; Kahlenberg, V; Wurst, K; Eltis, LD; Snieckus, V (2018): Bacterial Catabolism of Biphenyls: Synthesis and Evaluation of Analogues. In: ChemBioChem 19/16, S. 1771 - 1778. ([DOI](#))
- Partl, Gabriel J.; Nussbaumer, Felix; Schlapp-Hackl, Inge; Schuh, Walter; Kopacka, Holger; Wurst, Klaus; Peringer, Paul (2018): Crystal structures of four new iridium

- complexes, each containing a highly flexible carbodiphosphorane PCP pincer ligand.
In: Acta Crystallographica. Section E: Crystallographic Communications E74, S. 846 - 852. (DOI)
- Petermüller, Benedikt; Neun, Christopher; Stekiel, Michal; Zimmer, Dominik; Tribus, Martina; Wurst, Klaus; Winkler, Björn; Huppertz, Hubert (2018): Synthesis, Crystal Structure, and Compressibilities of $Mn_{3-x}Ir_{5-x}B_{2+x}$ ($0 \leq x \leq 0.5$) and Mn_2IrB_2 .
In: Chemistry - A European Journal 24/55, S. 14679 - 14685. (DOI)
 - Petermüller, Benedikt; Neun, Christopher; Wurst, Klaus; Bayarjargal, Lkhamsuren; Zimmer, Dominik; Morgenroth, Wolfgang; Avolos-Borja, Miguel; Becerril-Juarez, Ignacio Guadalupe; Mühlbauer, Martin J.; Winkler, Björn; Huppertz, Hubert (2018): High-Pressure Synthesis of β - Ir_4B_5 and Determination of the Compressibility of Various Iridium Borides.
In: Inorganic Chemistry 57/16, S. 10341 - 10351. (DOI)
 - Qian, Wenjie; Gonzalez-Campo, Arantzazu; Perez-Rodriguez, Ana; Rodriguez-Hermida, Sabina; Imaz, Inhaz; Wurst, Klaus; MasPOCH, Daniel; Ruiz, Eliseo; Ocal, Carmen; Barrena, Esther; Amabilino, David B.; Aliaga-Alcalde, Nuria (2018): Boosting Self-Assembly Diversity in the Solid-State by Chiral/Non-Chiral ZnII-Porphyrin Crystallization.
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 - Reitsamer, Christian; Schlapp-Hackl, Inge; Partl, Gabriel; Schuh, Walter; Kopacka, Holger; Wurst, Klaus; Peringer, Paul (2018): Crystal structure of an iridium(III) complex of the $[C(dppm)_2]$ PCP pincer ligand system and its conjugate CH acid form.
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 - Rietzler, B.; Laus, G.; Wurst, K.; Gelbrich, T.; Nerdinger, S.; Schreiner, E.; Schottenberger, H. (2018): Polymeric Silver(I) Complexes Based on Bidentate Imidazoline-2-thiones. Synthesis and Crystal Structures.
In: Heterocycles 97/1, S. 211 - 217. (DOI) (Weblink)
 - Schlapp-Hackl, Inge; Hassenrück, Christopher; Wurst, Klaus; Kopacka, Holger; Müller, Thomas; Winter, Rainer F.; Bildstein, Benno (2018): Metallo-Scorpionates: First Generation of Trimetallic, Homoleptic $[Ru]-M-[Ru]$ Complexes ($M = Fe, Co, Ni, Cu$).
In: European Journal of Inorganic Chemistry 2018/40, S. 4434 - 4441. (Volltext) (DOI) (Weblink)
 - Schlapp-Hackl, Inge; Pauer, Bettina; Falschlunger, Christoph; Schuh, Walter; Kopacka, Holger; Wurst, Klaus; Peringer, Paul (2018): Crystal structures of the $[IrIII\{C(C_4H_6O_2)(dppm)-\kappa^3P,C,O\}(dppm)H](CF_3O_3S)_2$ and $[IrIII\{C(C_4H_6O_2)(dppm)-\kappa^2P,C\}(CO)(dppm)H](CF_3O_3S)_2$ phosphorus ylido complexes, generated by a Wittig-type carbon-carbon coupling reaction of a carbodiphosphorane PCP ligand system.
In: Acta Crystallographica. Section E: Crystallographic Communications E74, S. 1643 - 1647. (DOI) (Weblink)
 - Schmid, Matthias; Grossmann, Adriana S.; Wurst, Klaus; Magauer, Thomas (2018): Total Synthesis of Salimabromide: A Tetracyclic Polyketide from a Marine Myxobacterium.

- In: Journal of the American Chemical Society 140/27, S. 8444 - 8447. ([DOI](#)) ([Weblink](#))
- Schönegger, Sandra; Bruns, Jörn; Gartner, Benjamin; Wurst, Klaus; Huppertz, Hubert (2018): Synthesis and Characterization of the First Lead(II) Borosulfate $\text{Pb}[\text{B}_2(\text{SO}_4)_4]$.
In: Zeitschrift für Anorganische und Allgemeine Chemie 644, S. 1702 - 1706. ([Volltext](#)) ([DOI](#))
 - Schönegger, Sandra; Wurst, Klaus; Heymann, Gunter; Schaur, Andreas; Saxer, Andreas; Johrendt, Dirk; Huppertz, Hubert (2018): Synthesis and characterization of the first hydrothermally synthesized tin borate $\text{Sn}_2\text{B}_3\text{O}_6(\text{OH})$.
In: Journal Of Solid State Chemistry 258, S. 410 - 415. ([DOI](#))
 - Schönegger, Sandra; Wurst, Klaus; Heymann, Gunter; Schaur, Andreas; Saxer, Andreas; Johrendt, Dirk; Huppertz, Hubert (2018): Synthesis and characterization of the new tin borate $\text{SnB}_8\text{O}_{11}(\text{OH})_4$.
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 - Stoll, Christiane; Janka, Oliver; Pöttgen, Rainer; Seibald, Markus; Baumann, Dominik; Wurst, Klaus; Huppertz, Hubert (2018): Short-Range Antiferromagnetic Ordering of Netlike $S = 1/2$ Linear Trimeric Units in the Copper Germanate $\text{K}_2\text{Cu}_3\text{Ge}_4\text{O}_{12}$.
In: Inorganic Chemistry 57/22, S. 14421 - 14426. ([DOI](#))
 - Vanicek, Stefan; Podewitz, Maren; Hassenrück, Christopher; Pittracher, Michael; Kopacka, Holger; Wurst, Klaus; Müller, Thomas; Liedl, Klaus R.; Winter, Rainer F.; Bildstein, Benno (2018): Cobaltocenylidene: A Mesoionic Metallocene Carbene, Stabilized in a Gold(III) Complex.
In: Chemistry - A European Journal 24/13, S. 3165 - 3169. ([Volltext](#)) ([DOI](#)) ([Weblink](#))
 - Vanicek, Stefan; Podewitz, Maren; Stubbe, Jessica; Schulze, Dennis; Kopacka, Holger; Wurst, Klaus; Müller, Thomas; Lippmann, Petra; Haslinger, Simone; Schottenberger, Herwig; Liedl, Klaus R.; Ott, Ingo; Sarkar, Biprajit; Bildstein, Benno (2018): Highly Electrophilic, Catalytically Active and Redox-Responsive Cobaltoceniumyl and Ferrocenyl Triazolylidene Coinage Metal Complexes.
In: Chemistry - A European Journal 24/15, S. 3742 - 3753. ([DOI](#)) ([Weblink](#))
 - Vitzthum, Daniela; Wurst, Klaus; Huppertz, Hubert (2018): $(\text{NH}_4)\text{InB}_8\text{O}_{14}$ – a high-pressure borate combining BO_3 groups with corner- and edge-sharing BO_4 tetrahedra.
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 - Vitzthum, Daniela; Wurst, Klaus; Pann, Johann M.; Brüggeller, Peter; Seibald, Markus; Huppertz, Hubert (2018): Exploration into the Syntheses of Gallium- and Indiumborates under Extreme Conditions: $\text{M}_5\text{B}_{12}\text{O}_{25}(\text{OH})$: Structure, Luminescence, and Surprising Photocatalytic Properties.
In: Angewandte Chemie International Edition 57/35, S. 11451 - 11455. ([Volltext](#)) ([DOI](#))

- Weninger, Alexander; Baecker, Daniel; Obermoser, Victoria; Egger, Dorothea; Wurst, Klaus; Gust, Ronald (2018): Synthesis and Biological Evaluation of Zeise's Salt Derivatives with Acetylsalicylic Acid Substructure.
In: International Journal of Molecular Sciences 19/6, No. 1612. ([Volltext](#)) ([DOI](#)) ([Weblink](#))
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- Petermüller, Benedikt; Neun, Christopher; Stekiel, Michal; Zimmer, Dominik; Tribus, Martina; Wurst, Klaus; Winkler, Björn; Huppertz, Hubert (2018): Cover Feature: Synthesis, Crystal Structure, and Compressibilities of Mn_{3-x}Ir₅B_{2+x} (0 ≤ x ≤ 0.5) and Mn₂IrB₂ (Chem. Eur. J. 55/2018).
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- Vanicek, Stefan; Podewitz, Maren; Stubbe, Jessica; Schulze, Dennis; Kopacka, Holger; Wurst, Klaus; Müller, Thomas; Lippmann, Petra; Haslinger, Simone; Schottenberger, Herwig; Liedl, Klaus R.; Ott, Ingo; Sarkar, Biprajit; Bildstein, Benno (2018): Cover Feature: Highly Electrophilic, Catalytically Active and Redox-Responsive Cobaltoceniumyl and Ferrocenyl Triazolylidene Coinage Metal Complexes.
In: Chemistry - A European Journal 24/15, S. 3635. ([DOI](#)) ([Weblink](#))
- Vanicek, Stefan; Wurst, Klaus; Kopacka, Holger; Bildstein, Benno (2018): Bis(4-cobaltoceniumyl-1-ferrocenyl-3-methyl-1,2,3-triazolylidene)gold(I) hexafluoridophosphate–trifluoromethanesulfonate (1.2/1.8).
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- Vitzthum, Daniela; Wurst, Klaus; Pann, Johann M.; Brüggeller, Peter; Seibald, Markus; Huppertz, Hubert (2018): Explorative Synthese von Gallium- und Indiumboraten unter extremen Bedingungen: M₅B₁₂O₂₅(OH): Struktur, Lumineszenz und überraschende photokatalytische Eigenschaften.
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- Götzfried, Sina K.; Gallati, Caroline M.; Cziferszky, Monika; Podewitz, Maren; Wurst, Klaus; Liedl, Klaus R.; Gust, Ronald (2018): Kinetical studies on Gold-NHC-complexes: Insight into the mechanism of ligand scrambling reaction.
In: Hobmayer, B.; Micura, R.; Striessnig, J.: Book of Abstracts - 7th CMBI Meeting. Vill, September 19-20, 2018. Innsbruck: Eigenverlag - Universität Innsbruck., S. 39. ([Weblink](#))
- Weninger, Alexander; Baecker, Daniel; Obermoser, Victoria; Egger, Dorothea; Wurst, Klaus; Gust, Ronald (2018): Zeise's salt derivatives with Aspirin substructures: synthesis and biological evaluation.
In: Hobmayer, B.; Micura, R.; Striessnig, J.: Book of Abstracts - 7th CMBI Meeting. Vill, September 19-20, 2018. Innsbruck: Eigenverlag - Universität Innsbruck., S. 40. ([Weblink](#))