



Publikationsliste

Stand 14.11.2024

Publikationen 2024

- (267) "Exploring Defect-Engineered Metal-Organic Frameworks with 1,2,4-Triazolyl Isophthalate and Benzoate Linkers"
S. Chetry, M. F. Lukman, V. Bon, R. Warias, D. Fuhrmann, J. Moellmer, D. Belder, C. S. Gopinath, S. Kaskel, A. Poepl, H. Krautscheid,
Inorg. Chem. **63** (2024) 10843-10853; DOI: 10.1021/acs.inorgchem.4c01589
- (266) "A 2-D coordination polymer based on 3-(2-pyridyl)-5-(4-chlorophenyl)-1,2,4-triazine ligands and lead(II) bromide: synthesis, structure, luminescent properties, and application in organic light-emitting diodes"
A. Arkak, M. Hossaini Sadr, M. Janghour, F. Marandi, H. Krautscheid,
J. Coord. Chem. **77** (2024), 2146-2158; DOI: 10.1080/00958972.2024.2414747
- (265) "Three-dimensional alkaline earth metal-organic framework poly[[μ -aqua-aquabis(μ_3 -carbamoylecyanonitrosomethanido)barium] monohydrate] and its thermal decomposition"
K. V. Domasevitch, G. A. Senchyk, V. V. Ponomarova, A. B. Lysenko, H. Krautscheid,
Acta Crystallogr. **E80** (2024) 986-992; DOI: 10.1107/s2056989024008375
- (264) "Semiconductive Potassium Hydroxamate Coordination Polymers with Dual Charge Transport Paths Originating from the π - π Stacking Columns"
N.-N. Zhang, Y. Yan, Z.-Y. Li, H. Krautscheid,
Inorg. Chem. **63** (2024) 15485-15492; DOI: 10.1021/acs.inorgchem.4c02637
- (263) "A π - π stacked porous framework for highly efficient second near-infrared photothermal effects and photo-thermo-electric conversion"
Y. Yan, Z.-Y. Li, N.-N. Zhang, H. Krautscheid,
Chem. Eng. J. **499** (2024) 156059; DOI: 10.1016/j.cej.2024.156059
- (262) "High-Yielding Syntheses, Crystal Structures and Hirshfeld Surface Analysis of Bis-1,1'-(2-nitropropenes) Extended with Benzene-1,4-diyl and Biphenyl-4,4'-diyl Spacers"
K. V. Domasevitch, G. A. Senchyk, H. Krautscheid,
J. Chem. Crystallogr. (2024); DOI: 10.1007/s10870-024-01032-3
- (261) "3-(2-pyridyl)-5-(4-chlorophenyl)-1,2,4-triazine as a ligand: Synthesis of three lead(II) complexes, a spectroscopic and structural study using experimental and theoretical methods"
Z. Heidari, F. Marandi, E. Nemati-Kande, H. Krautscheid,
J. Mol. Struct. **1307** (2024) 137887; DOI: 10.1016/j.molstruc.2024.137887
- (260) "Bidirectional π - π stacking for near-infrared photothermal effects and photo-thermo-electric conversion in a semiconductive hydroxamate coordination polymer"
Y. Yan, N.-N. Zhang, J.-W. Si, Z.-Y. Li, H. Krautscheid,
Chem. Eng. J. **491** (2024) 152054; DOI: 10.1016/j.cej.2024.152054

- (259) "Photoreaction kinetics of cinnamate salts - Influence of cation and halogen substitution as studied by solid-state NMR"
M. Zahan, H. Krautscheid, J. Haase, M. Bertmer,
J. Photochem. Photobiol., A: Chemistry **451** (2024) 115512; DOI: 10.1016/j.jphotochem.2024.115512
- (258) "Cyano-2-isonitrosoacetamide-3,4-dimethylpyrazole (1/1): a co-crystal of two molecules with agrochemical activities"
K. V. Domasevitch, G. A. Senchyk, V. V. Ponomarova, A. B. Lysenko, H. Krautscheid,
Acta Crystallogr. **E80** (2024) 439-445; DOI: 10.1107/s2056989024002809
- (257) "Two metastable high hydrates of energetic material 3,3',5,5'-tetranitro-4,4'-bipyrazole"
K. V. Domasevitch, H. Krautscheid,
Acta Crystallogr. **C80** (2024) 166-176; DOI: 10.1107/s2053229624003346
- (256) "Hydrocarbon Sorption in Flexible MOFs - Part III: Modulation of Gas Separation Mechanisms"
H. Preissler-Kurzhofer, M. Lange, J. Moellmer, O. Erhart, M. Kobalz, H. Krautscheid, R. Glaeser,
Nanomaterials **14** (2024) 241; DOI: 10.3390/nano14030241

Publikationen 2023

- (255) "Determination of acoustic phonon anharmonicities via second-order Raman scattering in CuI"
R. Hildebrandt, M. Seifert, J. George, S. Blaurock, S. Botti, H. Krautscheid, M. Grundmann, C. Sturm,
New J. Phys. **25** (2023) 123022; <https://orcid.org/0000-0001-6932-604X>
- (254) "Two- and three-photon absorption in bulk CuI"
A. Andreas, S. Henn, E. Krueger, S. Blaurock, H. Krautscheid, M. Grundmann, C. Sturm,
Appl. Phys. Lett. **123** (2023) 122103; DOI: 10.1063/5.0167096
- (253) "Catena-Poly[[bis(diaqualithium)]- μ 4-3,3',5,5'-tetranitro-4,4'-bipyrazole-1,1'-diido]: a new moisture-insensitive alkali-metal energetic salt with a welldefined network structure"
K. V. Domasevitch, G. A. Senchyk, H. Krautscheid,
Acta Crystallogr. **E79** (2023) 657-663; DOI: 10.1107/s2056989023005339
- (252) "Exploring Volatile Precursors: Synthesis, Characterization and Thermal Properties of Thulium Fluoroacetylacetonate Complexes"
D. Fuhrmann, K. Kaden, M. Kandler, M. Icker, H. Krautscheid,
Crystals **13** (2023) 1467; DOI: 10.3390/cryst13101467
- (251) "Novel thiosemicarbazone derivatives from furan-2-carbaldehyde: synthesis, characterization, crystal structures, and antibacterial, antifungal, antioxidant, and antitumor activities"
W. Hernandez, F. Carrasco, A. Vaisberg, E. Spodine, M. Icker, H. Krautscheid, L. Beyer, C. Tamariz-Angeles, P. Olivera-Gonzales,
J. Chem. (2023) 5413236; DOI: 10.1155/2023/5413236
- (250) "Synthesis, X-ray Diffraction, NMR and Thermolysis Studies of Cadmium Tin Sulfido Complexes"
D. Fuhrmann, N. H. Bollfrass, M. Icker, H. Krautscheid,
Crystals **13** (2023) 721; DOI: 10.3390/cryst13050721
- (249) "Temperature dependent second-order Raman scattering in CuI"
R. Hildebrandt, M. Seifert, J. George, S. Blaurock, S. Botti, H. Krautscheid, M. Grundmann, C. Sturm,
Condensed Matter (2023) 1-14, [arXiv.org](https://arxiv.org), e-Print Archive
- (248) "Optical properties of $\text{Ag}_x\text{Cu}_{1-x}\text{I}$ alloy thin films"
E. Krueger, M. Seifert, V. Gottschalch, H. Krautscheid, C. S. Schnohr, S. Botti, M. Grundmann, C. Sturm, *AIP Advances* **13** (2023); DOI: 10.1063/5.0137091
- (247) "Epitaxial Growth of $\text{Ag}_x\text{Cu}_{1-x}\text{I}$ on $\text{Al}_2\text{O}_3(0001)$ "
E. Krüger, V. Gottschalch, G. Benndorf, R. Hildebrandt, A. L. Pereira, M. S. Bar, S. Blaurock, S. Merker, C. Sturm, M. Grundmann, H. Krautscheid,
Phys. Stat. Sol. B: Basic Solid State Physics **260** (2023) 2200493; DOI: 10.1002/pssb.202200493

(246) "Three new zinc(II) 4'-chloro-2,2':6',2"-terpyridine (4'-Cltpy)-based complexes: synthesis, spectroscopic and structural studies, thermal behavior, and Hirshfeld surface analysis"
F. Marandi, A. Bahrami, N. Mahmoud-Gonbadi, H. Krautscheid,
J. Coord. Chem. **76**:2 (2023) , 258-270; DOI: 10.1080/00958972.2023.2175208

(245) "Hydrocarbon Sorption in Flexible MOFs – Part II: Understanding Adsorption Kinetics"
H. Preissler-Kurzhofer, A. Kolesnikov, M. Lange, J. Moellmer, O. Erhart, M. Kobalz, S. Hwang,
C. Chmelik, H. Krautscheid, R. Glaeser,
Nanomaterials **13** (2023) 601; DOI: 10.3390/nano13030601

Publikationen 2022

(244) "A stable lanthanum hydroxamate metal-organic framework with radical character and electrical conductivity"
Y. Yan, N.-N. Zhang, D. Fuhrmann, S. Merker, H. Krautscheid,
Dalton Trans. **51** (2022) 15946-15953; DOI: 10.1039/D2DT02340G

(243) "Hydrocarbon Sorption in Flexible MOFs – Part I: Thermodynamic Analysis with the Dubinin-Based Universal Adsorption Theory (D-UAT)"
H. Preissler-Kurzhofer, M. Lange, A. Kolesnikov, J. Moellmer, O. Erhart, M. Kobalz,
H. Krautscheid, R. Gläser,
Nanomater. **12** (2022) 2415; DOI: 10.3390/nano12142415

(242) "Hydroxamate based transition metal-organic coordination polymers with semiconductive properties"
Y. Yan, N.-N. Zhang, M. Börner, B. Kersting, H. Krautscheid,
Dalton Trans. **51** (2022) 12709-12716; DOI: 10.1039/d2dt01359b

(241) "Direct synthesis of a stable radical doped electrically conductive coordination polymer"
Y. Yan, N.-N. Zhang, L. M. Tauche, K. Thangavel, A. Pöpl, H. Krautscheid,
Inorg. Chem. Front. **9** (2022) 5016-5023; DOI: 10.1039/D2QI01180H

(240) "Dielectric function of CuBr_xI_{1-x} alloy thin films"
M. Seifert, E. Krüger, M. S. Bar, S. Merker, H. von Wenckstern, H. Krautscheid, M. Grundmann,
C. Sturm, S. Botti,
arXiv.org, e-Print Archive, Cond. Matt. (2022), 1-12;
Phys. Rev. Mater. **6** (2022) 124601; DOI: 10.1103/physrevmaterials.6.124601

(239) "Synthesis, Crystal Structures and NMR Characterization of Molecular Silver Tin Chalcogenide Complexes"
D. Fuhrmann, H. Krautscheid,
Z. Anorg. Allg. Chem. **648** (2022) e202200099; DOI: 10.1002/zaac.202200099

(238) "1,2,4-Triazolyl-4-acetate: a ditopic ligand combining soft and hard donor sites in homometallic (Ag^I) and heterometallic (Ag^I/U^{VI}) coordination polymers"
G. A. Senchyk, A. B. Lysenko, H. Krautscheid, E. B. Rusanov, M. Karbowski, K. V. Domasevitch,
CrystEngComm **24** (2022) 2241-2250; DOI: 10.1039/d1ce01549d

(237) "Mononuclear and polymeric zinc(II) β-diketonate complexes with aromatic N-donor ligands: Structural, spectral, thermal, theoretical and docking studies"
F. Marandi, K. Moeini, S. Küsel, H. Krautscheid
Polyhedron **218** (2022) 115757; DOI: 10.1016/j.poly.2022.115757

Publikationen 2021

(236) "Dynamics of exciton-polariton emission in CuI"
E. Krüger, M. S. Bar, S. Blaurock, L. Trefflich, R. Hildebrandt, A. Müller, O. Herrfurth, G. Benndorf,
H. von Wenckstern, H. Krautscheid, M. Grundmann
APL Materials **9** (2021) 121102; DOI: 10.1063/5.0066176

- (235) "Ethereal Hydroperoxides: Powerful Reagents for S-Oxygenation of Bridging Thiophenolate Functions"
M. Börner, D. Fuhrmann, J. Klose, H. Krautscheid, B. Kersting,
Inorg. Chem. **60** (2021) 13517-13527; DOI: 10.1021/acs.inorgchem.1c01854
- (234) "Semiconductive coordination polymers with continuous π - π interactions and defined crystal structures"
Y. Yan, S. Henfling, N.-N. Zhang, H. Krautscheid,
Chem. Commun. **57** (2021) 10407-10410; DOI: 10.1039/d1cc03333f
- (233) "A pyridyl-triazine complex of Co(II): spectroscopic, structural and docking studies"
F. Marandi, K. Moeini, H. Krautscheid,
J. Struct. Chem. **62** (2021) 590-597; DOI: 10.1134/s0022476621040119
- (232) "Evaluation of biological activities of cobalt(II) and copper(II) complexes synthesized from methylcarboxylate and amino alcohol ligand mixtures: spectroscopic, structural and docking studies"
J. Esmaeilzadeh, Z. Mardani, V. Golsanamlou, K. Moeini, H. Krautscheid,
Inorg. Nano-Met. Chem. (2021); DOI: 10.1080/24701556.2021.1980033
- (231) "Epitaxial growth of rhombohedral β - and cubic γ -CuI"
V. Gottschalch, G. Benndorf, S. Selle, E. Krüger, S. Blaurock, M. Kneiß, M. Bar, C. Sturm, S. Merker,
T. Höche, M. Grundmann, H. Krautscheid
J. Cryst. Growth **570** (2021) 126218; DOI: 10.1016/j.jcrysgro.2021.126218
- (230) "Proton and Electron Transfer in the Formation of a Copper Dithiolene-Based Coordination Polymer"
S. Henfling, A. Kultraeva, A. Pöpl, J. Klose, B. Kersting, K. V. Domasevitch, H. Krautscheid
Inorg. Chem. **60** (2021) 9008-9018; DOI: 10.1021/acs.inorgchem.1c00914
- (229) "1D, 2D, and 3D Coordination Polymers based on 2,3-Pyrazinedithiolate and d¹⁰ Metal Ions (Ag⁺, Zn²⁺)"
S. Henfling, O. A. Saputra, H. Krautscheid
Z. anorg. allg. Chem. **647** (2021) 1721-1728; doi: org/10.1002/zaac.202100120
- (228) "Hot-phonon effects in photo-excited wide-bandgap semiconductors"
O. Herrfurth, E. Krüger, M. Grundmann, S. Blaurock, H. Krautscheid
J. Phys. Cond. Mat., **33** (2021) 205701; DOI: 10.1088/1361-648x/abf19b

Publikationen 2020

- (227) "Influence of Alkali Metal Cations on the Photodimerization of Bromo Cinnamates Studied by Solid-State NMR"
M. Zahan, H. Sun, S. E. Hayes, H. Krautscheid, J. Haase, M. Bertmer
J. Phys. Chem. C **124** (2020) 27614-27620; DOI: 10.1021/acs.jpcc.0c09826
- (226) "Synthesis and crystal structures of two new lead(II) complexes with the pincer-type ligand 4'-(4-Chlorophenyl)-2,2':6',2"-terpyridine (Cl-Ph-tpy): subtle interplay of weak intermolecular interactions"
F. Marandi, H. Krautscheid
Z. Naturforsch. B **75** (2020) 1043-1048; DOI:10.1515/znb-2020-0129
- (225) "Dithiol-dithione tautomerism of 2,3-pyrazinedithiol in the synthesis of new copper and silver coordination compounds"
S. Henfling, R. Kempf, J. Klose, A. Kuc, B. Kersting, H. Krautscheid
Inorg. Chem. **59** (2020) 16441-16453; DOI: 10.1021/acs.inorgchem.0c02203
- (224) "Synthesis, Spectroscopic Characterization, Structural Studies, and *In Vitro* Antitumor Activities of Pyridine-3-carbaldehyde Thiosemicarbazone Derivatives"
W. Hernandez, F. Carrasco, A. Vaisberg, E. Spodine, J. Manzur, M. Icker, H. Krautscheid, L. Beyer
J. Chem. (2020), Article ID 2960165, doi.org/10.1155/2020/2960165

- (223) "Naphthoquinone-derivative as a synthetic compound to overcome resistance in MRSA"
R. Song, B. Yu, D. Friedrich, J. Li, S. Hao, H. Krautscheid, S. D. Huang, M.-H. Kim
Commun. Biol. **3** (2020) 529; DOI: 10.1038/242003-020-01261-0
- (222) "Synthesis, Crystal Structures, and Thermolysis Studies of Heteronuclear Transition Metal Aluminum Alcoholates"
S. Küsel, H. Krautscheid
Z. Anorg. Allg. Chem. **646** (2020) 1449-1457; DOI: 10.1002/zaac.202000246
- (221) "Bulk polarity of 3,5,7-trinitro-1-azaadamantane mediated by asymmetric NO₂(lone pair)...NO₂(π-hole) supramolecular bonding"
K. V. Domasevitch, G. A. Senchyk, H. Krautscheid
Acta Crystallogr. **C76** (2020) 598-604; DOI: 10.1107/s2053229620006762
- (220) "Crystal structure and Hirshfeld surface analysis of 4,4'-(propane-1,3-diyl)bis(4H-1,2,4-triazol-1-ium) pentafluorodioxidovanadate(V)"
G. A. Senchyk, A. B. Lysenko, H. Krautscheid, K. V. Domasevitch
Acta Crystallogr. **E76** (2020) 780-784; DOI:10.1107/s205698902000585x
- (219) "Control over the coordination preferences in Ag⁺ and Ag⁺/UO₂²⁺ 1,2,4-triazolecarboxylate frameworks"
G. A. Senchyk, A. B. Lysenko, H. Krautscheid, K. V. Domasevitch
Inorg. Chem. Commun. **113** (2020) 107813; DOI:10.1016/j.inoche.2020.107813

Publikationen 2019

- (218) "A Molybdenum Trioxide Hybrid Decorated by 3-(1,2,4-Triazol-4-yl)adamantane-1-carboxylic Acid: A Promising Reaction-Induced Self-Separating (RISS) Catalyst"
A. B. Lysenko, G. A. Senchyk, K. V. Domasevitch, S. Henfling, O. Erhart, H. Krautscheid, P. Neves, A. A. Valente, M. Pillinger, I. S. Goncalves
Inorg. Chem. **58** (2019) 16424-16433; DOI:10.1021/acs.inorgchem.9b02137
- (217) "Coordination of a triazine ligand with Cu^{II} and Ag^I investigated by spectral, structural, theoretical and docking studies"
F. Marandi, K. Moeini, H. Krautscheid
Acta Crystallogr. **C75** (2019) 1389-1397; DOI:10.1107/s2053229619011719
- (216) "Photochemical low-temperature synthesis of iron(III) oxide thin films"
P. C. With, J. Lehnert, L. Seifert, S. Dietrich, H. Krautscheid, S. Naumov, A. Prager, B. Abel, L. Prager, U. Helmstedt
Appl. Surf. Sci. **493** (2019) 525-532; DOI:10.1016/j.apsusc.2019.06.272
- (215) "Desolvation Process in the Flexible Metal-Organic Framework [Cu(Me-4py-trz-ia)], Adsorption of Dihydrogen and Related Structure Responses"
O. Erhart, P. A. Georgiev, H. Krautscheid
CrystEngComm **21** (2019) 6523-6535; DOI:10.1039/c9ce00992b
- (214) "Spectral, structural and theoretical study of the effects of thiocyanato and dicyanamido ligands on the geometry of Pb^{II} complexes containing a triazinic ligand"
F. Marandi, K. Moeini, Z. Mardani, H. Krautscheid
Acta Crystallogr. **C75** (2019) 1023-1030; DOI:10.1107/s2053229619008301
- (213) "Crystal structure of poly[[[μ₄-3-(1,2,4-triazol-4-yl)adamantane-1-carboxylato-κ(5)N(1):N(2):O(1):O(1),O(1')]silver(I)] dihydrate]"
G. A. Senchyk, K. V. Domasevitch, H. Krautscheid
Acta crystallogr. **E75** (2019) 1145-1148
- (212) "Spectral, structural and theoretical study of novel helical and linear structures of PbI₂ and PbBr₂ complexes with a triazine ligand"
F. Marandi, K. Moeini, Z. Mardani, H. Krautscheid

J. Coord. Chem. **72** (2019) 1876-1889; <https://doi.org/10.1080/00958972.2019.1619707>

(211) "Heteroepitaxial growth of α -, β -, γ - and κ -Ga₂O₃ phases by metalorganic vapor phase epitaxy"
V. Gottschalch, S. Merker, S. Blaurock, M. Kneiß, U. Teschner, M. Grundmann, H. Krautscheid
J. Cryst. Growth **510** (2019) 76-84; <https://doi.org/10.1016/j.jcrysgro.2019.01.018>

(210) "Facile and selective polynitrations at the 4-pyrazolyl dual backbone: straightforward access to a series of high-density energetic materials"
K. V. Domasevitch, I. Gospodinov, H. Krautscheid, T. M. Klapötke, J. Stierstorfer,
New J. Chem. **43** (2019) 1305-1312; DOI:10.1039/c8nj05266b

(209) "An optimized method for an (2R,3S)-isocitric acid building block"
K. Bullin, L. Hennig, R. Herold, H. Krautscheid, K. Richter, D. Sicker,
Monatshefte für Chemie - Chemical Monthly **150** (2019) 247-253; DOI:10.1007/s00706-018-2319-3

Publikationen 2018

(208) "Multifrequency EPR, SQUID, and DFT Study of Cupric Ions and Their Magnetic Coupling in the Metal-Organic Framework Compound [Cu(prz-trz-ia)]"
A. Kultaeva, T. Biktagirov, P. Neugebauer, H. Bamberger, J. Bergmann, J. van Slageren,
H. Krautscheid, A. Pöpl,
J. Phys. Chem. C **122** (2018) 26642-26651; DOI: 10.1021/acs.jpcc.8b08327

(207) "Docking studies to evaluate the biological activities of the Co(II) and Ni(II) complexes containing the triazine unit: supported by structural, spectral, and theoretical studies"
F. Marandi, K. Moeini, A. Arkak, Z. Mardani, H. Krautscheid,
J. Coord. Chem. **71** (2018) 3893-3911; DOI:10.1080/00958972.2018.1543871

(206) "Homo- and Heteroleptic Coordination Polymers and Oxido Clusters of Bismuth(III) Vinylsulfonates"
L. Wrobel, T. Ruffer, M. Korb, H. Lang, H. Krautscheid, J. Meyer, P. C. Andrews, M. Mehring,
Chem. Eur. J. **24** (2018), 16630-16644; DOI:10.1002/chem.201803664

(205) "Can a temporary bond between dye and redox mediator increase the efficiency of p-type dye-sensitized solar cells?"
S. Merker, H. Krautscheid, S. Zahn,
J. Mol. Model. **24**:317 (2018) 1-11; DOI.org/10.1007/s00894-018-3848-8

(204) "Synthesis, structures and antimicrobial activities of nickel(II) and zinc(II) diaminomaleonitrile-based complexes"
I. Sheikhsaie, N. Lotfi, J. Sieler, H. Krautscheid, M. Khaleghi,
Trans. Met. Chem., **43** (2018) 555-562; DOI:10.1007/s11243-018-0241-5

(203) "Making an order: the concerted alignment of [MOF₅]²⁻ (M = Nb and Ta) dipolar anions in one-dimensional coordination chains sustained by tris(3,4,5-trimethyl-1H-pyrazole)copper(II)"
A. V. Sharko, O. Erhart, H. Krautscheid, K. V. Domasevitch,
Acta Crystallogr. C **74** (2018), 929-935; DOI:10.1107/S2053229618009853

(202) "A Series of Homo- and Heteroleptic Iron(III) Alkoxides as Precursors for Fe₂O₃"
S. Dietrich, A. Finke, D. Fuhrmann, H. Krautscheid, Z. Anorg. Allg. Chem. **644** (2018) 180-185;
DOI:10.1002/zaac.201700332

Publikationen 2017

(201) "Development of Erasin: a chromone-based STAT3 inhibitor which induces apoptosis in Erlotinib-resistant lung cancer cells"
C. Lis, S. Rubner, M. Roatsch, A. Berg, T. Gilcrest, D. Fu, E. Nguyen, A.-M. Schmidt, H. Krautscheid, J. Meiler, T. Berg
Scientific Rep. **7** (2017) 17390; DOI:10.1038/s41598-017-17600-x

- (200) "A Combined Continuous Wave Electron Paramagnetic resonance and DFT calculations of copper-doped $^3[\text{Cd}_{0.98}\text{Cu}_{0.02}(\text{prz-trz-ia})]$ metal-organic framework"
A. Kultaeva, T. Biktagirov, J. Bergmann, L. Hensel, H. Krautscheid, A. Pöpl, Phys. Chem. Chem. Phys. **19** (2017) 31030-31038; DOI: 10.1039/C7CP06420A
- (199) "Zinc Tin Chalcogenide Complexes and Their Evaluation as Molecular Precursors for $\text{Cu}_2\text{ZnSnS}_4$ (CZTS) and $\text{Cu}_2\text{ZnSnSe}_4$ (CZTSe)"
D. Fuhrmann, S. Dietrich, H. Krautscheid, Inorg. Chem. **56** (2017) 13123-13131; DOI:10.1021/acs.inorgchem.7b01697
- (198) "Exploration of a Variety of Copper Molybdate Coordination Hybrids Based on a Flexible Bis(1,2,4-triazole) Ligand: A Look through the Composition-Space Diagram"
G. A. Senchyk, A. B. Lysenko, K. V. Domasevitch, O. Erhart, S. Henfling, H. Krautscheid, E. Rusanov, K. W. Kramer, S. Decurtins, S.-X. Liu, Inorg. Chem. **56** (2017) 12952-12966; DOI:10.1021/acs.inorgchem.7b01735
- (197) "Synthesis, characterization, crystal structure, and DFT studies of a *cis* dioxo -vanadium(V) complex containing a tridentate (NNO) Schiff base ligand"
N. Lotfi, I. Sheikhsheaei, S. Y. Ebrahimipour, H. Krautscheid. J. Mol. Struct. **1149** (2017) 432-438; <https://doi.org/10.1016/j.molstruc.2017.08.010>
- (196) "Lasing in cuprous iodide microwires"
M. Wille, E. Krüger, S. Blaurock, V. Zviagin, R. Deichsel, G. Benndorf, L. Trefflich, V. Gottschalch, H. Krautscheid, R. Schmidt-Grund, M. Grundmann
Appl. Phys. Lett. **111** (2017) 031105; DOI: 10.1063/1.4990524
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