

UNIVERSITÀ DEGLI STUDI DI MILANO

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Toni Grell

CURRICULUM VITAE

PERSONAL DATA

SURNAME	GRELL
NAME	TONI
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Qualifications**UNIVERSITY DEGREES**

30/09/2013	Master of Science in Chemistry (M. Sc.) Leipzig University, Leipzig, Germany Title: "Changed Reactivity of Phosphorus Trichloride in Ionic Liquids" Subject: Theoretical and computational chemistry; calculation of reaction mechanisms and molecular properties Supervisors: Dr. Stefan Zahn <i>Awarded with the Hermann-Kolbe-Prize for the best M. Sc. graduate in chemistry by the Freundeskreis der Fakultät für Chemie und Mineralogie</i>
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DOCTORAL DEGREE OR EQUIVALENT

16/11/2018	PhD in Chemistry Leipzig University, Leipzig, Germany Title: "New Aspects on the Coordination Chemistry of Hexa-tert-butyl-octaphosphine" <i>Dr. rer. nat.</i> , awarded with <i>summa cum laude</i> (highest mark) Subject: Synthesis and characterization of highly air-sensitive phosphine ligands and complexes; understanding the molecular properties using computational chemistry and advanced NMR methods; single crystal X-ray diffraction Supervisors: Prof. Dr. Dr. h.c. mult. Evamarie Hey-Hawkins <i>Funded with a PhD scholarship of the Studienstiftung des Deutschen Volkes (German Academic Scholarship Foundation)</i> <i>Awarded with the prize for outstanding PhD by the Research Academy Leipzig (RAL)</i>
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RESEARCH CONTRACTS, RESEARCH FELLOWSHIP CONTRACTS, POSTDOCTORAL SCHOLARSHIPS OR SIMILAR CONTRACTS

01/11/2020 - today	<p>Assegnista di Ricerca tipo A (Research Associate)</p> <p>Dipartimento di Chimica, Università degli Studi di Milano</p> <p>Activity: Development of new hydrophobic metal organic frameworks for the treatment and regeneration of contaminated water; Investigation of polymorphism of pharmaceuticals with modern X-ray diffraction methods and solid-state computational analysis</p> <p>Supervisor: Prof. Dr. Valentina Colombo</p>
01/11/2019 - 31/10/2020	<p>Assegnista di Ricerca tipo B (Research Associate)</p> <p>Dipartimento di Chimica, Università degli Studi di Milano</p> <p>Project PRIN2017 n°2017KKP5ZR_004 “Cutting-edge X-ray methods and models for the understanding of surface site reactivity in heterogeneous catalysts and sensors”</p> <p>Activity: Synthesis of porous metal-organic frameworks containing exposed metal sites and structural defects and investigation with X-ray diffraction and adsorption methods</p> <p>Supervisor: Prof. Dr. Valentina Colombo</p>
01/01/2018 - 31/10/2019	<p>Wissenschaftlicher Mitarbeiter (Research Associate)</p> <p>Temporary contract for scientific staff,</p> <p>Department of Chemistry and Mineralogy, Leipzig University, Germania</p> <p>Activity: Investigation of the coordination chemistry of phosphorus-rich oligophosphine complexes; X-ray diffraction; advanced NMR studies; DFT studies on reactivity of carboranes</p> <p>Supervisor: Prof. Dr. Evamarie Hey-Hawkins</p>
01/10/2013 - 31/12/2014	<p>Wissenschaftliche Hilfskraft (Research Assistant)</p> <p>Temporary contract for a research assistant</p> <p>Department of Chemistry and Mineralogy, Leipzig University, Germania</p> <p>Activity: Synthesis and characterization of the coordination chemistry of phosphorus-rich oligophosphine complexes; investigation of intermolecular interactions involving pnictogen compounds</p> <p>Supervisor: Prof. Dr. Evamarie Hey-Hawkins</p>

TEACHING ACTIVITIES AT ITALIAN OR FOREIGN UNIVERSITIES

September/2020 - December/2021	<p>Tutoring activity within the course of General and Inorganic Chemistry for the Bachelor course in Biotechnology (Laurea Triennale in Biotecnologia) according to Art. 45 of the General Regulation of the University of Milan, Number of hours/contract: 32</p>
September/2020 - March/2021	<p>Seminars (esercitazioni) accompanying the lectures of “Chimica e Materiali” within the Bachelor course (Laurea Triennale) Ingegneria Industriale e dell’Informazione supervised by Prof. Stefano Valdo Meille, Politecnico di Milano, Number of hours/contract: 34</p>
October/2009 - September/2013 4-year contract	<p>Seminars accompanying the lecture “Grundlagen der Physikalischen Chemie” (Foundations of Physical Chemistry)</p> <p>Studentische und wissenschaftliche Hilfskraft (Assistant Teacher) in the course Bachelor of Science in Chemistry (Laurea Triennale in Chimica), Leipzig University, Germany</p> <p>From the academic year 2009/2010 throughout 2012/2013, total of 4 years, 42h/year</p>
October/2010 - September/2013	<p>Seminars accompanying the lecture “Chemie der Übergangsmetalle” (Transition Metal Chemistry)</p> <p>Studentische und wissenschaftliche Hilfskraft (Assistant Teacher) in the course Bachelor of Science in Chemistry (Laurea Triennale in Chimica), Leipzig University, Germany</p>

	In the academic years 2010/2011 and 2012/2013, 24h/year
October/2012 - September/2013	Seminars accompanying the lecture “Organometallic Chemie” (Organometallic Chemistry) Studentische und wissenschaftliche Hilfskraft (Assistant Teacher) in the course Bachelor of Science in Chemistry (Laurea Triennale in Chimica), Leipzig University, Germany In the academic year 2012/2013, 12h/year

SUPERVISOR OF MASTER AND BACHELOR THESIS STUDENTS

Currently	Co-Supervisor Master Thesis (Correlatore di Tesi Magistrale) “Synthesis of porous metal-organic frameworks with fluorinated tetrazolate ligands” Student Giulia Taini, Master course in Chemical Science (Laurea magistrale in Scienze Chimiche), Università degli Studi di Milano
Currently	Co-Supervisor Master Thesis (Correlatore di Tesi Magistrale) “Investigation of the polymorphism and relationship of Gepirone hydrochloride and Buspirone hydrochloride” Student Giovanni Moreddu, Master course in Chemical Science (Laurea magistrale in Scienze Chimiche), Università degli Studi di Milano
March 2021 - October 2021	Co-Supervisor Bachelor Thesis (Correlatore di Tesi Triennale) “Polymorphism of Efinaconazole” Student Michele Forza, Bachelor course in Chemistry (Laurea triennale in Chimica), Università degli Studi di Milano
July/2020 - February/2021	Co-Supervisor Bachelor Thesis (Correlatore di Tesi Triennale) “Sintesi e caratterizzazione strutturale tramite diffrazione di raggi-X di polveri di metal-organic frameworks con leganti pirazolici” Student Daniele Crespi, Bachelor course in Chemistry (Laurea triennale in Chimica), Università degli Studi di Milano
February/2019 - August/2019	Co-Supervisor Project Thesis (Correlatore di Tesi) “Synthese Chinolin-substituierter 1,5-Diaza-3,7-diphosphacyclooctane als Liganden für die Übergangsmetallkatalyse” Student Tobias Beger, Corso di Laurea magistrale in Chimica, Leipzig University (Lipsia, Germania)
May/2018 - November/2018	Co-Supervisor Master Thesis (Correlatore di Tesi Magistrale) “Investigation on the Coordination Chemistry of the Cyclic Tetraphosphine Oxide Ligand <i>cyclo</i> -P ₄ (O) ₄ tBu ₄ ” Student Kyzgaldak Ramazanov, Corso di Laurea magistrale in Chimica, Leipzig University (Lipsia, Germania)
April/2018 - October/2018	Co-Supervisor Project Thesis (Correlatore di Tesi Progetti) “New Aspects on the Coordination Chemistry of Oligophosphine Oxides” Student Sarah Jahny, Corso di Laurea magistrale in Chimica, Leipzig University (Lipsia, Germania)
October/2015- April/2016	Co-Supervisor Project Thesis (Correlatore di Tesi Progetti) “Koordinationschemie von <i>cyclo</i> -tetra- <i>tert</i> -butyl-tetraphosphan” Student Isa Kallweit, Corso di Laurea magistrale in Chimica, Leipzig University (Lipsia, Germania)
November/2014 - June/2015	Co-Supervisor Project Thesis (Attività di Terza Missione) Supervision of a Secondary School Student (Gymnasium) for a scientific research project “Jugend Forscht” (“young scientists”) which involved the teaching of advanced inorganic chemistry as well as planning and conducting experiments in the laboratory (200 hrs)

ATTESTED TRAINING OR RESEARCH ACTIVITIES AT QUALIFIED ITALIAN OR FOREIGN INSTITUTIONS

September/2020	Powder Diffraction School Organized by the Paul Scherrer Institute, Villigen, Switzerland Role: participant
March/2014 - November/2018	Graduate School BuildMoNa (Building with Molecules and Nanoobjects) Interdisciplinary school for graduate students organized by the University of Leipzig Leipzig, Germany Role: graduate Student
July/2016	Workshop Applied Computational Chemistry for Synthetic Chemists (NSCCS) Kings College, London, United Kingdom Role: participant
August/2015	Summerschool "Structural Formation in Chemistry and Biology" Organized by the Studienstiftung des Deutschen Volkes (<i>German Academic Scholarship Foundation</i>) Rot an der Rot, Germany Role: participant
September/2014	Summerschool on Crystallography Organized by the German Chemical Society (GDCh) Hardehausen, Germany Role: participant

IMPLEMENTATION OF PROJECTS

2021	Project Title: Investigation of porous and flexible materials under high pressure with X-ray diffraction methods Role: Principal Investigator Funding Institution: Associazione Italiana Cristallografia (AIC) Funded with 5,000 € for a 4-months fellowship at Stellenbosch University, Stellenbosch, South Africa.
2021	Project title: Understanding of the Fe(II) active site in mixed-metal MOFs for the conversion of methane to methanol Role: Participant Institution: ESRF synchrotron (Grenoble, FR). Funded with 15 + 15 shifts on the ID26 and BM31 beamlines Proposal n° CH-6073
2021	Project Title: Unveiling the CO ₂ adsorption sites in the triangular channels of Fe ₂ (BDPNH ₂) metal-organic framework by in situ HR-PXRD Role: Participant Institution: ESRF synchrotron (Grenoble, FR). Funded with 9 shifts on the ID22 beamline Proposal n° CH-6073
2020	Project Title: Understanding catalytic intermediates of biomimetic Fe(II) Metal-Organic Frameworks that selectively oxidize methane under mild conditions Role: Participant Institution: Elettra Synchrotron Trieste Funded with 18 shifts of beamtime for X-ray absorptions measurements (APE-HE) Proposal number 20210565
2020	Project title: Investigation of polymorphism of pharmaceuticals with modern X-ray diffraction methods and solid-state computational analysis

	Role: Principal Investigator Institution: CINECA (Italy) Funded with 200 standard hours for calculation on supercomputer
2019	Project title: Synthesis and Characterization of novel Carborane-substituted Bismuth(III)-compounds for the application as pharmaceuticals Role: Participant Institution: German Academic Exchange Service (DAAD), Program ERASMUS+ Funded with 5,000 € for travel expenses (1 months)
2014 & 2015	Project title: Surface Modification of Mesoporous Silica Nanoparticles with Phosphorus-rich Phosphines Role: Participant Institution: German Academic Exchange Service (DAAD), Program ERASMUS+ Funded with 4,000 € for travel expenses (two times one months)
2014 - 2019	Project title: Synthesis and characterization of phosphorus-rich ligands and complexes thereof Role: Applicant, Scholarship Holder Institution: Studienstiftung des Deutschen Volkes (German Academic Scholarship Foundation) Funded with 50,328 € for financial support for a PhD project
2012	Project title: Synthesis and characterization of phosphorus-rich ligands and complexes thereof Role: Applicant, Scholarship Holder Institution: German Academic Exchange Service (DAAD), Program ISAP Funded with 8,000 € for travel expenses for 6 months stay

RESEARCH ACTIVITIES IN NATIONAL AND INTERNATIONAL RESEARCH GROUPS

August - December 2021	Investigation of porous and flexible materials under high pressure with X-Ray diffraction methods 4 months bursary awarded by the Italian Association of Crystallography to be spent in the Prof. Len Barbour group Host Institution: Stellenbosch University, Stellenbosch, South Africa. Research activity: analysis of porous and flexible materials under variable pressure conditions using single crystal and powder X-ray diffraction
2019 - Today	Cutting-edge X-ray methods and models for the understanding of surface site reactivity in heterogeneous catalysts and sensors - MOSCATo Participation in the extended research collaboration within the PRIN2017 project between over 5 different universities. Research Activity: Synthesis of porous metal-organic frameworks containing exposed metal sites and structural defects and investigation with X-ray diffraction and adsorption methods. Institution: Università degli Studi Milano, Milan, Italy Role: Participant Coordinator: Prof. Valentina Colombo
2019 - 2020	Investigation of polymorphism of pharmaceuticals with modern X-ray diffraction methods and solid-state computational analysis Research Activity: Synthesis and characterization of the physical properties and deeper understanding of polymorphs of pharmaceuticals and molecular compounds in general. Institution: Università degli Studi Milano, Milan, Italy, Dipartimento di Chimica Role: Participant Coordinator: Prof. Valentina Colombo
2019 - Today	Synthesis and Characterization of novel Carborane-substituted Bismuth(III)-compounds for the application as pharmaceuticals Research Project in collaboration between the groups of Prof. Phil Andrews and Evamarie Hey-Hawkins

	<p>Host Institution Monash University (Melbourne, Australia)</p> <p>Role: Participant</p> <p>Coordinator: Prof. Evamarie Hey-Hawkins</p>
2014 - 2015	<p>Surface Modification of Mesoporous Silica Nanoparticles with Phosphorus-rich Phosphines</p> <p>Research Project in collaboration between the groups of Prof. Santiago Ruiz-Gómez and Prof. Evamarie-Hawkins</p> <p>Host Institution: Universidad Rey-Juan-Carlos III, Madrid, Spain</p> <p>Role: Participant</p> <p>Coordinator: Prof. Evamarie Hey-Hawkins</p>
2014 - Today	<p>Single Crystal X-Ray Structure Determination and DFT calculations for investigating the properties of molecular coordination compounds</p> <p>Ongoing collaboration with the research group of Prof. Evamarie Hey-Hawkins in various different projects such as (1) the coordination chemistry of phosphorus-rich compounds, (2) the reactivity of carboranes or (3) the use of ferrocenyl substituted phosphane complexes in catalysis</p> <p>Institution: Leipzig University, Leipzig, Germany</p>
2014 - 2019	<p>Synthesis and characterization of phosphorus-rich ligands and complexes thereof</p> <p>PhD project done in the research group of Prof. Evamarie Hey-Hawkins</p> <p>Institution: Leipzig University, Leipzig, Germany</p> <p>Funded by a PhD scholarship of the Studienstiftung des Deutschen Volkes (German Academic Scholarship Foundation) (50,328 €) for financial support</p> <p>Funded by a conference scholarship of the German Academic Exchange Service (DAAD) for travel expenses (2.500€) in Japan, International Conference on Coordination Chemistry (ICCC2018), Sendai, Japan</p>
2013	<p>Reactivity of PCl_3 in ionic liquids under consideration of the pnictogen-bridge</p> <p>Project of the Master thesis (Master of Science) in the research group of Dr. Stefan Zahn,</p> <p>Institution: Leipzig University, Leipzig, Germany (6 months)</p>
2012	<p>Investigation of the Haupt-Effect as method for Hyperpolarization in NMR-Spectroscopy</p> <p>Research project in the group of Prof. Stefan Berger</p> <p>Institution: Leipzig University, Leipzig, Germany (3 months)</p>
2012	<p>Synthesis of heterobimetallic and heterotrimetallic complexes with Qnoline-based ligands</p> <p>Research project in the group of Prof. Glen Deacon</p> <p>Funded with 8,000 € for travel expenses (6 months) by a scholarship for a term abroad by the German Academic Exchange Service (DAAD), Program ISAP</p> <p>Host Institution: Monash University, Melbourne, Australia</p> <p>Role: Applicant, Scholarship Holder</p>
2011	<p>Study of the fundamental reactivity of Carboranes</p> <p>Project of the Bachelor thesis in the research group of Prof. Hey-Hawkins</p> <p>Institution: Leipzig University, Leipzig, Germany</p>

ORGANIZATION OF SCIENTIFIC EVENTS:

2021	<p>International School: 2nd International School on Advanced Porous Materials (MOFschoo2021)</p> <p>Date: 21th to 25th June 2021</p>
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	<p>Institution: Fondazione Volta, Università degli Studi di Milano, Università degli Studi dell'Insubria, Università di Granada</p> <p>Scientific Directors: Prof.ssa Valentina Colombo; Prof.ssa Simona Galli; Prof. Jorge A. R. Navarro</p> <p>Role: <u>Member of the Organizing Committee</u></p>
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PARTICIPATION AT NATIONAL AND INTERNATIONAL CONFERENCES, ORAL COMMUNICATIONS, POSTERS AND INVITED CONTRIBUTIONS:

2019	<p>Participation 1st International School on Advanced Porous Materials (MOFSchool2019) 17th - 21st June 2014, Como, Italy</p>
2019	<p>Invited Speaker at Monash University "Fascinating Coordination Chemistry of Phosphorus-rich Compounds" International Conference on Coordination Chemistry (ICCC2018) 30th July - 4th August 2018, Melbourne, Australia</p>
2018	<p>Oral Presentation "Coordination Chemistry of Hexa-<i>tert</i>-butyl-octaphosphine" International Conference on Coordination Chemistry (ICCC2018) 30th July - 4th August 2018, Sendai, Japan Funded by Travel Scholarship of the DAAD (German Academic Exchange Service)</p>
2017	<p>Oral Presentation "Neue Komplexe <i>tert</i>-Butyl-substituierter Oligophosphane" Inorganic Chemistry Symposium 20th - 25th August 2017, Hirschegg, Austria</p>
2017	<p>Poster Presentation "Potassium-2,3,4,5-tetraadamantyl-cyclopentaphosphanide - Synthesis and Properties" 14th European Workshop for Phosphorus Chemistry (EWPC 14) 20th - 22nd March 2017, Cluj-Napoca, Romania</p>
2017	<p>Poster Presentation "Potassium-2,3,4,5-tetraadamantyl-cyclopentaphosphanide - Synthesis and Properties" 17th Annual BuildMoNa Conference (ABC 17) 6th - 7th March 2017, Leipzig, Germany</p>
2016	<p>Poster Presentation "Kalium-2,3,4,5-tetraadamantyl-cyclopentaphosphanid: Synthese und Eigenschaften" Mitteldeutsches Anorganiker Nachwuchs Symposium (MANS-14) 15th September 2016, Halle, Germany</p>
2016	<p>Poster Presentation "New aspects on phosphorus-rich compounds and materials" 16th Annual BuildMoNa Conference (ABC 16) 14th - 15th March 2016, Leipzig, Germany</p>
2015	<p>Oral Presentation "Die Phikogen-Bindung" Mitteldeutsches Anorganiker Nachwuchs Symposium (MANS-13) 3rd September 2015, Chemnitz, Germany</p>
2015	<p>Oral Presentation "Die Phikogen-Bindung" Inorganic Chemistry Symposium 23rd - 28th August 2015, Hirschegg, Austria</p>
2015	<p>Oral Presentation "Novel Donor-Acceptor Complex with PCl₃ and TMEDA" 15th Annual BuildMoNa Conference (ABC 15) 23rd - 24th March 2015, Leipzig, Germany Price for best oral presentation</p>
2015	<p>Poster Presentation</p>

2015	12 th European Workshop for Phosphorus Chemistry (EWPC 12) 16 th - 18 th March 2014, Kassel, Bulgaria Price for best Poster presentation
2014	Participation Aktuelle Themen der Phosphorchemie (Current topics on phosphorus chemistry) 31 st January 2015, Dresden, Germany
2014	Poster Presentation “Changed Reactivity of Phosphorus Trichloride in Ionic Liquids“ 11 th European Workshop for Phosphorus Chemistry (EWPC 11) 24 th - 26 th March 2014, Sofia, Bulgaria
2014	Participation 14 th Annual BuildMoNa Conference (ABC 14) 3 rd - 4 th March 2014, Leipzig, Germany

PRIZES AND AWARDS

2019	Award for outstanding PhD (Research Adademy Leipzig, RAL), Leipzig, Germania
2013	Hermann-Kolbe-Prize for the best M. Sc. graduate in chemistry by the Freundeskreis der Fakultät für Chemie und Mineralogie

Scientific Publications

SCIENTIFIC PEER-REVIEWED PUBLICATIONS

1.	R. Frank, T. Grell, M. Hiller, E. Hey-Hawkins Electrophilic Substitution of the nido-dicarbaborate anion 7,8-nido-C₂B₉H₁₂ with Sulfenyl chlorides <i>Dalton Trans.</i> 2012 , <i>41</i> , 6155-6161. (https://dx.doi.org/c2dt12501c)	Research Article (co-author) IF(JCR2020): 4.390 Citations(wos): 9
2.	M. Icker, P. Fricke, T. Grell, J. Hollenbach, H. Auer, S. Berger Experimental boundaries of the quantum rotor induced polarization (QRIP) in liquid state <i>Magn. Reson. Chem.</i> 2013 , <i>51</i> , 815-820. (https://dx.doi.org/10.1002/mrc.4021)	Research Article (co-author) IF(JCR219): 2.035 Citations(wos): 15
3.	P. Neumann, H. Dib, A. Sournia-Saquet, T. Grell, M. Handke, A.-M. Caminade, E. Hey-Hawkins Ruthenium Complexes with Dendritic Ferrocenyl Phosphanes: Synthesis, Characterization, and Application in the Catalytic Redox Isomerization of Allylic Alcohols <i>Chem. Eur. J.</i> 2015 , <i>21</i> , 6590-6604. (https://dx.doi.org/10.1002/chem.201406489)	Research Article (co-author) IF(JCR2020): 5.236 Citations(wos): 27
4.	A. Schmied, A. Straube, T. Grell, S. Jähnigen, E. Hey-Hawkins Heterobimetallic complexes with highly flexible 1,1'-bis(phospholanoalkyl)ferrocene ligands <i>Dalton Trans.</i> 2015 , <i>44</i> , 18760-18768. (https://dx.doi.org/10.1039/C5DT02567B)	Research Article (co-author) IF(JCR2020): 4.390 Citations(wos): 6
5.	A. Adhikari, T. Grell, P. Lönnecke, E. Hey-Hawkins Formation of a Carbene-phosphinidene Adduct by N-heterocyclic Carbene-induced P-P Bond Cleavage in Sodium Tetramesityltetraphosphanediide <i>Eur. J. Inorg. Chem.</i> 2015 , <i>5</i> , 620-622. (https://dx.doi.org/10.1002/ejic.201500952)	Research Article (co-author) IF(JCR2020): 2.524 Citations(wos): 13
6.	A. Adhikari, M. Sarosi, T. Grell, P. Lönnecke, E. Hey-Hawkins Unusual Reactivity of Sodium Tetramesityltetraphosphanediide towards Cyclohexyl Isocyanide <i>Chem. Eur. J.</i> 2016 , <i>22</i> , 15664-15668. (https://dx.doi.org/10.1002/chem.201603940)	Research Article (co-author) IF(JCR2020): 5.236 Citations(wos): 11
7.	A. Adhikari, M. Sarosi, T. Grell, P. Lönnecke, E. Hey-Hawkins	Research Article

	<p>A Sixteen-Membered Au₈P₈ Macrocycle Based on Gold(I) and Diphospha(III)guanidine / 16-Gliedriger Au₈P₈-Makrozyklus aus Gold(I) und Diphospha(III)-guanidin <i>Angew. Chem. Int. Ed.</i> 2017, <i>56</i>, 4061-4064 https://dx.doi.org/10.1002/anie.201700383; <i>Angew. Chem.</i> 2017, <i>129</i>, 4120-4123. https://dx.doi.org/10.1002/ange.201700383</p>	<p>(co-author) IF(JCR2020): 15.336 Citations(wos): 3</p>
8.	<p>A. Adhikari, <u>T. Grell</u>, P. Lönnecke, E. Hey-Hawkins Basicity of N-(Tetramesityltetraphosphacyclopentylidene)-cyclohexylamine: An Unusual Diphospha(III)-guanidine Derivative <i>Eur. J. Inorg. Chem.</i> 2017, <i>45</i>, 5329-5333. https://dx.doi.org/10.1002/ejic.201700869</p>	<p>Research Article (co-author) IF(JCR2020): 2.524 Citations(wos): 0</p>
9.	<p>A. Adhikari, <u>T. Grell</u>, P. Lönnecke, E. Hey-Hawkins Versatile Coordination Modes of Triphospha-1,4-pentadiene-2,4-diamine <i>Inorg. Chem.</i> 2018, <i>57</i>, 3297-3304. https://dx.doi.org/10.1021/acs.inorgchem.8b00067</p>	<p>Research Article (co-author) IF(JCR2020): 5.165 Citations(wos): 2</p>
10.	<p>J. Schulz, A. Kreienbrink, P. Coburger, B. Schwarze, <u>T. Grell</u>, P. Lönnecke, E. Hey-Hawkins 12-Vertex Zwitterionic Bis-phosphonium-nido-carborates through Ring-Opening Reactions of 1,2-Diphosphetanes <i>Chem. Eur. J.</i> 2018, <i>24</i>, 6208-6216. https://dx.doi.org/10.1002/chem.201800172</p>	<p>Research Article (co-author) IF(JCR2020): 5.236 Citations(wos): 5</p>
11.	<p>D. M. Yufanyi, <u>T. Grell</u>, M. Sárosi, P. Lönnecke, E. Hey-Hawkins Group 6 Metal Carbonyl Complexes of cyclo-(P₅Ph₅) <i>Pure Appl. Chem.</i> 2018, <i>91</i>, 103-101. https://dx.doi.org/10.1515/pac-2018-0905</p>	<p>Research Article (co-author) IF(JCR2020): 1.846 Citations(wos): 6</p>
12.	<p><u>T. Grell</u>, D. M. Yufanyi, A. Adhikari, M. Sárosi, P. Lönnecke, E. Hey-Hawkins Making and Breaking of Phosphorus-Phosphorus Bonds <i>Pure Appl. Chem.</i> 2018, <i>91</i>, 103-111. https://dx.doi.org/10.1515/pac-2018-1013</p>	<p>Review (first author) IF(JCR2020): 1.846 Citations(wos): 6</p>
13.	<p>D. M. Yufanyi, <u>T. Grell</u>, E. Hey-Hawkins Unusual Reactivity of cyclo-(P₅Ph₅): Oxidative Addition at a Group 6 Metal Carbonyl and Insertion of Acetonitrile into a P-P bond <i>Eur. J. Inorg. Chem.</i> 2019, <i>11</i>, 1557-1561. https://dx.doi.org/10.1002/ejic.201900027</p>	<p>Research Article (co-author) IF(JCR2020): 2.524 Citations(wos): 5</p>
14.	<p>S. Durini, N. Ilić, K. Ramazanov, <u>T. Grell</u>, P. Lönnecke, E. Hey-Hawkins Methanol Sensing Using the Luminescent Properties of a Novel Zinc(II)-Based Metal-Organic Framework <i>ChemPlusChem</i>, 2019, <i>84</i>, 307-313. https://dx.doi.org/10.1002/cplu.201900109</p>	<p>Research Article (co-author) IF(JCR2020): 2.863 Citations(wos): 5</p>
15.	<p><u>T. Grell</u>, E. Hey-Hawkins Unexpected Isomerization of Hexa-tert-butyl-octaphosphane <i>Chem. Eur. J.</i>, 2019, <i>26</i>, 1008-1012. https://dx.doi.org/10.1002/chem.201904531</p>	<p>Research Article (first author) IF(JCR2020): 5.236 Citations(wos): 3</p>
16.	<p><u>T. Grell</u>, E. Hey-Hawkins Dynamic Gold(I) Complexes of Hexa-tert-butyl-octaphosphane <i>Eur. J. Inorg. Chem.</i>, 2020, <i>9</i>, 732-736. https://dx.doi.org/10.1002/ejic.201901300</p>	<p>Research Article (first author) IF(JCR2020): 2.524 Citations(wos): 4</p>
17.	<p><u>T. Grell</u>, E. Hey-Hawkins Versatile Coordination Chemistry of Hexa-tert-butyl-octaphosphane <i>Inorg. Chem.</i>, 2020, <i>59</i>, 7478-7503. https://dx.doi.org/10.1021/acs.inorgchem.0c00262</p>	<p>Research Article (first author) IF(JCR2020): 5.165 Citations(wos): 2</p>
18.	<p>S. Hanf, <u>T. Grell</u>, J. E. Waters, R. García-Rodríguez, E. Hey-Hawkins, D. S. Wright Facile, Room-temperature Synthesis of a Ni(0) Phosphine Complex at Ambient Temperature <i>Chem. Comm.</i>, 2020, <i>56</i>, 7893-7896. https://dx.doi.org/10.1039/D0CC02142C</p>	<p>Research Article (co-author) IF(JCR2019): 5.996 Citations(WOS): 0</p>

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