

CM1302, SIPs – Publications 2014-2018

Co-authored (SIPs acknowledged)

1. V. Nesterov, A. Espinosa, G. Schnakenburg, R. Streubel, "Novel N,P,C-cage complex via rearrangement of a tricyclic phosphirane complex. On the importance of non-covalent interactions", *Chem. Eur. J.* **2014**, *20*, 7010-7016
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Single-authored (relevant to SIPs and acknowledging SIPs)

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Oral contributions/posters co-authored

1. P. Neumann, **A.M. Caminade**, H. Dib, **E. Hey-Hawkins**, *Dendritic ferrocenyl phosphanes in redox-switchable catalysis*, Innsbruck (Austria), 12th Ferrocene Colloquium, 17-19 February **2014**
2. Tăbăcaru, **C. Pettinari**, **F. Marchetti**, **S. Galli**, N. Xhaferaj, **A. Rossin**, **M. Peruzzini**, *Novel coordination polymers based on bis- and tris-pyrazolyl ligands*, Maribor, Slovenia, 21-23 September **2014**, 1st European Conference on Smart Inorganic Polymers, Proceedings, pag. 38 (OP-20)
3. **F. Marchetti**, **C. Pettinari**, S. Galli, I. Timokhin, R. Pettinari, E. C. B. A. Alegria, L. M. D. R. S. Martins, A. J. L. Pombeiro, *Novel Co, Cu, Zn and Cd MOFs with pyrazolyl based tectons. Adsorption ability and catalytic activity for the peroxidative oxidation of alcohols and cyclohexane*. Maribor, Slovenia, 21-23 September **2014**, 1st European Conference on Smart Inorganic Polymers
4. T. Vitvarová, **M. Hissler**, **J. Vohlídal**, *Effect of incorporating phosphole into metallo-supramolecular dynamers*, 12th European Workshop on Phosphorus Chemistry, EWPC12, Kassel, Germany, 16-18 March **2015**
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9. J. Almeida, A. Leite, A. Silva, M. Fortuna, **V. Harabagiu**, **A.M.G. Silva**, *Synthetic strategies for porphyrin modified polysiloxanes*, 2nd European Conference on Smart Inorganic Polymers, September 24-26, **2015**, Uppsalla, Sweden
10. S. Kaur, R. Nunez, **C. Vinas**, R. Riedel, **E. Ionescu**, *Effect of the single-source precursor on the phase composition of SiBC-based ceramic nanocomposites*, 2nd European Conference on SIPs, Uppsala, **2015**
11. J. Popp, **A. M. Caminade**, **E. Hey-Hawkins**, *P-Stereogenic Dendritic Ferrocenyl Phosphines*. Constance, Germany, 21-23 February **2016**, 14th Ferrocene Colloquium
12. J. Popp, **A. M. Caminade**, **E. Hey-Hawkins**, *Phosphorus-containing dendrimers with peripheral P-stereogenic ferrocenyl phosphines*, Berlin, Germany, 7-9 March **2016**, EWPC13
13. J. Mai, A.I. Arkhypchuk, **A. Orthaber**, **S. Ott**, *Towards dual-mode molecular switching devices*, Berlin, Germany, 7-9 March **2016**, EWPC13
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19. B. Delavaux-Nicot, H. Dib, C. Rebut, R. Laurent, S. Mallet-Ladeira, A. Sournia-Saquet, M. Sarosi, **E. Hey-Hawkins**, J.P. Majoral, **A.M. Caminade**, *Ordered Layered Dendrimers Constructed from Two Known Dendrimer Families. Inheritance and Emergence of Properties*, Journée Toulousaine d'Electrochimie, université de Toulouse III, Toulouse, France, 12 July **2016** (poster)
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 22. **A.M. Caminade**, P. Neumann, H. Dib, A. Sournia-Saquet, **E. Hey-Hawkins**, *Dendritic phosphine complexes for redox-switchable catalysis*, 1st TrapCat (Trans Pyrenean meeting in catalysis), Toulouse, France, 13-14 October **2016** (poster)
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 24. **A. Espinosa Ferao**, **R. Streubel**, *Theoretical study on a SET-induced polymerization of oxaphosphiranes*, 14th European Workshop on Phosphorus Chemistry (EWPC-14), March 20-22, **2017**, Cluj-Napoca, Romania
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 26. **A. Espinosa**, **R. Streubel**, *On the quest for stability of oxaphosphiranes towards closed-shell valence isomerization*, 100th Canadian Chemistry Conference and Exhibition, May 28 - June 1, **2017**, Toronto, Canada
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Oral contributions/posters single-authored SIPs acknowledged

1. **A.M. Caminade**, *Auto-organizations by/of phosphorus dendrimers*, Toulouse (France), 6èmes Journées Franco-Catalanes de Chimie Moléculaire, 27-28 January **2014**
2. **A.M. Caminade**, *Phosphorus dendrimers. Syntheses and properties*, Sofia (Bulgaria), Kick-off Meeting EU COST Smart Inorganic Polymers (SIPs), 27 March **2014**
3. **E. Hey-Hawkins**, *Contributions of the Hey-Hawkins' Group to CM1302 SIPs*, Kick-off Meeting EU COST Action CM1302 "Smart Inorganic Polymers" (SIPs), Sofia, Bulgaria, 28 March **2014**
4. **E. Hey-Hawkins**, *Multifaceted chemistry with phosphorus-functionalised ferrocene derivatives*, Babes-Bolyai-University Cluj Napoca, Romania, 8 May **2014**
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7. **A.M. Caminade**, *The dendritic effect in biology with phosphorous dendrimers* (plenary conference), Lugano (Switzerland), Biodendrimer 2014, 18-20 June **2014**
8. **E. Hey-Hawkins**, *Phosphorus Meets Carbaborane*, ICPC 20, Dublin, Irland, 2 July **2014**
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15. **R. Pietschnig**, *Phosphorus-rich ferrocenophanes*, 20th International Conference on Phosphorus Chemistry, Dublin, **2014** (invited speaker)
16. **R. Pietschnig**, *A bisphosphanyl-substituted silylene complex*, 17th Int. Symposium on Organo Silicon Chemistry, Berlin, **2014**
17. **R. Pietschnig**, *Phosphorbasierte -Systeme und Shromophore*, Department Seminar, Universität Tübingen, **2014**
18. **R. Pietschnig**, *Stabile silanole als Bausteine für Micellen, Oberflächen und Käfige*, Department Seminar, Universität Dortmund, **2014**
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22. **M. Hissler**, *pi-conjugated polymers for (opto)electronic devices*, MatCatNet Workshop; From molecules to functionalized materials; Stability Pact for South Eastern Europe sponsored by DAAD, Ohrid, République de Macédoine, 6-10 September 2014
23. S. Pandey, *Chiral polyferrocenes with phosphorus-based backbones*, 1st European Conference on Smart Inorganic Polymers (EUSIP-2014), Maribor, Slovenia, 21-23 September **2014**
24. **A.M. Caminade**, *Inorganic dendrimers. Syntheses and properties*, Maribor (Slovenia), 1st EUSIP, 21-23 September **2014**
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26. **R. Pietschnig**, *Stereocontrol in phosphorus-rich rings and strands*, EUSIPs-Conference, Maribor, 21-23 September **2014**
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30. **M. Haukka**, *Non-covalent 1D Metal Polymers*, 1st European Conference on Smart Inorganic Polymers, Maribor, Slovenia, 21-23 September **2014**.
31. **E. Hey-Hawkins**, *Macrocycles, chains, nanotubes and molecular wires: unusual coordination chemistry with flexible bis-phospholane-based ligands*, XXVI Int. Chugaev Conference on Coordination Chemistry, Kazan, Russia, 6 October **2014**
32. **C. Viñas**, *A new nanohybrid for BNCT applications: Thiocarborane intercalated hydrotalcite-like layered double hydroxide*, 1st International Symposium on Nanoparticles/Nanomaterials and Applications, Lisboa, Portugal **2014**.
33. **C. Viñas**, Cobaltabisdicarbollide macroanion is able to diffuse across the lipid membrane: Study of kinetics and transport, Annual Meeting Biophysical Society, San Francisco, USA **2014** (Oral)
34. **C. Viñas**, Synthesis and biodistribution of ¹²⁴I- and ¹²⁵I-labelled cobaltabisdicarbollides, 17th European Symposium on Radiopharmacy and Radiopharmaceuticals. ESRR'14, Pamplona, Spain, **2014** (Oral)
35. **C. Viñas**, *Metallacarboranes Anion Receptor for Nitrogen Containing Analytes – Selective Membrane Sensors*, Development, Bioelectrochemistry and more..., Vienna, Austria, **2014**. (Oral)
36. **C. Viñas**, *The uniqueness of boron clusters in Nanomaterials and Nanomedicine*, Boron in the Americas 2014 (BORAM XV). Rutgers, USA, **2014**. (Invited)
37. **C. Viñas**, *Multifunctional n,o-type carborane-based molecular materials*. 41st International Conference on Coordination Chemistry, Singapore, **2014** (Oral)
38. **C. Viñas**, *Development of selective membrane sensors for bioactive nitrogen containing analytes determination*, 65th Annual Meeting of the International Society of Electrochemistry, Lausanne, Switzerland **2014**, (Oral)
39. **C. Viñas**, *Mercaptocarborane-capped gold clusters as a new class of artificial ionophores*, Fourth International Conference on Multifunctional, Hybrid and Nanomaterial, Sitges, Spain, **2015** (Oral)
40. **C. Viñas**, *Study on the spontaneous resolution of a solvated racemic Diiron complex via solid-vapor equilibria*, 41st Conference on Phase Equilibria, Coimbra, 2015 (Oral)
41. **C. Viñas**, *New diimine-dichalcogenolate PtII SONLO chromophores: an experimental and theoretical comparative study*. Southern Dalton Meeting, Brighton **2015**
42. **C. Viñas**, *Artificial electron-transfer sequence is possible on a single platform*, Smart Inorganic Polymers Conference, Uppsala, Sweden, **2015** (Oral)
43. **C. Viñas**, *The uniqueness of purely inorganic boron containing gold nanoparticles*. Zing Conference on Medicinal Chemistry of Boron Compounds Oropesa de Toledo, Spain, **2015** (Plenary).
44. **R. Pietschnig**, *Stabile Amphiphile Silanole*, Invited Speaker, SEPAWA-Kongress, Institut Hohenstein, **2015**
45. **R. Pietschnig**, *Stabile Amphiphile Silanole*, Invited Speaker, Wacker AG, Burghausen, **2015**
46. **A. Romerosa**, F. Scalambra, M. Serrano Ruiz, *Molecular structure of disorder metal organic polymers*, Molecular Spectroscopy Science Meeting 2015, Abingdon, UK, 29-30 January **2015**
47. **A.M. Caminade**, *Dendrimers for smart materials*, Saarbrücken (Germany), International Symposium New Molecules for New Materials, 18 February **2015**
48. **A.M. Caminade**, *Dendrimers and ferrocenes: synthesis, characterization and uses for materials and catalysis*, Leipzig (Germany), 13th Ferrocene Colloquium, 22-24 February **2015**
49. A. Schmied, **E. Hey-Hawkins**, *Selective Formation of Bis-phospholane-based Macrocycles, Polymeric Chains and Nanotubes*, 13th Ferrocene Colloquium, Leipzig, 22 February **2015**
50. **A. Romerosa**, F. Scalambra, S. Naim-Granados, M. Serrano-Ruiz, *Bispiridine ruthenium complexes containing PTA (PTA= adamantane phosphine): optical properties in water*, 12th European Workshop on Phosphorus Chemistry, Kassel, Germany, 16-18 March **2015**
51. R. Hoy, **E. Hey-Hawkins**, *Semi-Rigid Tris-Phospholane Ligands for the Selective Synthesis of Molecular Cages*, European Workshop for Phosphorus Chemistry (EWPC 12), Kassel, 16-18 March **2015**
52. **A.M. Caminade**, *Recent advances on dendrimers*, Kassel (Germany), COST meeting Smart Inorganic Polymers (SIPs), 19 March **2015**
53. **E. Hey-Hawkins**, *Report on the Activities of the Hey-Hawkins' Group in CM1302 SIPs*, COST Action CM1302 SIPs, Working Group Meeting, Kassel, 19 March **2015**
54. **M. Hissler**, *Molecular Materials for (opto)electronic devices*, Annual Meeting of BuildMona graduate school, Leibzig, Germany, 23-24 March 2015
55. A. Schmied, A. Straube, M. Streitberger, **E. Hey-Hawkins**, *Selective formation of bis-phospholane-based macrocycles, polymeric chains and nanotubes*, Graduate School BuildMoNa, Universität Leipzig, Fakultät für Chemie und Mineralogie, 23 March **2015**

56. R. Hoy, E. Hey-Hawkins, *Tridentate Phospholane Ligands – Suitable Building Blocks for Nanocontainers?*, Graduate School BuildMoNa, Universität Leipzig, Fakultät für Chemie und Mineralogie, 24 March **2015**
57. J. A. Navarro Garcia-Cervignon, E. Hey-Hawkins, *Metal-organic Frameworks with Chiral Binaphthalene-based Linkers*, Graduate School BuildMoNa, Universität Leipzig, Fakultät für Chemie und Mineralogie, 24 March **2015**
58. E. Ionescu, R. Yekani, S. Kaur, D. Scheid, M. Gallei, *Synthesis of high-surface-area V_8C_7/SiC Nanocomposites by Using Template-Assisted Processing of a Single-Source Precursor*, DKG 2015, Bayreuth, March **2015**
59. A. Valente, M.H. Garcia, F. Marques, A. Matos, P. Zinck, *Smart ruthenium nanodrugs for tumor targeted delivery: a new approach to fight cancer*, 1st European Conference on Pharmaceuticals Drug Delivery – Reims, France, 13-14 April **2015**
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61. A.M. Caminade, *Metal complexes of water-soluble dendrimers for catalysis and biology*, Almeria (Spain), Workshop Metal, Water and Sun 2015, 21-22 May **2015**
62. F. Joó, Á. Kathó, H. Horváth, G. Papp, Cs. E. Czégéni, K. Voronova, A. Udvardy, A. Romerosa, *Complexes of phosphines, N-heterocyclic carbenes and salans and their applications in aqueous organometallic catalysis*, Metal, Water and Sun 2015, Almeria, Spain, 21-22 May **2015**
63. A. Romerosa, F. Scalambra, S. Naim-Granados, M. Serrano-Ruiz, C. Saraiba-Bello, P. Lorenzo-Luis, E. Zenaida, M. Nozeman, *Water soluble Ruthenium complexes containing PTA: a versatile family of complexes with biological, catalytical to photochemical properties*, Metal, Water and Sun 2015, Almeria, Spain, 21-22 May **2015**
64. F. Scalambra, S. Imberti, L. Bernasconi, M. Serrano Ruiz, A. Romerosa, *Snorkelling in the flask: a spot about the isomerization of allylic alcohols in water catalysed by $[CpRu(PTA)_2(H_2O)]CF_3SO_3$* , Metal, Water and Sun 2015, Almeria, Spain, 21-22 May **2015**
65. E. Z. Mendoza Nozeman, P. L. Luis, A. Romerosa, *Synthesis and characterization of $[RuCp(dmoPTA)(PPh_3)_2]$ and the bimetallic complex $[RuCp(PPh_3)_2-\mu-dmoPTA-1\kappa P:2\kappa^2 N,N'-PdCl_2]$* , Metal, Water and Sun 2015, Almeria, Spain, 21-22 May **2015**
66. F. Scalambra, S. Nahim-Granados, M. Serrano-Ruiz, A. Romerosa, *Water soluble bis(2,2'-bipyridine)ruthenium(II) dyes: pH-dependent optical properties*, Metal, Water and Sun 2015, Almeria, Spain, 21-22 May **2015**
67. S. Nahim, F. Scalambra, A. Romerosa, *Heterometallic polymers containing PTA as new dye-sensitizer for solar cells (PTA = 1,3,5-Triaza-7-phosphaadamantane)*, Metal, Water and Sun 2015, Almeria, Spain, 21-22 May **2015**
68. M. Serrano-Ruiz, P. Lorenzo-Luis, A. Mena-Cruz, A. Romerosa, F. Joó, A. Katho, *Comparative study of the catalytic activity of $[RuClCp(HdmoPTA)(PPh_3)](OSO_2CF_3)$ and the bisheterometallic complexes $[RuClCp(PPh_3)-\mu-dmoPTA-1\kappa P:2\kappa^2 N,N'-MCl_2]$ for the isomerization of allylic alcohols in water*, Metal, Water and Sun 2015, Almeria, 21-22 Spain, May **2015**
69. L. Hajji, C. Saraiba, M. Serrano-Ruiz, G. Segovia-Torrente, A. Romerosa, *Water soluble ruthenium complexes containing PTA and mPTA against natural purine bases: novel purine coordination sites to ruthenium*, Metal, Water and Sun 2015, Almeria, Spain, 21-22 May **2015**
70. R. Medyouni, N. Hamdi, A. Romerosa, *Synthesis, NMR elucidation and assignments of a series of bioactive phthalonitriles, metal-free, zinc, copper, cobalt and nickel phthalocyanines bearing coumarin derivatives*, Metal, Water and Sun 2015, Almeria, Spain, 21-22 May **2015**
71. V. Jara Pérez, C. Monia, M.I. Montes Escudero, M. Serrano Ruiz, A. Romerosa, *Synthesis, anticancer activity and DFT study of complexes $[RuCp(X)LL']$ (Cp= cyclopentadienyl; X = 8-thio-theophyllinate (8TTH), 8-methylthio-theophyllinate (8MTT), 8-benzylthio-theophyllinate (8BTT); L=L' = mPTA; L = mPTA, L' = PPh₃; mPTA=N-methyl-1,3,5-triaza-7-phosphaadamantane; PPh₃=triphenylphosphine)*, Metal, Water and Sun 2015, Almeria, Spain, 21-22 May **2015**
72. A.M. Caminade, *Les propriétés biologiques des dendrimères phosphorés*, Brest (France), Colloque SFR/IBSAM, 11 June **2015**
73. D. Morales Salazar, M. Anwar Shameem, S. Pullen, E. Mijangos, A. Orthaber, *Phospha- and Arsa Heterofulvenoid Systems – Novel π conjugated Materials*. Caen, France, 14-19 June **2015**, ICHAC-2015
74. M. Hissler, *Molecular Materials for (opto)electronic devices”- 11th International Conference on Heteroatom Chemistry (ICHAC)*, Caen, France, 14-19 June 2015
75. E. Hey-Hawkins, *Selective tumour-targeting with biomolecule-chemotherapeutics conjugates*, Inorganic Chemistry Days 2015, Visby, Sweden (Invited Speaker), 16 June **2015**
76. E. Hey-Hawkins, *Facettenreiche Chemie mit Phosphor-funktionalisierten Ferrocenderivaten*, Institutskolloquium, Universität Kaiserslautern (Invited Speaker), 19 June **2015**
77. K. Šichová, P. Štenclová, J. Svoboda, J. Vohlídal, *Supramolecular polymers based on conjugated*

- bis(terpyridyl)quaterthiophene units substituted by ionic groups*; EPF 2015, Advances in Macromolecular Synthesis, Dresden, 21-26 June **2015**
78. M.H. Garcia, **A. Valente**, P. Zinck, F. Marques, *Organometallic ruthenium nanodrugs as potential anticancer agents*, XXI EuCheMS International Conference on Organometallic Chemistry – Bratislava, Slovakia, 5-9 July **2015**
 79. **E. Hey-Hawkins**, *From phosphorus compounds and materials to biological applications of carboranes*, Rey Juan Carlos University, Móstoles (Madrid), Spain (Invited Speaker, Elhuyar-Goldschmidt Award Lecture Tour), 15 July **2015**
 80. **M Hissler**, *Coordination chemistry of phospholes :A new perspective towards novel functional materials*”, 5th Asian Conference on Coordination Chemistry (ACCC 5), Hong-Kong, China, 12-16 July 2015
 81. **R. Pietschnig**, *Stable silanetriols – building blocks for surfactants, micelles and cages*, EUChemS, Wroclaw, Poland, **2015**
 82. **R. Pietschnig**, *Stable silanetriols – building blocks for surfactants, micelles and cages*, IRIS Regensburg **2015**
 83. **R. Pietschnig**, *Functional [3]ferrocenophanes*, TU Graz, Graz, Austria, **2015**
 84. A.Schmied, **E. Hey-Hawkins**, *Bisphospholane-based metal complexes with interesting optical and catalytic properties*, 8th Workshop of the Hey-Hawkins Group 2015, Colditz, 05-07 August **2015**
 85. R. Precker, **E. Hey-Hawkins**, *BioMOFs as drug carriers in cancer therapy*, 8th Workshop of the Hey-Hawkins Group 2015, Colditz, 05-07 August **2015**
 86. A. Aleksovska, **E. Hey-Hawkins**, *Photoactive metal-organic frameworks – synthesis and applications*, 8th Workshop of the Hey-Hawkins Group 2015, Colditz, 05-07 August **2015**
 87. J. A. Navarro, **E. Hey-Hawkins**, *Metal-organic frameworks with chiral binaphthalene-based linkers*, 8th Workshop of the Hey-Hawkins Group 2015, Colditz, 05-07 August **2015**
 88. Y. Qu, **E. Hey-Hawkins**, *Ferrocene-containing polymers with phosphazene moieties as backbones*, 8th Workshop of the Hey-Hawkins Group 2015, Colditz, 05-07 August **2015**
 89. **E. Hey-Hawkins**, *Phosphorus meets carborane*, Indian Institute of Science Education and Research (IISER), Pune, India, 13 August **2015**
 90. **E. Hey-Hawkins**, *Macrocycles, chains, nanotubes and molecular wires: unusual coordination chemistry with flexible bis-phospholane-based ligands*, Department of Chemistry, Savitribai Phule Pune University, India, 14 August **2015**
 91. F. Marques, A. Pilon, A.Fautino, H. Jeremias, M.H. Garcia, **A. Valente**, *Multifunctional polymer-ruthenium cyclopentadienyl complexes: application as anticancer agents for photodynamic therapy*, 16th Congress of the European Society for Photobiology, Aveiro, Portugal, 31 August – 4 September **2015**
 92. **E. Hey-Hawkins**, *Boron clusters in medicinal chemistry*, 19th Romanian International Conference on Chemistry and Chemical Engineering, Sibiu, Romania (Plenary Speaker), 04 September **2015**
 93. **E. Hey-Hawkins**, *Catalysis - A powerful means for sustainable developments*, 10th Joint International Conference on Chemistry: Chemistry for Sustainable Development, Solo-Central Java, Indonesia (Plenary Speaker), 08 September **2015**
 94. **E. Hey-Hawkins**, *The importance of chemistry for nanotechnology*, 5th Annual International Conference (the 5th AIC), Bandah Aceh, Indonesia, (Keynote Speaker), 10 September **2015**
 95. **E. Hey-Hawkins**, *From phosphorus compounds and materials to biological applications of carboranes*, Syiah Kuala University, Bandah Aceh, Indonesia, (Invited Speaker), 11 September **2015**
 96. **M. Hissler**, *Phospholes, a powerful tool for the development of molecular materials*” - IX Zhengzhou Chemistry Workshop, Zhengzhou, China, 21-22 September 2015
 97. **A.M. Caminade**, S. Fruchon, C.O. Turrin, J.P. Majoral, G. Pavan, R. Poupot, *Inorganic versus Organic: the key role of the scaffold on the efficiency of dendrimer nanodrugs*, Uppsala (Sweden) EUSIPs 24-26 September **2015**
 98. **A. Valente**, L. Côte-Real, A.P. Matos, M. H. Garcia, F. Marques, *Multifunctional polymer-ruthenium conjugates: new promising anticancer agents*, 2nd European Conference on Smart Inorganic Polymers, Uppsala, Sweden, 24-26 September **2015**
 99. **E. Hey-Hawkins**, *Chiral phosphorus-boron based polymers with ferrocenyl side chains*, 2nd EuSIP, Uppsala, Sweden (Speaker), 25 September **2015**
 100. **H. Helten**, O. Ayhan, T. Lorenz, *Unsaturated B=N units as part of linear (π -conjugated) polymers*, 2nd European Conference on Smart Inorganic Polymers, Uppsala/Sweden, 26 September **2015**
 101. F. Scalambra, M. Serrano-Ruiz, D. Gudat, **A. Romerosa**, *Solid state structural fluxionality under pressure of the heterometallic polymer $\{[(\text{PTA})_2\text{CpRu}-\mu\text{-CN-RuCp}(\text{PTA})_2]-\mu\text{-CdCl}_3\}_n$* , 2nd European Conference on Smart Inorganic Polymers, Uppsala, 24-26 September **2015**
 102. S. Hartung, **R. Pietschnig**, *Phosphorus based polymers as flame retardants*, 2nd European Conference on Smart Inorganic Polymers, Uppsala, Sweden, 24-26 September **2015**
 103. E. Z. Mendoza Nozeman, P. L. Luis, F. Scalambra, **A. Romerosa**, *Synthesis and characterization of*

- the bimetallic complex $[RuCp(PPh_3)_2-1\kappa P:2\kappa^2 N,N'-CoCl_2]$, 2nd European Conference on Smart Inorganic Polymer, Uppsala 24-26 September **2015**
104. J. Barkauskas, J. Gaidukevič, J. Razumienė, I. Šakinytė, *Synthesis and investigation of graphene-based parathiocyanogen nanocomposites*, 2nd European Conference on Smart Inorganic Polymers, Uppsala, Sweden, 24-26 September **2015**
 105. M. Dede, E. Güz, T. Eren, *Synthesis of reactive phosphorus flame retardant and its application to polyurethane formulation*, 2nd European Conference on Smart Inorganic Polymers, Uppsala, Sweden, 24-26 September **2015**
 106. E. Işıksel, E. Öztürk, G. Kahraman, T. Eren, *Synthesis of phosphorus containing non-flammable ROMP based polymers*, 2nd European Conference on Smart Inorganic Polymers, Uppsala, Sweden, 24-26 September **2015**
 107. R. Pietschnig, *Stereocontrol in functional [3]ferrocenophanes*, 2nd European Conference on Smart Inorganic Polymers, Uppsala, Sweden, 24-26 September **2015**
 108. J. Vohlídal, D. Rais, M. Menšík, P. Štenclová-Bláhová, J. Svoboda, J. Pflieger, *Time-resolved transient optical absorption study of bis(terpyridyl)oligothiophenes and their metallo-supramolecular polymers with Zn(II) ion couplers*, 2nd European Conference on Smart Inorganic Polymers, Uppsala, Sweden, 24-26 September **2015**
 109. K. Šichová, P. Štenclová, J. Svoboda, J. Vohlídal, *Alcohol-soluble bis(tpy)quater-thiophenes and their assembly with Zn²⁺ and Fe²⁺ ions into constitutional dynamic poly-electrolytes*, 2nd European Conference on Smart Inorganic Polymers, Uppsala, Sweden, 24-26 September **2015**
 110. M. Haukka, R. Tatikonda, K. Machal, *Metal-metal Interactions in 1D metallopolymers*, 2nd European Conference on Smart Inorganic Polymers, Uppsala, Sweden, **2015**.
 111. R. Tatikonda, M. Haukka, *1D and 3D Coordination Polymers of Zn(II) and Ag(I) with Polydentate 2,2'-Biimidazole Derivatives*, 2nd European Conference on Smart Inorganic Polymers, Uppsala, Sweden, **2015**.
 112. E. Hey-Hawkins, *Immobilised phosphorus-functionalised ferrocene derivatives for applications in catalysis*, Mini-Symposium, Eindhoven, Niederlande, (Invited Speaker), 30 September **2015**
 113. E. Ionescu, *Thermodynamic control of phase composition and crystallization in polymer-derived ceramic nanocomposites*, MS&T 2015, Columbus Ohio, October **2015** (invited lecture)
 114. E. Ionescu, *Polymer-derived ceramic nanocomposites for energy-related applications*, sino-German Symposium on Design, Processing and Application of Advanced Ceramic Materials, Zhengzhou, November **2015** (invited lecture)
 115. A. Valente, M.H. Garcia, A. Pilon, A.P. Matos, F. Tortosa, N. Mendes, F. Gärtner, A. Preto, R. Francisco, B. T. Buckley, F. Marques, *On the mode of action of new promising anticancer agents: multifunctional polymer-ruthenium conjugates*, 4th International Conference In Medicinal Chemistry And Computer Aided Designing, Atlanta, USA, 2-4 November **2015** (invited speaker)
 116. E. Hey-Hawkins, *Macrocycles, chains, nanotubes and molecular wires: unusual coordination chemistry with flexible bis-phospholane-based ligands*, "Athene's Chemistry" Conference, organised to honour the 70th birthday of Magdolna Hargittai, Budapest, Hungary, (Invited Speaker), 27 November **2015**
 117. A.M. Caminade, *Structure/property relationship of dendrimers*, Budapest, Hungary, Athene's Chemistry Conference of Outstanding Women Scientists, 27 November **2015**
 118. Organophosphorus polycyclic aromatic hydrocarbons : A strong phosphorus/pi-system synergistic effect, Athenes Chemistry, Budapest, Hongary, 27 November 2015
 119. E. Ionescu, *Single-source-precursor synthesis of novel functional polymer-derived ceramic nanocomposites (PDC-NCs) for energy-related applications*, International Conference on Ceramic & Advanced Materials for Energy and Environment CAMEE2015, Bangalore, December **2015** (invited lecture)
 120. H. Helten, *Unsaturated B=N units as part of linear (π -conjugated) polymers*, Anorganisch-Chemisches Kolloquium, Göttingen/Germany, 1 December **2015**
 121. A. Valente, M.H. Garcia, A. Pilon, A.P. Matos, F. Mendes, M.A.F. Faustino, N. Mendes, F. Gärtner, A. Preto, R. Francisco, F. Marques, *Multifunctional polymer-ruthenium cyclopentadienyl complexes: new promising anticancer agents*, 1st International Caparica Christmas Conference on Translational Chemistry, Caparica, Portugal, 7-10 December **2015** (invited speaker)
 122. E. Hey-Hawkins, *Macrocycles, chains, nanotubes and molecular wires: unusual coordination chemistry with flexible bis-phospholane-based ligands*, Inorganic Colloquium, Ohio University, Athens, Ohio, (Invited Speaker), 8 December **2015**
 123. M. Hissler, *Aggregation induced emission of organophosphorus compounds for opto-electronic applications* - IWNBP, Cabourg, France, 6-11 December **2015**
 124. E. Hey-Hawkins, *Carboranes in medicinal chemistry*, Pacifichem 2015 Congress, Symposium Session

Title: Chemistry and Application of Boron Clusters, #152, Honolulu, Hawaii, USA, (invited speaker), 20 December **2015**

125. **M. Hissler**, Advances in phosphole based molecular materials” - The International Chemical Congress of Pacific Basin Societies, Honolulu, Hawaii, USA, 15 – 20 December, 2015
126. **C. Viñas**, *Carboranylphosphinic acids: a new class of purely inorganic ligands. Synthesis, characterization and applications*, IX Trobada de joves investigadors dels Països Catalans, Perpinyà, France, **2016** (Oral)
127. C. Viñas, Use of Cobaltabisdicarbollide in Electrochemical Nanobiocomposites. XXXVII Reunión de Grupo de Electroquímica de la RSEQ. Alicante, Spain **2016** (Oral)
128. **E. Ionescu**, R. Riedel, *Single-Source-Precursor Synthesis of Novel Functional Polymer-Derived Ceramic Nanocomposites (PDC-NCs) for Energy-Related Applications*, ICACC 2016, Daytona Beach, January **2016** (invited lecture)
129. **H. Helten**, *B=N-Bindungen als Teil linearer (p-konjugierter) Polymere*, Anorganisch-Chemisches Kolloquium, Rostock/Germany, 14 January **2016**
130. **A.M. Caminade**, *Dendrimers: highly adaptable tools for catalysis, materials and biology*, 1st GDRI-HC3A meeting, Toulouse, France, 26-27 January **2016** (invited talk)
131. **M. Hissler**, Coordination chemistry of phospholes : a new perspective towards the development of novel functional materials, Heteroelements and coordination chemistry: from concepts to applications, 1st HC3A meeting, Toulouse, France, 26 – 27 January, 2016
132. **E. Hey-Hawkins**, *Formation of rings, chains and nanotubes by self-assembly of transition metal Bis-phospholane Complexes*, San Diego, Zing Conference on Inorganic Polymers, Carlsbad, USA, 12-15 February **2016** (plenary Speaker)
133. **M. Hissler**, Phosphorus-based chromophores for opto-electronics, Inorganic Polymers conference, Zing conferences, Carlsbad, San Diego, USA, 12 – 15 February 2016
134. **A.M. Caminade**, *Inorganic hyperbranched macromolecules for catalysis, materials and nanomedicine. The case of phosphorus dendrimers*, San Diego Carlsbad (CA, USA) Zing Conference on Inorganic Polymers, 12-15 February **2016**
135. **A. Staubitz**, *Stannole containing polymers - new low band-gap materials*, San Diego Carlsbad (CA, USA) Zing Conference on Inorganic Polymers, 12-15 February **2016**
136. **M. Haukka**, *Metal-Metal Interactions in Metallopolymers*, Inorganic Polymers Conference, San Diego, USA, **2016**.
137. **M. Scheer**, *Highly reactive Monomers – Building Blocks for novel Polymers and Materials*, Zing Conferences: Inorganic Polymers Conference, Carlsbad, USA, **2016**.
138. S. Borucki, S. Hartung, D. Kargin, **R. Pietschnig**, *Approaches to inorganic polymers with stereocenters*, 13th Ferrocene Kolloquium, Konstanz, Germany, 21-22 February **2016**
139. J. Popp, **E. Hey-Hawkins**, *P-Stereogenic dendritic ferrocenyl phosphines*, 14th Ferrocene Colloquium Konstanz 2016, Konstanz, 20-24 February **2016**
140. **A.M. Caminade**, *Phosphorus dendrimers as sustainable nanotools*, EWPC13, Berlin, Germany, 7-9 March **2016**
141. D. Morales-Salazar, E. Mijangos, S. Pullen, **A. Orthaber**, *Fluorenic phosphalkenes and arsaalkenes as buiding block for π -conjugated polymers*, 13th European Workshop on Phosphorus Chemistry EWPC13, Berlin, Germany, 7-9 March **2016**
142. **A. Romerosa**, S. Nahim-Granadso, F. Scalambra, M. Serrano Ruiz, *Water soluble luminescent polyhetero-complexes*, 13th European Workshop on Phosphorus Chemistry EWPC13, Berlin, Germany, 7-9 March, **2016**
143. **A. Orthaber**, *Biphenyl-based arsine and arsole systems. Optical-, electronic-properties and potential applications in catalysis*, 13th European Workshop on Phosphorus Chemistry EWPC13, Berlin, Germany, 7-9 March **2016**
144. M.A. Shameem, A. El Nahaas, J. Uhlig, **A. Orthaber**, *Phosphorus and arsenic π -conjugated systems*, 13th European Workshop on Phosphorus Chemistry EWPC13, Berlin, Germany, 7-9 March **2016**
145. J. A. Navarro Garcia-Cervgion, P. Lönnecke, **E. Hey-Hawkins**, *Isorecticular coordination polymer with a chiral binaphthalene-based linker*, 13th European Workshop on Phosphorus Chemistry EWPC13, Berlin, Germany, 7-9 March **2016**
146. E. Işiksel, E. Öztürk, G. Kahraman, **T. Eren**, *Synthesis of phosphorus containing ROMP based polymers*, 13th European Workshop on Phosphorus Chemistry EWPC13, Berlin, Germany, 7-9 March **2016**
147. N. C. Süer, C. Demir, Ö. Yalçın, M. A. Yapaöz, **T. Eren**, *Synthesis and chracterisation of phosphonium containing ROMP based polymers and investigation of their antibacterial activity*, 13th European Workshop on Phosphorus Chemistry EWPC13, Berlin, Germany, 7-9 March **2016**
148. S. Borucki, S. Hartung, D. Kargin, **R. Pietschnig**, *Approaches to inorganic polymers*, 13th European Workshop on Phosphorus Chemistry EWPC13, Berlin, Germany, 7-9 March **2016**
149. D Morales Salazar, E. Mijangos, S. Pullen, **A. Orthaber**, *Fluorenic phosphalkenes and arsaalkenes*

- as building blocks for functional π -conjugated polymers, Berlin, Germany, 7-9 March **2016**, EWPC13
150. H. Helten, A. Lik, *Boron-doped porphyrinoids*, Chemiedozententagung, Heidelberg/Germany, 22 March **2016**
 151. D. Scheschkewitz, "Functionalisation and stepwise expansion of stable unsaturated silicon clusters (siliconoids)", Sino-German Symposium at Perking, China, 11th – 15th April **2016**.
 152. A.M. Caminade, *Phosphorus-containing dendrimers*, Cluj (Romania) COST meeting Smart Inorganic Polymers (SIPs), 18-19 April **2016**
 153. L. Côte-Real, M. H. Garcia, A. S. Viana, A. Valente, *Self-assembled polymer-metal micelles: new promising anticancer agents*; 5PYChem/EyChem, Guimarães, Portugal, 26-29 April **2016**
 154. T. Moreira, A. Sanches, A. Pilon, R. Francisco, A. G. Ferreira, M.H. Garcia, A. Preto, A. Valente, *Exploring the effect of multifunctional polymer-ruthenium conjugates: new promising anticancer agents*, 2nd ASPIC International Congress, Porto, Portugal, 28-29 April **2016**
 155. M.Gallei, Makromolekulares Kolloquium Mainz, Johannes Gutenberg Universität and Max-Planck-Institut Mainz, Invited Talk, May **2016**
 156. E. Hey-Hawkins, *Catalysis - A powerful means for sustainable developments*, Jiangsu University, China (guest professor), 11 May **2016**
 157. E. Ionescu, *Effect of boron incorporation on the phase composition and high-temperature behavior of polymer-derived silicon carbide*, HT-CMC9, Toronto, June **2016**
 158. A. Koner, G. Pfeiffer, R. Streubel, "Imidazole-2-thione-based tricyclic 1,4-dihydro-1,4-diphosphinines: synthesis, structure and reactivity", 21st International Conference on Phosphorus Chemistry, Kazan, Russia, 5th-10th June **2016**.
 159. A. W. Kyri, R. Streubel, "1,2-Oxaphosphetane complexes: syntheses and reactions", 21st International Conference on Phosphorus Chemistry, Kazan, Russia, 5th-10th June **2016**.
 160. M. Hissler, *Aggregation induced emission of organophosphorus compounds for opto-electronic applications*, ICPC, Kazan, Russie, 5-10 June 2016
 - 161.
 162. A.M. Caminade, *Cyclotriphosphazene, an old compound applied to the synthesis of smart dendrimers with tailored properties*, 21st International Conference on Phosphorus Chemistry, Kazan, Russia, 5th-10th June **2016** (invited conference)
 163. A. Kumar Gupta, S. Akkarasamiyo, A. Orthaber, *Biphenyl-based arsine and arsole systems: Coordination chemistry and catalytic performance*, Umeå, Sweden, Swedish Organic Chemistry Days, 14-16 June **2016**
 164. A. Valente, L. Côte-Real, G. Nogueira, A. Sanches, F. Marques, F. Tortosa, F. Gärtner, N. Mendes, M. H. Garcia, *Polymer-metal conjugates: versatile scaffolds for the synthesis of new antitumor drugs*, European Chemistry Congress, Rome, Italy, 16-18 June **2016**
 165. D. Scheschkewitz, "Functionalisation and stepwise expansion of stable unsaturated silicon clusters (siliconoids)", 47th Silicon Symposium, Portland, Oregon, USA, 19th – 23rd June **2016**
 166. B. Pinto, A. S. Viana, M. H. Garcia, P. J. Mendes, A. Valente, *New metal-based micelles as anticancer agents*, 12 Encontro Nacional de Química-Física / 1 Simpósio de Química Computacional, 22-24 June **2016**
 167. E. Ionescu, X. G. Luan, Z. Shen, R. Riedel, *Polymer Processing Technologies for UHTC-NCs, Shaping VI*, Montpellier, France, July **2016** (invited lecture)
 168. A. Kumar Gupta, M. Anwar Shameem, A. Orthaber, *Different facets of coinage metal-coordination chemistry: From mononuclear complexes to d¹⁰-metal clusters and gold nanoparticles*, Brest, ICC-2016, France, 3-8 July **2016**
 169. S. Valić, A. Ivanoska Dacicj, M. Petković Didović, D. Klepac, G. Bogoeva Gaceva, *ESR – spin probe method in studying organic-inorganic polymer systems: an effect of solvent used during probe incorporation*, ICC-2016, Brest, France, 3-8 July **2016**
 170. J. Fassbender, R. Streubel, "P-^tBu oxaphosphirane complexes and products derived thereof – going for small to enable new reactivity", 42nd International Conference on Coordination Chemistry, Brest, France, 3rd – 8th July **2016**.
 171. D. Scheschkewitz, "Functionalisation and stepwise expansion of stable unsaturated silicon clusters (siliconoids)", 42nd International Conference on Coordination Chemistry, Brest, France, 04 – 08th July **2016**
 172. C. Viñas, *Connecting Design of Purely Inorganic Water-Soluble Polymers: The Role of Carborane Clusters and Producing Large Structural Adjustments from Minor Molecular Changes* International Conference on Coordination Chemistry (ICCC2016), Brest, France, July **2016** (Invited key).
 173. J. Almeida, A. Aguiar, A. Leite, L. Cunha-Silva, B. de Castro, M. Rangel, A. M. G. Silva, *Synthesis and photophysical properties of isoxazolidine-fused meso-tetraarylchlorins and their metal complexes*, 42nd International Conference on Coordination Chemistry, Brest, France, **2016**.
 174. J. Braese, M. Scheer, *Luminescent Gold(I) Complexes with Phosphanyl- and Arsanylborane Ligands*, International Conference on Coordination Chemistry (ICCC), Brest, France, **2016**.

175. **A.M. Caminade**, *Phosphorus dendrimers decorated with copper complexes of N,N ligands, used as catalysts and as anti-tumor agents*, 42nd International Conference on Coordination Chemistry (ICCC) Brest, France, 04 – 08th July **2016**
176. **R. Streubel**, “3-Imino-azaphosphiridine complexes: strained rings, 1,3-dipoles, reactive intermediates and unusual non-metal isonitrile adducts”, 23rd IUPAC Conference on Physical Organic Chemistry, Sydney, Australia, 5th July **2016**.
177. **J. Barkauskas**, J. Gaidukevič, J. Razumienė, I. Šakinytė, R. Baronas, K. Petrauskas, *Electrocatalytic activity of graphene/(SCN)_n composites for oxygen reduction reaction*, Carbon 2016, State College, PA, USA, 10-15 July **2016**
178. A. Matos, F. Marques, R. Francisco, T. Moreira, A. Preto, M. H. Garcia, **A. Valente**, *Unraveling the mode of action of new promising polymer-ruthenium conjugates*, ULTRAPATH XVIII July 11-15, **2016**, Lisbon, Portugal (Poster)
179. O. Ayhan, **H. Helten**, *Poly(iminoborane)s: An Elusive Class of Main Group Polymers?*, Würzburg Summer School 2016: Molecular Boron Chemistry – From Unusual Molecules and Clusters to Applications in Synthesis and Materials Sciences, Würzburg/Germany, 25th–29th July **2016** (poster award).
180. **A.M. Caminade**, *The long story of dendrimer ABP in chemistry and biology*, Copenhagen (Denmark) Biodendrimers 2016, 2-5 August **2016** (plenary conference)
181. **H. Helten**, T. Lorenz, O. Ayhan, A. Lik, L. Müller, L. Fritze, N. Riensch, *π -Conjugated Organoboron Polymers*, 22nd Ostwald Colloquium of the German Colloid Society – Complexation in Polymer and Colloid Systems, Aachen/Germany, 2nd September **2016** (oral)
182. A. Lik, L. Müller, L. Fritze, N. Riensch, **H. Helten**, *Catalytic B–C coupling via Si/B exchange: a versatile route to π -conjugated organoborane polymers*, Bioanorganisches Symposium 2016, Aachen/Germany, 1st–3rd September **2016** (poster)
183. T. Lorenz, **H. Helten**, *Organic–Inorganic Hybrid Polymers with BN Units in the Main Chain Using Silazane Cleavage*, Bioanorganisches Symposium 2016, Aachen/Germany, 1st–3rd September **2016** (poster)
184. O. Ayhan, **H. Helten**, *Poly(iminoborane)s: An Elusive Class of Main Group Polymers?*, Bioanorganisches Symposium 2016, Aachen/Germany, 1st–3rd September **2016** (poster)
185. J. Fassbender, **R. Streubel**, “Oxaphosphirane complex chemistry – A new start for potential polymer building blocks”, 3rd European Conference on Smart Inorganic Polymers, Porto, Portugal, 12th – 14th September **2016**.
186. A. Gese, M. Akter, **R. Streubel**, “Phosphorus-functionalization of 1,3-Dithiole-2-thiones”, 3rd European Conference on Smart Inorganic Polymers, Porto, Portugal, 12th - 14th September **2016**.
187. A. Kyri, P. Brehm, **R. Streubel**, “1,2-Oxaphosphetane complexes: novel precursors for P-containing polymers?”, 3rd European Conference on Smart Inorganic Polymers, Porto, Portugal, September 12th – 14th **2016**.
188. **H. Helten**, A. Lik, L. Müller, L. Fritze, N. Riensch, *Catalytic B–C coupling via Si/B exchange: a versatile route to π -conjugated organoborane oligomers and polymer*, 3rd European Conference on Smart Inorganic Polymers, Porto/Portugal, 13th September **2016** (oral)
189. A. Ivanoska-Dacicj, G. Bogoeva-Gaceva, **S. Valić**, *The use of electron spin resonance in studying chain dynamics of organic-inorganic polymer samples and the synergy between organic and inorganic component*, 3rd EuSIP, Porto, September 12-14, **2016** (poster)
190. M. Dragičević, T. Antonić-Jelić, **S. Valić**, *Local Molecular Dynamics in Polyisoprene-Zeolite Composites*, 3rd EuSIP, Porto, September 12-14, **2016** (poster)
191. J. Almeida, A. Leite, A. M. N. Silva, L. Cunha-Silva, B. de Castro, M. Rangel, A. Pilon, **A. Valente**, A. M. G. Silva, “Strategical synthesis of porphyrinic carboxylate ligands as promising photosensitizers for photodynamic therapy of cancer”, Third European Conference on Smart Inorganic Polymers, 12th-14th September **2016**, Porto, Portugal. (Oral).
192. L. Côte-Real, A. P. Soto, A. S. Viana, M. H. Garcia, **A. Valente**; “Self-assembled polymer-ruthenium micelles: new promising anticancer agents”, Third European Conference on Smart Inorganic Polymers, 12th-14th September **2016**, Porto, Portugal. (Oral).
193. **A. Valente**, A. Pilon, A. Sanches, M. H. Garcia, F. Marques, A. M. Martins, L. G. Alves, *Functionalization of iron complexes with polymer-based macroligands: application in cancer therapy*, Third European Conference on Smart Inorganic Polymers, 12th-14th September **2016**, Porto, Portugal (poster)
194. **C. Viñas**, *On the verge of Bioinorganic and Inorganic Chemistry: Metallacarboranes in Nanomedicine*, EUROBORON 7. European Conferences on Boron Chemistry, Suzdal, Russia, September **2016**. (Invited).
195. A. Leite, J. Almeida, L. Cunha-Silva, B. de Castro, M. Rangel, **A. M. G. Silva**, *Paramagnetic properties of Cu^{II} complexes of porphyrinic carboxylate ligands*, 3rd European Conference on Smart Inorganic Polymers, Porto, Portugal, 12th-14th September **2016**.

196. C. Queirós, B. de Castro, C. Sun, J. Cabanillas-Gonzalez, L. Cunha-Silva, **A. M. G. Silva**, *Photoluminescent coordination polymers based on 5-aminoisophthalic acid*, 3rd European Conference on Smart Inorganic Polymers, Porto, Portugal, 12th-14th September **2016**.
197. C. Queirós, S. Balula, B. de Castro, L. Cunha-Silva, **A. M. G. Silva**, *Cobalt and 5-aminoisophthalic acid Coordination Polymers: application in olefin oxidation*, 3rd European Conference on Smart Inorganic Polymers, P18, Porto, Portugal, 12th-14th September **2016**.
198. E. Oleshkevich, F. Teixidor, A. Rossell, A. Morancho, K. Galenkamp, **C. Viñas** "Carboranylphosphinic acids a new class of purely inorganic ligands: Aiming towards future multifunctional materials". Third European Conference on Smart Inorganic Polymers. Porto, Portugal, September 12th-14th **2016** (Oral).
199. **A.M. Caminade**, *Diversification of the internal structure of phosphorus-containing dendrimers. Recent advances*, 3rd EuSIP, Porto, Portugal, September 12-14, **2016** (oral)
200. **A.M. Caminade**, *Selected recent advances in the field of dendrimers*, COST meeting Smart Inorganic Polymers (SIPs), Porto, Portugal, September 15-16, **2016**
201. **A.M. Caminade**, *WG2: Synthetic approaches to polymers with defined and optimised properties*, COST meeting Smart Inorganic Polymers (SIPs), Porto, Portugal, September 15-16, **2016**
202. A. Ivanoska-Dacikj, G. Bogoeva-Gaceva, **S. Valić**, S. Wießner, G. Heinrich, *Hybrid nano-filler networking in natural rubber: experiment and theory*, 9th ECNP International Conference on Nanostructured Polymers and Nanocomposites, Rome, Italy, September 19-21, **2016** (poster)
203. T. Lorenz, **H. Helten**, *Organic-Inorganic Hybrid Polymers with BN Units in the Main Chain Using Silazane Cleavage*, 18. Vortragstagung der Wöhler-Vereinigung für Anorganische Chemie, Berlin/Germany, 26th-28th September **2016** (poster)
204. A. Lik, L. Müller, L. Fritze, N. Riensch, **H. Helten**, *Catalytic B-C coupling via Si/B exchange: a versatile route to π -conjugated organoborane polymers*, 18. Vortragstagung der Wöhler-Vereinigung für Anorganische Chemie, Berlin/Germany, 26th-28th September **2016** (poster)
205. O. Ayhan, **H. Helten**, *Poly(iminoborane)s: An Elusive Class of Main Group Polymers?*, 18. Vortragstagung der Wöhler-Vereinigung für Anorganische Chemie, Berlin/Germany, 26th-28th September **2016** (poster)
206. **H. Helten**, *Unsaturated B=N Units in (π -Conjugated) Linear Polymers*, 18. Vortragstagung der Wöhler-Vereinigung für Anorganische Chemie, Berlin/Germany, 28th September **2016** (oral)
207. **A.M. Caminade**, *Dendrimers as tools towards nanomedicine*, ICONAN 2016 (International Conference on Nanomedicine and Nanobiotechnology), Paris, France, 28-30 September **2016** (plenary conference)
208. **A. Valente**, L. Côte-Real, T. Moreira, A. Preto, M. H. Garcia, *Targeting cancer with new multifunctional metallodrugs*, World Congress on Cancer Research and Therapy. Nov. 21-23 **2016**, Miami, Florida, USA (Invited lecture)
209. **C. Viñas**, *Metallacarboranes: electroactive anions for sensors and biosensors development*, XI Workshop sensors and biosensors. Alicante Noviembre 2016. (Invited).
210. T. Moreira, R. Francisco, M. H. Garcia, **A. Valente**, A. Preto, *Multifunctional polymer-ruthenium conjugates as new promising anticancer agents*. XIX National Congress of Biochemistry, 8-10 December **2016**, Guimarães, Portugal (poster)
211. **H. Helten**, *π -Conjugated Organoboron Polymers*, Lieseberg-Kolloquium der Ruprecht-Karls Universität Heidelberg (WS 2016/17), Heidelberg/Germany, 12th December **2016** (invited lecture)
212. **R. Pietschnig**, *Towards Ferrocenylene bridged Bisphosphanotetrylenes*, European Silicon Days, Poznan, Poland, **2016**.
213. **R. Pietschnig**, *Henkel mit Funktion – Phosphorreiche [3]Ferrocenophane*, Univ. Leipzig, Leipzig, Germany, **2016**.
214. **R. Pietschnig**, *Functional [3]Ferrocenophanes*, TU Graz, Graz, Austria, **2016**.
215. **M. Scheer**, *Polyphosphorus Compounds as Building Blocks for Polymeric Materials and Spherical Giant Clusters*, CLUSPOM-1, Rennes, France, **2016**.
216. **M. Scheer**, *Polyphosphorus Compounds as Building Blocks for Polymeric Materials and Spherical Giant Clusters*, VI. International Symposium on Selected Problems of the Chemistry of Acyclic and Cyclic Heteroorganic Compounds, Częstochowa, Poland, **2016**.
217. **M. Hissler**, *P-containing Polycyclic Aromatic Hydrocarbons: Coordination chemistry and Opto-electronic applications* - ICFPAM 2016, Deajeon, Corée, 31 October- 4 November 2016.
218. **A. Orthaber**, Keynote Lecture Austrian Chemical Days, Salzburg, Austria, **2017**.
219. **A. Orthaber**, Oorgandagarna, Nynäsham. Sweden, **2017**.
220. **A. Orthaber**, "KoPo" Conjugated Oligomers and Polymers, Bad Honeff, Germany, **2017**.
221. **A. Orthaber**, Chemeidozententagung, Marburg, Germany, **2017**.
222. **A. Orthaber**, GÖCH Seminar, JKU-Linz, Austria, **2017**.
223. **R. Pietschnig**, *Stereochemically constrained bisphosphano tetrylenes*, Hyper/Hypo-Coord. Group 14, Moscow, Russia, **2017**.
224. **R. Pietschnig**, *Stereochemically constrained linear phosphorus chains*, TU Budapest, Hungary, **2017**.

225. R. Pietschnig, *Henkel mit Funktion – Phosphorreiche [3]Ferrocenophane*, Univ. Bremen, Bremen, Germany, **2017**.
226. J. Almeida, A. Leite, A. M. N. Silva, L. Cunha-Silva, B. de Castro, M. Rangel, A. M. G. Silva, *Aiming at cancer: Structural and spectroscopic studies of new metalloporphyrins and metallochlorins*, XXV edition of the SPQ National Meeting, Lisbon, Portugal, **2017**.
227. J. Almeida, A. Aguiar, A. Leite, A. M. N. Silva, L. Cunha-Silva, B. Castro, M. Rangel, G. Barone, A. C. Tomé, A. M. G. Silva, *Porphyrins in 1,3-dipolar cycloadditions. Novel synthetic avenues to annulated chlorins and mixed bisadducts*, XXV edition of the SPQ National Meeting, Lisbon, Portugal, **2017**.
228. O. Hegen, C. Marquardt, M. Scheer, *A convenient route to mixed pnictogenylboranes*, European workshop on phosphorus chemistry 10 (EWPC 10), Cluj-Napoca, Romania, **2017**.
229. D. Kargin, R. Pietschnig, *Approaches to bisphosphano based tetrylenes*, 9. MHC, Leibnitz, Austria, **2017**.
230. D. Klintuch, R. Pietschnig, *Phospholes – Big variety via one route*, 9. MHC, Leibnitz, Austria, **2017**.
231. K. Krekic, R. Pietschnig, *Facile access to Ln³⁺ phosphonic ester coordination polymers*, 9. MHC, Leibnitz, Austria, **2017**.
232. D. Kargin, D. Klintuch, R. Pietschnig, *Approaches towards stereochemically constrained bisphosphano silylenes*, Hyper/Hypo-Coord. Group 14, Moscow, Russia, **2017**.
233. Kargin, R. Pietschnig, *Approach Towards Bisphosphano-Based Tetrylenes via Stereoselective [3]-Ferrocenophanes*, Ferrocene Kolloquium, Mainz, Germany, **2017**.
234. M. Hissler, *Advances in phosphorus based molecular materials* - Symposium Macrocycles, Nantes, France, 9 February 2017
235. L. Côte-Real, A. P. Soto, A. S. Viana, A. R. Fernandes, M. H. Garcia, A. Valente, *New self-assembled polymer-metal compounds: highly efficient anticancer vesicles*, Chem&BioChem postgraduate students meeting, 9th February **2017**, Lisboa, Portugal (Oral).
236. E. Ionescu, *Formability of perovskite-type metal oxynitrides*, Hemdsärmelkolloquium Festkörperchemie (HÄKO) 2017, Augsburg, March **2017**: (Oral).
237. R. Teixeira, L. Corte-Real, F. Avecilla, M. H. Garcia, F. Marques, A. Valente, *New ruthenium-methylcyclopentadienyl family of anticancer agents: synthesis, characterization and in vitro studies*, Chem&BioChem postgraduate students meeting, 9th February **2017**, Lisboa, Portugal (poster)
238. H. Helten, A. Lik, *Catalytic Si/B Exchange: A Versatile Route to Conjugated Organoborane Oligomers and Polymers*, Chemiedozententagung 2017, Marburg/Germany, 14th March **2017** (oral)
239. A. Koner, R. Streubel, *Imidazole-2-thione based electron rich 1,4-diphosphinines*, 14th European workshop on Phosphorus Chemistry, Cluj-Napoca, Romania, 20th – 22nd March **2017**.
240. M. Hissler, *Advances in phosphole based molecular materials* - EWPC-14, Cluj-Napoca, Roumanie, 20-22 March 2017
241. I. Begum, R. Streubel, *Synthesis and dimerization of a P-thiazole-2-thion-5-yl-substituted phosphalkene*, 14th European workshop on Phosphorus Chemistry, Cluj-Napoca, Romania, 20th – 22nd March **2017**.
242. P. Junker, R. Streubel, *Study on the Synthesis of P-CPh₃ substituted Spirooxaphosphirane Complexes*, 14th European workshop on Phosphorus Chemistry, Cluj-Napoca, Romania, March 20th – 22nd **2017**.
243. A. Gese, M. Akter, R. Streubel, *Tricyclic Dithiole-2-thione-based 1,4-dihydro-1,4-diphosphinines: A Difunctional Building Block for Polymers?*, 14th European workshop on Phosphorus Chemistry, Cluj-Napoca, Romania, 20th – 22nd March **2017**.
244. İ. C. Acar, T. Eren, *Synthesis and characterization of cyclic phosphorus-based polybutene by using ROMP pathway*, 14th European Workshops on Phosphorus Chemistry, Cluj-Napoca, Romania, 20-22 March, **2017** (poster)
245. M. Kanad, T. Eren, *Synthesis of Phosphorus Containing Flame Retardant & Investigation of Flame Retardant Behaviour on the Textile Applications*, 14th European Workshops on Phosphorus Chemistry, Cluj-Napoca, Romania, 20-22 March, **2017** (oral).
246. A.M. Caminade, N. Katir, N. El Brahmi, J.P. Majoral, *Synthesis of "onion-peel" dendrimers incorporating up to seven different types of phosphorus groups in their structure*, 14th European Workshops on Phosphorus Chemistry, Cluj-Napoca, Romania, 20-22 March, **2017** (poster)
247. H. Helten, O. Ayhan, T. Lorenz, A. Lik, *Silicon/boron exchange routes to organoboron polymers*, Challenges in Inorganic Chemistry (ISACS), Manchester/UK, 10th April **2017** (oral)
248. D. Scheschkewitz, *Functionalisation and stepwise expansion of stable unsaturated silicon clusters (siliconoids)*, DocDays Graz, 19th – 20th April **2017**
249. H. Helten, *π -Conjugated Organoboron Polymers*, Anorganisch-chemisches Kolloquium SS 2017, Freiburg/Germany, 26th April **2017** (invited lecture)
250. H. Helten, *π -Conjugated Organoboron Polymers*, Kolloquium des Instituts für Anorganische Chemie der Universität Bonn (SS 2017), Bonn/Germany, 11th May **2017** (invited lecture)

251. **M. Hissler**, Advances in phosphole based molecular materials, One-day Symposium on Molecules and Materials for Optics, Rennes, France, 11 May 2017
252. **M. Hissler**, Advances in phosphole based molecular materials, GECOM, La Forges des eaux, France, 15-18 May 2017
253. **A.M. Caminade**, *Development of original phosphorous based dendrimers to tackle pulmonary tuberculosis*, CEFIPRA workshop, Reims, France, 16 May 2017
254. **R. Streubel**, *Oxaphosphirane complexes: learning from epoxide chemistry*, 12th International Conference on Heteroatom Chemistry, Vancouver/Canada, 14th June 2017.
255. **M. Hissler**, P-containing Polycyclic Aromatic Hydrocarbons: Experience meets Theory, My Chemistry - My Computer: Enchanted by the C/Si/P Triangle, Budapest, Hungary, 16 June 2017
256. **D. Scheschkewitz**, *Functionalisation and stepwise expansion of stable unsaturated silicon clusters (siliconoids)*, 12th International Conference on Heteroatom Chemistry, Vancouver, Canada, 11th – 17th June 2017
257. **A.M. Caminade**, *Playing a bit with silicon and much with phosphorus for the synthesis of dendrimers. Properties and uses*, PBSi 2017 (International Conference on Phosphorus, Boron and Silicon), Paris, France, 3-5 July 2017 (plenary conference)
258. **A.M. Caminade**, *Phosphorus dendrimers ended by phosphorus derivatives (phosphines, phosphoramidites, phosphoniums, phosphates, phosphorus ylides, phosphonates, etc...) and their properties*, PBSi 2017 (International Conference on Phosphorus, Boron and Silicon), Paris, France, 3-5 July 2017
259. **C. Viñas**, *Merging Boron clusters with P and Si aiming to Nanomaterials for Catalysis, Electronics and Medicine*, International Conference On Phosphorus, Boron and Silicon – PBSi 2017. Paris, Francia, 3-5 July 2017. (Plenary).
260. **R. Pietschnig**, *From monomers via oligomers to polymers with stereochemically constrained phosphorus chains and their group 14 modified analogs*, PBSi, Paris, France, 3-5 July 2017.
261. **A.M. Caminade**, *Les dendrimères phosphorés et leurs applications*, GDR Phosphore, Bobigny (France), 6 July 2017
262. **A.M. Caminade**, *Phosphorus dendrimers for nanobiotechnologies*, Symposium of Dendrimer Chemistry, Kaohsiung, Taiwan, 11-13 July 2017 (invited lecture)
263. **H. Helten**, *Novel Routes to Conjugated Organoboron Polymers*, 16th International Meeting on Boron Chemistry (IMEBORON XVI), Hong Kong, 12th July 2017 (invited lecture)
264. L. Fritze, A. Lik, N. A. Riensch, **H. Helten**, *"Catalytic B–C coupling via Si/B exchange: a versatile route to π -conjugated organoborane polymers"*, Summer School on Catalysis and Organometallic Synthesis, University of Wuerzburg/Germany, 24–28th July 2017 (poster)
265. **C. Viñas**, *m-Carboranylphosphinate as Versatile Building Blocks to Design all Inorganic Coordination Polymers and Biocompatible Nanohybrids*, The International Conference on Boron Chemistry-2017 (ICBC-2017). Xinxiang, China, July 2017. (Invited).
266. **C. Viñas**, *Towards purely inorganic nanomaterials: New opportunities of Boron clusters in Medicine*, IMEBORON XVI. 16th International Meeting on Boron Chemistry. July 2017. Hong Kong, China. (Invited).
267. **C. Viñas**, *Boron clusters as a new class of purely inorganic compounds for multifunctional materials*, SILQCOM6. 6^o Simposio Latinoamericano de Química de Coordinación y Organometálica. Puerto Iguazu, Misiones, Argentina. August 2017. (Invited).
268. **E. Ionescu**, *Formability of perovskite-type metal oxynitrides*, International Symposium on Nitrides (ISNT) 2017, Sapporo, August 2017: (Oral).
269. **A.M. Caminade**, *Phosphorus dendrimers in nanomedicine*, IDS10 (International Dendrimer Symposium), Weihai, China, 5-9 August 2017 (plenary conference)
270. **A. Valente**, T. Moreira, A. R. Brás, A. Preto, M. H. Garcia, *Cancer targeted therapy: the next generation of metallodrugs*, ICBIC18 – International Conference on Biological Inorganic Chemistry - Florianópolis – Brazil, July, 31st – August, 4th – 2017 (poster)
271. **A. Valente**, A. Pilon, A. Sanches, L. Côte-Real, R. Teixeira, M. H. Garcia, *Ruthenium-cyclopentadienyl' moiety: a versatile scaffold for the design of anticancer agents*, SILQCOM 2017, Puerto Iguazú, Misiones, Argentina, August 6-11, 2017 (oral)
272. M. Helena Garcia, L. Côte-Real, A. P. Soto, C. Rodrigues, A. R. Fernandes, **A. Valente**, *Unprecedented polymer-metal vesicles as efficient anticancer agents*. SILQCOM 2017, Puerto Iguazú, Misiones, Argentina, August 6-11, 2017 (Invited lecture).
273. I. Begum, A. Koner, A. Gese, **R. Streubel**, "From 1,3-heterocyclic-2-thiones to 1,4-diphosphinines: novel tricyclic π -systems" KOPO 2017, Bad Honnef, Germany, August 27th - 30th 2017.
274. **H. Helten**, A. Lik, T. Lorenz, O. Ayhan, *Silicon/Boron Exchange Routes to Conjugated Organoboron Oligomers and Polymers*, KOPO 2017, Conjugated Oligomers and Polymers - New Horizons in Functional π -Systems, 9th Workshop, Bad Honnef/Germany, 28th August 2017 (oral)

275. M. Crumbach, T. Lorenz, **H. Helten**, *Conjugated Polymers and Oligomers with BN or BP Units in the Main Chain Prepared by Silicon/Boron Exchange Polycondensation*, RSC Main Group Chemistry Group Annual Meeting and AGM, London/UK, 1st September **2017** (poster)
276. **C. Viñas**, *Towards purely inorganic nanomaterials: new opportunities of boron clusters in medicine*, HALCHEM VIII. September **2017**. Inuyama, Japan. (Designated Speaker).
277. **M. Hissler**, Coordination chemistry and phosphole rings: An efficient tool towards the development of polymers"- 81th PMM: Polymers and Organic Materials for Electronics and Photonics: Science for Applications, Prague, Tchech republic, 10-14 September 2017
278. **H. Helten**, *Silicon/Boron Exchange Routes to Conjugated Organoboron Oligomers and Polymers*, WiFo Satellite Meeting "Thinking the Unthinkable", Berlin/Germany, 15th September **2017** (oral)
279. **D. Scheschkewitz**, "Functionalisation and stepwise expansion of stable unsaturated silicon clusters (siliconoids)", Symposium 50^{me} Anniversaire du Laboratoire de Heterochimie Fondamentale et Appliquee, Toulouse, France, 22nd September **2017**
280. **M. Hissler**, Aggregation-Induced Emission Organophosphorus Compounds for Opto-Electronic Applications" - IWNBP 2017: 4th International Workshop on Nano and Bio-Photonics, Vogüe, France, 24-29 September 2017
281. **A.M. Caminade**, *DNA chips and related sensors based on dendrimers. Towards the rapid and accurate diagnosis of pathogens*, ICONAN 2017, Barcelona, Spain, 25-27 September **2017** (invited lecture)
282. **A.M. Caminade**, *Biocompatible phosphorus dendrimers*, International Conference "Modern trends in dendrimer chemistry and applications", Moscow, Russia, 1-4 October **2017** (plenary conference)
283. J. Faßbender, N. Volk, **R. Streubel**, "Broadening the scope of oxaphosphirane complex chemistry", MHC-9 PhD Workshop, Graz/Austria, 6th - 8th October **2017**.
284. I. Begum, **R. Streubel**, "From 1,3-thiazole-2-thiones to 1,4-diphosphinines and 1,4-diphosphabarrelenes", MHC-9 PhD Workshop, Graz/Austria, 6th - 8th October **2017**.
285. A. Gese, **R. Streubel**, "Novel tricyclic 1,4-dihydro-1,4-diphosphinines", MHC-9 PhD Workshop, Graz/Austria, 6th - 8th October **2017**.
286. G. Tuci, L. Luconi, P. Müller, G. Giambastiani, S. Kaskel, **A. Rossin**, *Thiazole-based Coordination Polymers and MOFs: Synthesis, Characterization and Applications in Luminescence and Gas Adsorption*. EuroMOF **2017** – Delft (NL) 29 October - 1 November **2017** (Poster)
287. **A. Staubitz**, *Switchable Materials and Polymers: New Materials that are looking for new applications*, TESConference, Universität Bremen, Bremen, November **2017** (oral)
288. **M. Hissler**, Organophosphorus Polycyclic Aromatic Hydrocarbons: Synthesis, Electronic properties and WOLED, 1st Korea – Québec – France workshop on Nanomaterials and Advanced functional materials, Korea, 13-17 novembre 2017
289. **H. Helten**, *Silicon/Boron Exchange Routes to Conjugated Organoboron Oligomers and Polymers*, Gemeinsames Kolloquium Institut für Anorganische Chemie der Universität und Max-Planck-Institut für Festkörperforschung, Stuttgart/Germany, 5th December **2017** (invited lecture)
290. **H. Helten**, *Silicon/Boron Exchange Routes to Conjugated Organoboron Oligomers and Polymers*, Kolloquium Organische, Metallorganische und Makromolekulare Chemie, Ulm/Germany, 8th December **2017** (invited lecture)
291. **H. Helten**, *Silicon/Boron Exchange Routes to Conjugated Organoboron Oligomers and Polymers*, Chemisches Kolloquium, Frankfurt/Germany, 20th December **2017** (invited lecture)
292. **E. Ionescu**, *Pre-ceramic Polymer Routes to Advanced Ceramics* International Conference on Advanced Ceramics and Composites (ICACC) 2018, Daytona Beach, January **2018**, (Oral; Invited).
293. **E. Ionescu**, *One-pot synthesis of a C/SiFeN(O)-based ceramic paper with in-situ generated hierarchical micro/nanomorphology*, ICACC 2018, Daytona Beach, January **2018**, (Oral; Invited).
294. **E. Ionescu**, *Synthesis of nanocrystalline Gd₂O₂NCN from a versatile single-source precursor*, ICACC 2018, Daytona Beach, January **2018**, (Oral; Invited).
- 295. A.M. Caminade**, *WG2: Synthetic approaches to polymers with defined and optimised properties*, COST meeting Smart Inorganic Polymers (SIPs), Zagreb, Croatia, 28 February **2018**
296. **M. Hissler**, Coordination chemistry and phosphole rings: An efficient tool towards the development of polymers"- 3rd European Conference on Smart Inorganic Polymers, Zagreb, Croatia, March 2018.
297. **A.M. Caminade**, *Versatile complexation ability of thiazolylphosphine ligands. Towards greener catalysts, from monomers to dendrimers*, 4th European Conference on Smart Inorganic Polymers, Zagreb, Croatia, 1-3 March **2018**
298. **A. Staubitz**, *Tuning the Optoelectronic Properties of Stannoles*, 4th European Conference on Smart Inorganic Polymers, Zagreb, Croatia, 1-3 March **2018**.
299. A. Ivanoska-Dacicij, G. Bogoeva-Gaceva, **S. Valić**, *The Use of Electron Spin Resonance in Studying the Synergy Be-tween Organic and Inorganic Component in Hybrid Elastomer Based Composites*, Nanomat 2018, 17th Edition of International Conference on Emerging Trends in Materials Science and Nanotechnology, Rome, Italy, **2018** (oral)