

Curriculum Vitae

Jun.-Prof. Dr. Huayna Terraschke, Geb. Cerqueira Streit

Dipl.-Ing.

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Scientific career and education

- Since 2019 Tenure track professor (Juniorprofessor W1 tt W2) for Photoactive Inorganic Nanomaterials, Institute of Inorganic Chemistry, University of Kiel.
- 2014 – 2019 Leader of the project “*In-situ* Luminescence Analysis of Coordination Sensors (ILACS)”, Institute of Inorganic Chemistry, University of Kiel.
- 2011 – 2015 Dr. rer. nat., *summa cum laude*;
Inorganic Chemistry, University of Siegen. Advisor: Prof. Dr. Claudia Wickleder. Title of the Dissertation: “Less Material, More Energy: Synthesis of Novel Nanostructured Luminescent Materials”.
- 2010 Dipl.-Ing.; 1.0;
Institute of functional surfaces (IFG), Karlsruhe Institute of Technology (KIT). Advisors: Prof. Dr. Matthias Franzreb, Prof. Dr. Christof Wöll. Title der Diploma thesis: “Synthesis of Metal-Organic Framework (MOF)-coats as variable molecular sieves for bioanalytical assays”.
- 2006 – 2010 Chemical Engineering (Diploma), Karlsruhe Institute of Technology, Germany.
- 2003 – 2005 Chemical Engineering (Bachelor, 5 semesters), Federal University of Santa Catarina, Brazil.

Additional research projects

- 2009 – 2010 Institute of Physical Chemistry, University of Siegen, Germany. Project: „Microfluidic pH-sensing in PDMS-chips“.
- 2008 – 2010 Institute of Inorganic Chemistry, University of Siegen, Germany. Industry project (confidential research topic).
- 2006 – 2008 Institute of Technical Chemistry, Forschungszentrum Karlsruhe, Germany. Project: „Isolation and Purification of Natural Spherical Nanoparticles“.
- 2005 – 2006 Institute of Engineering in Life Sciences - Food Process Engineering (LVT), University of Karlsruhe, Germany. Project: „Production of Parenteral Fat Emulsion using Premix Membrane Emulsification“.

- 2005 – 2006 Institute of Engineering in Life Sciences - Food Process Engineering (LVT), University of Karlsruhe, Germany. Project: „Heat Inactivation of Microorganisms in Emulsions“.
- 2004 – 2005 Ectomycorrhizal Laboratory – Microbiology and Parasitology Department, Federal University of Santa Catarina, Brazil. Project: “Application of Ectomycorrhizal Fungi Inoculants Produced by Fermentative Process in *Pinus sp.* and *Eucalyptus sp.* Plantation“.
- 2003 – 2004 Department of Food and Chemical Engineering, Federal University of Santa Catarina, Brazil. Project: “Production of Fungal Chitosan in Fermentative Processes Using Apple Bagasse”.

Teaching activities

- 2018 – 2019 Substitute lecturer for “Moderne Konzepte der Anorganischen Chemie” (Master of Science, University of Kiel).
- 2015 – 2018 Substitute lecturer for „Anorganische Reaktionsmechanismen“ (Master of Science, University of Kiel).
- 2015 – 2018 Substitute lecturer for „Vom Molekül zum Material: Molekulare Hauptgruppen- und Organometallchemie“ (Master of Science, University of Kiel).
- 2015 – 2018 Substitute lecturer for “Anorganische Chemie II: Struktur und Reaktivität anorganischer Verbindungen” (Bachelor of Science, University of Kiel).
- 2015 – 2016 Substitute lecturer for “Chemie der Metalle” (Bachelor of Science, University of Kiel).
- 2015 – 2016 Substitute lecturer for “Allgemeine Chemie I: Grundlagen der Anorganischen Chemie” (Bachelor of Science, University of Kiel).
- 2015 – 2016 Exercise classes for “Allgemeine Chemie I: Grundlagen der Anorganischen Chemie I” for Biologists (Bachelor of Science, University of Kiel).
- 2016 Seminar for “Anorganisch-Chemisches Grundpraktikum für Zweifach-Studierende, Biochemiker und Wirtschaftschemiker“ (Bachelor of Science, University of Kiel)
- 2015 Supervision of "Anorganisch-Chemisches Grundpraktikum 2: Anorganische Präparate" (Bachelor of Science, University of Kiel).
- 2011 – 2014 Supervision of laboratory courses (Master of Science, University of Siegen).
- 2013 – 2014 Substitute lecturer for „Allgemeine Chemie für Maschinenbauer“ (Bachelor of Science, University of Siegen).
- 2012 – 2013 Exercise classes for “Coordination Chemistry” (Master of Science, University of Siegen).
- 2011 – 2014 Supervision of „Anorganische Chemie I Grundpraktikum” (Bachelor of Science, University of Siegen).
- 2011 – 2012 Supervision of „Anorganische Chemie II Grundpraktikum” (Bachelor of Science, University of Siegen).
- 2011 – 2012 Exercise classes for „Anorganische Chemie I” (Bachelor of Science, University of Siegen).
- 2011 – 2012 Exercise classes for „Anorganische Chemie II” (Bachelor of Science, University of Siegen).

Scientific Awards

- 2019 Material costs grant of the Fonds der Chemischen Industrie for the project “**Luminescence-based real-time crystal size estimation (LuCS)**”.
- 2016 DFG grant as principal investigator for establishing a new research area at the University of Kiel. Title: “*In-situ* Luminescence analysis of coordination sensors (ILACS): looking inside chemical reactions”.
- 2016 Postdoctoral award of the Daimler and Benz Foundation.
- 2015 Doctoral dissertation award of the University of Siegen for the thesis “Less Material, More Energy: Synthesis of Novel Nanostructured Luminescent Materials” as recognition of outstanding scientific performance.
- 2015 Travel stipend of German Electron Synchrotron (DESY) to the Summer School “Application of Neutrons and Synchrotron Radiation in Engineering Materials Science” (Germany).
- 2015 Travel stipend of Röntgen-Angström-Cluster (RAC) to the Summer School on “Time-resolved and *In-situ* Studies of Materials: Basics and Applications” (Germany).
- 2015 Selected young scientist for the work “*In-situ* luminescence analysis of coordination sensors: Looking inside chemical reactions”. 7th meeting "From the witches cauldrons in materials science" (Germany).
- 2013 Poster award for the work „New SrCO₃:Eu²⁺ Green Nanophosphor: Innovative Synthesis, Functionalization and Spectroscopic Analysis“. International Symposium for Phosphor Materials and Crystal Growth (South Korea).
- 2005 Stipend of Process Engineering and Technology Network of Competence - Pro3 as guest scientist. Karlsruhe Institute of Technology (Germany).
- 2004 Stipend of National Council for Scientific and Technological Development (CNPq). Federal University of Santa Catarina (Brazil).
- 2004 Best presentation in Chemical Engineering for the work: “Viabilidade de inoculante ectomicorrízico em presença de plantas de *Eucalyptus dunnii*”. Chemical and Food Engineering Academic Week. Federal University of Santa Catarina (Brazil).
- 2003 Best presentation in Food Engineering for the work: “Aproveitamento de subproduto da indústria de alimentos para obtenção de um produto de maior valor agregado”. Chemical and Food Engineering Academic Week. Federal University of Santa Catarina (Brazil).

Reviewing activity

- Dalton Transactions (Royal Society of Chemistry)
- Journal of Materials Chemistry C (Royal Society of Chemistry)
- Zeitschrift für anorganische und allgemeine Chemie (Wiley)
- Angewandte Chemie (Wiley)
- Journal of Synchrotron Radiation (Wiley)
- Separation and Purification Technology (Elsevier)
- Solid State Sciences (Elsevier)
- Optical Materials Express (OSA Publishing)

- Applied Sciences (MDPI)
- Journal of Materials Science: Materials in Electronics (Springer)

Patent

- 2013 H. Cerqueira Streit, M. Franzreb, C. Wickleder. „Magnetic-afterglow nanoparticles, preparation process and application for detection of biomolecules“. Anmeldeungsdatum: 12/23/2013, Anmeldeungsnummer: 102013022052.1.

Organization of events

- 2015 Head organizer of the “2nd joint workshop of MATsynCELL and C3”, German Electron Synchrotron (DESY), Hamburg, Germany.
- 2018 Head organizer of the Germany-Brazil bilateral Workshop “New light on mechanisms of chemical reactions”. Christian-Albrechts-Universität zu Kiel.

Language skills

German	Very good
English	Very good
Portuguese	Mother tongue

Publications

<https://www.ac.uni-kiel.de/de/terraschke/publications-1>

Posters and Presentations

- [74] H. Terraschke. Ions as spies: What does really happen during the formation of solid materials? Colloquium of the Society of German Chemists (Gesellschaft Deutscher Chemiker, GDCh), Kiel, Germany, June 27th 2019, inaugural lecture.
- [73] H. Terraschke. Towards rational development of functional materials: *in situ* monitoring and controlling crystallization and precipitation processes. BASF, Ludwigshafen, Germany, June 4th 2019, invited speaker.
- [72] H. Terraschke. Understating the formation of functional materials: simultaneous *in situ* luminescence and synchrotron-based X-ray diffraction analysis. Spring Meeting of the European Materials Research Society (E-MRS), Nice, France, May 27th 2019, presentation.
- [71] H. Terraschke. Towards new insights into the formation of materials: simultaneous *in situ* luminescence, synchrotron-based X-ray diffraction analysis and beyond. Adlershofer Kolloquium Analytik - Bundesanstalt für Materialforschung (BAM), Berlin, Germany, May 14th 2019, invited speaker.
- [70] H. Terraschke. *What happens in solution during wet chemical synthesis of solid materials?* Condensed Matter Physics and Chemistry (CMPC) Workshop on

- "Nanoscale Materials - Structure and Properties", Deutsches Elektronen-Synchrotron DESY, Hamburg, Germany, February 21st-22nd, 2019, invited speaker.
- [69] H. Terraschke. *Gaining insights into crystallization processes by combining real-time diffraction and luminescence studies*. P02.1 Satellite Meeting, Deutsches Elektronen-Synchrotron DESY, Hamburg, Germany, January 22nd, 2019, invited speaker.
- [68] H. Terraschke. *From pH sensors to semiconductor nanoparticles: New applications of in-situ luminescence measurements*. 2nd Germany-Brazil bilateral Workshop "New light on mechanisms of chemical reactions", Sao Paulo, Brazil, December 4th-8th 2018, presentation.
- [67] H. Terraschke. *What does really happen during chemical reactions? An in situ luminescence spectroscopic approach*. Max-Planck-Institut für Festkörperforschung, Work group of Prof. Dr. Robert Dinnebier, Stuttgart, Germany, October 18th, 2018, invited speaker.
- [66] H. Terraschke. *Colorful phase transitions: monitoring mechanisms of chemical reactions by in situ luminescence analysis*. 19. Vortragstagung für Anorganische Chemie der Fachgruppen Wöhler-Vereinigung und Festkörperchemie und Materialforschung. Regensburg, Germany, September 24th-27th, 2018, presentation.
- [65] H. Terraschke. *In situ monitoring the formation of luminescent complexes: a new spectroscopic approach*. The Eighth German-Russian Week of the Young Researcher. Kazan, Russia, September 10th-14th, 2018, invited speaker.
- [64] H. Terraschke. *Application of in situ luminescence analysis for studying mechanisms of chemical reactions*. 1st Germany-Brazil bilateral Workshop "New light on mechanisms of chemical reactions", Kiel, Germany, July 31st - August 2nd 2018, presentation.
- [63] H. Terraschke. *From ligand exchange to reaction intermediates: What does really happen during the synthesis of emissive complexes?* 19th International Symposium on the Reactivity of Solids, Bayreuth, Germany, July 15th-18th, 2018, presentation.
- [62] H. Terraschke. *Light and matter: combined in-situ luminescence analysis and X-ray diffraction for monitoring crystallization*. PETRA III Beamline P02.1 Evaluation Meeting, Deutsches Elektronen-Synchrotron DESY, Hamburg, Germany, April 10th-11th, 2018, invited speaker.
- [61] H. Terraschke. *Neues Licht auf Mechanismen chemischer Reaktionen*. Hemdsärmelkolloquium (HÄKO), Leipzig, Germany, March 8th-10th 2018, presentation.
- [60] H. Terraschke, J. Ströh, D. V. Novikov, R. Grifone. *In-situ Luminescence Analysis: a New Light on Mechanisms of Chemical Reactions*. DESY Photon Science Users' Meeting, Hamburg, Deutschland, January 25th-26th 2018, invited speaker.
- [59] J. Ströh, L. Ruiz Arana, P. Lindenberg, N. Heidenreich, P. Polzin, C. dos Santos Cunha, S. Leubner, C. Näther, H. Terraschke. *[Ce(2,2'-bipyridine)₂(NO₃)₃] Luminescent Complex: Crystal Structure and Control Over the Crystallization Process*. DESY Photon Science Users' Meeting, Hamburg, Deutschland, January 25th-26th 2018, poster.
- [58] L. Ruiz Arana, P. Lindenberg, H. Said, M. Radke, N. Heidenreich, C. dos Santos Cunha, S. Leubner, H. Terraschke. *Monitoring the Mechanism of Formation of [Ce(1,10-phenanthroline)₂(NO₃)₃] by In-situ Luminescence Analysis of 5d-4f Electronic Transitions*. DESY Photon Science Users' Meeting, Hamburg, Deutschland, January 25th-26th 2018, poster.
- [57] P. Lindenberg, N. Ruser, N. Heidenreich, S. Leubner, A.-M. Tsigoni, H. Terraschke. *Application of Combined In-situ Luminescence and X-Ray Diffraction Analyses for Monitoring Energy Transfer During Crystallization of Emissive Complexes*. DESY

- Photon Science Users' Meeting, Hamburg, Deutschland, January 25th-26th 2018, poster.
- [56] J. Ströh, L. Ruiz Arana, M. R. Kada Belfar, N. Ruser, N. Heidenreich, D. Lenzen, H. Terraschke. *Monitoring the Formation of New $[M(\text{phen})_2(\text{NO}_3)_3]\cdot\text{bipy}$ ($M = \text{Sm}, \text{Eu}$) Complexes by In-situ Luminescence and X-Ray Diffraction Analysis*. DESY Photon Science Users' Meeting, Hamburg, Deutschland, January 25th-26th 2018, poster.
- [55] H. Said, R. Oueslati-Omrani, S. Boussen, H. Terraschke, A. H. Hamzaoui, A. Mnif. *Structural Investigations of Magnesium Phosphate Glasses Doped With Natural Silica*. 4th Days of Valorization of Silica and Silica Sands 2017, Hammamet, Tunisia, November 24th-26th 2017, poster.
- [54] L. Ruiz Arana, J. Ströh, P. Lindenberg, H. Said, M. Radke, N. Heidenreich, C. dos Santos Cunha, S. Leubner, H. Terraschke. *Monitoring 5d-4f Electronic Transitions During Synthesis of $[\text{Ce}(\text{L})_2(\text{NO}_3)_3]$ ($\text{L} = 2,2\text{-bipyridine}, 1,10\text{-phenanthroline}$)*. 20. Norddeutsches Doktorandenkolloquium 2017, Kiel, Germany, September 21st-22nd 2017, poster.
- [53] P. Rönfeldt, H. Terraschke, M. Albat, N. Stock. *Luminescence Tuning of a New Sc(III)-based Coordination Polymer*. 29. Deutsche Zeolith-Tagung, Frankfurt, Germany, March 1st-3rd 2017, poster.
- [52] P. Polzin, M. Radke, C. Näther, W. Bensch, K. Beyerlein, H. Terraschke. *$[\text{Tb}(2,2'\text{-Bipyridine})_2(\text{NO}_3)_3]$: In-situ Monitoring of Crystallization and Structure Determination by Serial Crystallography and Single Crystal X-Ray Diffraction*. MATRAC 2 - Winter School 2017, Garching, Germany, February 27th - March 3rd 2017, poster.
- [51] H. Terraschke, N. Pienack, L. Ruiz Arana, W. Bensch. *Phase Transitions on $\text{Al}(\text{acac})_3$: Looking Inside Chemical Reactions with "Small And Large" Light Sources*. DESY Photon Science Users' Meeting, Hamburg, Germany, January 26th-27th 2017, invited speaker.
- [50] P. Polzin, I. V. Eliani, M. Radke, H. Terraschke. *Looking Inside Chemical Reactions: $[\text{Ln}(\text{bipy})_2(\text{NO}_3)_3]$ ($\text{Ln} = \text{Eu}, \text{Tb}$) Model System for the New ILACS Method*. Studierendentagung zu den Life Sciences in Kiel 2016, Kiel, Germany, November 30th 2016, poster.
- [49] H. Terraschke. *In-situ Luminescence Analysis of Coordination Sensors: Looking Inside Chemical Reactions*. PETRA III Science Seminar, DESY, Hamburg, Germany, November 29th 2016, invited speaker.
- [48] A.-M. Tsirigoni, L. Ruiz Arana, P. Lindenberg, H. Terraschke. *In-situ Monitoring of Calcium Phosphate Phase Transitions: a Spectroscopic Approach*. *Zeitschrift für anorganische und allgemeine Chemie* **642**, 1073 (2016). 18. Vortragstagung Fachgruppe Festkörperchemie und Materialforschung, Innsbruck, Austria, September 19th-21st 2016, poster.
- [47] P. Polzin, I. V. Eliani, H. Terraschke. *Characterizing the Crystallization Kinetics of $\text{Ln}(2,2'\text{-Bipyridine})_2(\text{NO}_3)_3$ ($\text{Ln} = \text{Eu}, \text{Tb}$) by New In-situ Luminescence Analysis Technique*. *Zeitschrift für anorganische und allgemeine Chemie* **642**, 1073 (2016). 18. Vortragstagung Fachgruppe Festkörperchemie und Materialforschung, Innsbruck, Austria, September 19th-21st 2016, poster.
- [46] P. Lindenberg, L. Ruiz Arana, N. Heidenreich, H. Terraschke. *Polymorphism and in-situ Detection of Reaction Intermediates on $\text{Eu}(1,10\text{-Phenanthroline})_2(\text{NO}_3)_3$* . *Zeitschrift für anorganische und allgemeine Chemie* **642**, 1074 (2016). 18. Vortragstagung Fachgruppe Festkörperchemie und Materialforschung, Innsbruck, Austria, September 19th-21st 2016, poster.
- [45] N. Pienack, H. Terraschke, W. Bensch. *In-situ Crystallization Cell: Developments and First Results of the Model System $\text{Al}(\text{acac})_3$* . *Zeitschrift für anorganische und*

- allgemeine Chemie* **642**, 1040 (2016). 18. Vortragstagung Fachgruppe Festkörperchemie und Materialforschung, Innsbruck, Austria, September 19th-21st 2016, poster.
- [44] H. Terraschke. *In-Situ Luminescence Analysis of Coordination Sensors: Looking Inside Chemical Reactions*. Max-Planck-Institute for Chemical Physics of Solids, Work group of Prof. Dr. Claudia Felser, Dresden, Germany, October 25th 2016, invited speaker.
- [43] H. Terraschke, P. Polzin, I. V. Eliani. *In-situ Monitoring the Crystallization of Ln(2,2'-Bipyridine)₂(NO₃)₃, (Ln = Eu, Tb): a Spectroscopic Approach*. MatSynCell and C3 Workshop, Uppsala, Sweden, October 6th-7th 2016, presentation.
- [42] H. Terraschke, P. Lindenberg, L. Ruiz Arana. *Application of In-situ Luminescence Analysis for Detecting Polymorphism, Reaction Intermediates and Induction Time During Synthesis of Emissive Complexes*. MatSynCell and C3 Workshop, Uppsala, Sweden, October 6th-7th 2016, presentation.
- [41] M. Braun, H. Terraschke, W. Bensch. *Solvothermal Formation of [Mo₃S₁₃]²⁻ Clusters: In-situ Detection and Ex-situ Yield Optimization*. MatSynCell and C3 Workshop, Uppsala, Sweden, October 6th-7th 2016, poster.
- [40] H. Terraschke. *ILACS: Present and Future*. MATsynCELL Spring Meeting, Kiel, Germany, April 26th-27th 2016, presentation.
- [39] L. Ruiz Arana, P. Lindenberg, W. Bensch, H. Terraschke. *New In-situ Luminescence-Based Technique for Monitoring the Formation of Solid Materials*. 18. JungChemikerForum-Frühjahrssymposium 2016, Kiel, Germany, March 16th 2016, poster.
- [38] H. Terraschke, P. Lindenberg, L. Ruiz Arana, P. Polzin, W. Bensch. *Monitoring Metal-Ligand Exchange Processes During the Formation of Eu(phen)₂(NO₃)₃ by In-situ Luminescence Analysis of Coordination Sensors (ILACS)*. 12. Koordinationschemie-Treffen, Kiel, Germany, February 28th – March 1st 2016, poster.
- [37] H. Terraschke, P. Lindenberg, L. Ruiz Arana, P. Polzin, W. Bensch. *Development of a New In-situ Analysis Technique Applying Luminescence of Local Coordination Sensors: Principle and Application for Monitoring Metal-Ligand Exchange Processes*. DESY Photon Science Users' Meeting 2016, Hamburg, Germany, January 28th-29th 2016, poster.
- [36] H. Terraschke. *In-situ Luminescence Analysis of Coordination Sensors - Looking Inside Chemical Reactions*. Daimler und Benz Stiftung, Ladenburg, Deutschland, January 21st 2016, invited speaker.
- [35] H. Terraschke, P. Lindenberg, L. Ruiz Arana, W. Bensch. *Application of In-situ Luminescence Analysis for Monitoring Phase Transitions on Calcium Phosphates*. 2nd joint workshop of MATsynCELL and C3, DESY, Hamburg, Germany, November 16th-17th 2015, poster.
- [34] H. Terraschke. *Development of a New In-situ Luminescence Technique for Monitoring the Formation of Solid Materials*. 2nd joint workshop of MATsynCELL and C3, DESY, Hamburg, Germany, November 16th-17th 2015, presentation.
- [33] H. Terraschke, L. Ruiz Arana, P. Lindenberg, W. Bensch. *Application of New In-situ Luminescence Analysis Technique for Monitoring the Formation of Solid Materials*. Zukunftskongress - Forschung und Bildung für das 21. Jh., Kiel, Germany, November 7th-8th 2015, Poster.
- [32] H. Terraschke, P. Lindenberg, L. Ruiz Arana, W. Bensch. *Novel In-situ Luminescence Analysis of Coordination Sensors: Principle and Applications on Monitoring Metal-Ligand Exchange Processes*. Summer School on Application of Neutrons and Synchrotron Radiation in Engineering Materials Science, Hamburg, Germany, September 21st-25th 2015, presentation.

- [31] H. Terraschke, P. Lindenberg, L. Ruiz Arana, W. Bensch. *In-situ Luminescence Analysis of Coordination Sensors: Monitoring Phase Transitions on Calcium Phosphates*. Summer School on Time-resolved and *In-situ* Studies of Materials: Basics and Applications, Sellin auf Rügen, Germany, August 22nd-29th 2015, Poster.
- [30] H. Terraschke. *In-situ luminescence analysis of coordination sensors: Looking inside chemical reactions*. Institut für Anorganische Chemie, Work group of Prof. Dr. Müller-Buschbaum, Universität Würzburg, Germany, May 13th 2015, invited speaker.
- [29] H. Terraschke. *In-situ Luminescence Analysis of Coordination Sensors: Looking Inside Chemical Reactions*. 7. Treffen "Aus den Hexenküchen der Materialwissenschaften", Goslar, Germany, April 29th-30th 2015, presentation.
- [28] H. Terraschke. *In-situ Luminescence Analysis of Coordination Sensors: Looking Inside Chemical Reactions*. Hemdsärmelkolloquium (HÄKO), Munich, Germany, February 26th-28th 2015, presentation.
- [27] H. Terraschke, J. Gellert, M. Suta, C. Wickleder. *Red, Green, and Blue Photoluminescence of Ba₂SiO₄:M (M = Eu³⁺, Eu²⁺, Sr²⁺) Nanophosphors*. International Symposium for Phosphor Materials and Crystal Growth, Kunming, China, November 8th-10th 2014, poster.
- [26] H. Terraschke, N. Pienack, W. Bensch. *In-situ Luminescence Measurements: Understanding The Incorporation of Doping Ions Within Crystalline Functional Materials*. 1st Annual Joint Workshop of MATsynCELL and C3, Stockholm, Sweden, October 23rd-24th 2014, presentation.
- [25] H. C. Streit. *Less material, more energy: Synthesis of novel nanostructured luminescent materials*. Institut für Anorganische Chemie, Prof. Dr. Wolfgang Bensch, Christian-Albrechts-Universität zu Kiel, Germany, Dezember 15th 2013, invited speaker.
- [24] H. C. Streit, Y. Voss, D. Wesner, H. Schönherr, C. Wickleder. *Nanoparticles for Industry and for Life: Optimized Synthesis and Enhanced Biocompatibility*. International Symposium for Phosphor Materials and Crystal Growth, Jeju, South Korea, October 20th-22nd 2013, poster.
- [23] H. C. Streit, M. Suta, S. Krüger, C. Wickleder. *New SrCO₃:Eu²⁺ Green Nanophosphor: Innovative Synthesis, Functionalization and Spectroscopic Analysis*. International Symposium for Phosphor Materials and Crystal Growth, Jeju, Jeju, South Korea, October 20th-22nd 2013, poster.
- [22] H. C. Streit, C. Wickleder. *Less Material, More Energy: Synthesis of Novel Nanostructured Luminescent Materials*. Vortragsreihe im Rahmen des Winterfeldt-Preises, Hannover, Germany, July 11th 2013, invited speaker.
- [21] H. C. Streit, M. Suta, S. Krüger, C. Wickleder. *New SrCO₃:Eu²⁺ Green Nanophosphor: Innovative Synthesis, Functionalization and Spectroscopic Analysis*. XIVth International Krutyn Summer School "Optical Lanthanide Materials: New Horizons by Tailored Designs", Krutyn, Poland, June 11th-17th 2013, Poster.
- [20] H. C. Streit, G. Ersengün, C. Wickleder. *Synthesis and Characterization of New SrZnO₂:Eu Nanophosphor*. 2nd International Conference on Materials for Energy (EnMat II), Karlsruhe, Germany, May 12th-16th 2013, poster.
- [19] J. Kramer, H. C. Streit, M. Suta, C. Wickleder. *Red-Green-Blue Photoluminescence of Ba₂SiO₄:M (M = Eu³⁺, Eu²⁺, Sr²⁺) Nanophosphors*. 2nd International Conference on Materials for Energy (EnMat II), Karlsruhe, Germany, May 12th-16th 2013, poster.
- [18] H. C. Streit, C. Wickleder. *Less Material, More Energy: Synthesis of Novel Nanostructured Luminescent Materials*. University of Brasilia, Brazil, March 4th 2013, invited speaker.

- [17] J. Kramer, H. C. Streit, M. Adlung, C. Wickleder. *Eu²⁺-doped Orthosilicate Nanoparticles and Bulk Materials for LED Applications*. XIth International Krutyn Summer School "Cutting-Edge Luminescent Materials: Shifting the Frontiers", Krutyn, Poland, September 23rd-29th 2012, poster.
- [16] H. C. Streit, K. Großmann, U. Betke, C. Wickleder. *Tuning the Emission of Highly Efficient MOF-Based Phosphors*. 3rd International Conference on Metal-Organic Frameworks and Open Framework Compounds, Edinburgh, Great Britain, September 16th-19th 2012, presentation.
- [15] J. Kramer, H. C. Streit, C. Wickleder. *Synthesis and Spectroscopic Analysis of Ba₂SiO₄(:M, M = Sr²⁺, Eu²⁺, Eu³⁺) Nano and Bulk Phosphors*. Wickleder-Rück Arbeitsgruppenseminar, Dresden, Germany, September 9th-10th 2012, presentation.
- [14] W. W. Lestari, P. Lönnecke, H. C. Streit, C. Wickleder, E. H.-Hawkins. *Luminescence Properties of Novel Metal-Organic Frameworks (MOFs) based on Lead(II) and a Functionalized Biphenyl Linker*. 4th EuCheMS Chemistry Congress, Prague, Czech Republic, August 26th-30th 2012, poster.
- [13] H. C. Streit, C. Wickleder. *Synthesis of Novel Nanostructured Luminescent Materials*. 4th Treffen "Aus den Hexenküchen der Materialwissenschaften", Goslar, Germany, April 30th 2012, presentation.
- [12] H. C. Streit, C. Wickleder. *Luminescence of Nanostructured Materials: MOFs and Nanoparticles*. Pöttgen/Wickleder/Müller-Buschbaum Arbeitsgruppenseminar, Wettringen, Germany, September 14th-16th 2011, presentation.
- [11] H. C. Streit. *Synthesis of Metal-Organic Frameworks (MOF)-Coats as Variable Molecular Sieves for Bioanalytical Assays*. Institut für Funktionelle Grenzflächen, Karlsruher Institut für Technology. Diploma thesis, 2010, presentation.
- [10] H. C. Streit, P.G. Weidler, R. Köster, H. Gliemann. *Allophane as Basis for Nanostructured Surfaces – Purification and Physico-Chemical Characterisation of Natural Nanoparticles*, III Russian-German Workshop "Karlstom 2008", Tomsk, Russia, October 25th-28th 2008, poster.
- [09] H. C. Streit. *Allophane: Isolation and Purification of Natural Spherical Nanoparticles*. Institute for Technical Chemistry, Forschungszentrum Karlsruhe. Studienarbeit, 2007, presentation.
- [08] H. C. Streit, P. G. Weidler, H. Gliemann. *Allophane: Isolation and Purification of Natural Spherical Nanoparticles*, FRONTIERS Annual Meeting, Louven, Belgium, October 23th-25th 2007, Poster.
- [07] M. J. Rossi, H. C. Streit, V. L. Oliveira, A. Furigo. *Efeito da Presença de Plantas Hospedeiras na Viabilidade de Inoculantes de Fungos Ectomicorrízicos*, Teaching, Research and Extension Week (5th SEPEX). Florianópolis, Brazil, September 14th-17th 2005, poster.
- [06] M. J. Rossi, H. C. Streit, V. L. Oliveira, A. Furigo. *Solubilidade do Oxigênio em Meio para cultivo de Fungo Ectomicorrízico em Biorreator Airlift com Circulação Externa*, Teaching, Research and Extension Week (5th SEPEX). Florianópolis, Brazil, September 14th-17th 2005, poster.
- [05] H. C. Streit, M. J. Rossi, A. Furigo. *Cinética de Crescimento do Fungo Ectomicorrízico Scleroderma sp. em Cultivo Estático em Meio Líquido*. VI Brazilian Congress of Chemical Engineering (COBEQ-IC), Campinas, Brazil, July 24th-27th 2005, poster.
- [04] M. J. Rossi, H. C. Streit, V. L. Oliveira, A. Furigo. *Construção e Caracterização Hidrodinâmica de um Biorreator Airlift com Circulação Externa*. XV National Symposium of Bioprocess (SINAFERM), Recife, Brazil, August 2nd-5th 2005, poster.

- [03] M. J. Rossi, H. C. Streit, V. L. Oliveira, A. Furigo. *Transferência e Consumo de Oxigênio Durante o Cultivo de Fungo Ectomicorrízico em Biorreator Airlift com Circulação Externa: Determinação Do kLa e QO_2* . XV National Symposium of Bioprocess (SINAFERM), Recife, Brazil, August 2nd-5th 2005, poster.
- [02] M. J. Rossi, H. C. Streit, A. Furigo, A. A. Brum, M. M. Mendonça. *Inoculante de *Agaricus brasiliensis* Produzido em Biorreator Airlift e Encapsulado em Gel de Alginato de Cálcio*, X Brazilian Meeting on Mycorrhizal fungus (FERTBIO), Lages, Brazil, July 19th-23rd 2004, poster.
- [01] F. Streit, H. C. Streit, F. Koch, M. Laranjeira, J. L. Ninow. *Seleção de um Microorganismo para Produção de Quitosana Fúngica em Fermentação no Estado Sólido*. V Latin American Symposium on Food Science (SLACA), Campinas, Brazil, November 3rd-6th 2003, poster.

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