

## Bunsen-Tagung 2026 ( Poster )

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- P01\_01 Characterizing Ultrafast Processes in Colloidal Transition Metal Diselenides by Transient Absorption and Potential Modulated Absorption Spectroscopy  
O. Strolka, Tübingen/DE, D. A. Rudolph, Hannover/DE, J. Lauth, Tübingen/DE, M. Fröhlich, Tübingen/DE, S. Westendorf, Tübingen/DE
- P01\_02 Hybrid Au/MOx Nanostructures for Photoactivated Gas Sensing  
G. Carelli, Dresden/DE, A. Fery, Dresden/DE, H. Schlicke, Dresden/DE
- P01\_03 Chromatographic Gas Sensor Stacks: Spatiotemporal VOC Detection for Improved Selectivity  
L. Mielke, Dresden/DE, A. Fery, Dresden/DE, H. Schlicke, Dresden/DE
- P01\_04 Electrochemical Multi-Material Additive Manufacturing with Sub-Microscale Resolution  
S. Sprengel, Oldenburg/DE, A. Zotov, Zurich/CH, A. R. Oliveras, Zurich/CH, D. Momotenko, Oldenburg/DE, D. Torres, Brussels/BE, J. Hengsteler, Zurich/CH, J. Ustarroz, Brussels/BE, M. Z. Zadeh, Oldenburg/DE, P. Zeng, Zurich/CH, T. Zambelli, Zurich/CH, V. Solovyeva, Oldenburg/DE, W. Wu, Oldenburg/DE, X. Zhu, Brussels/BE
- P01\_05 Exploring hydration effects in photoacid-doped soft materials  
A. Zieleniewska, Straubing/DE
- P01\_06 Ultrafast Spectroscopic Insights into PCET Driven Excited States of Dinuclear Iridium Complexes  
N. Maity, Kiel/DE, F. Temps, Kiel/DE, M. Shee, Kharagpur/IN, M. Wächtler, Kiel/DE
- P01\_07 In-situ small-angle neutron scattering analysis of capillary condensation and evaporation in mesoporous glass  
C. Gommès, Liege/BE, A. Haidar, Liege/BE, S. Prévost, Grenoble/FR, S. Wellert, Berlin/DE
- P01\_08 Confinement-Controlled Surface Acidity in Ordered Mesoporous Aluminosilicates  
S. Itzigebl, Stuttgart/DE, J. R. Bruckner, Stuttgart/DE, M. Amann, Stuttgart/DE, T. Krol, Stuttgart/DE, T. Ott, Stuttgart/DE
- P01\_09 Synthetic control of gold/semiconductor nanostars  
L. E. Christoffer, Rostock/DE, K. Boldt, Rostock/DE, T. Peppel, Rostock/DE
- P01\_10 Anodization of porous anodic aluminum oxide membranes with phosphonic acid  
C. Twiehaus, Osnabrück/DE, M. Steinhart, Osnabrück/DE, P. Huber, Hamburg/DE, R. B. Wehrspohn, Halle (Saale)/DE, T. Vosmann, Osnabrück/DE

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- P01\_11      Assessing porous stamps for contact lithography  
N. Schweinitz, Osnabrück/DE, M. Steinhart, Osnabrück/DE
- P01\_12      Spin-orbit coupling in non-van der Waals 2D materials  
M. Lokamani, Dresden/DE, D. Wortmann, Jülich/DE, G. Bihlmayer, Jülich/DE, G. Michalicek, Jülich/DE, R. Friedrich, Dresden/DE, S. Blügel, Jülich/DE
- P01\_13      Structural Evolution of Single-Chain Nanoparticles made from Diblock Copolymers: Insights into Internal Confinement Effects during in silico “Synthesis”  
F. Plamper, Freiberg/DE, A. Voigt, Freiberg/DE, C. Hübler, Freiberg/DE, S. Schneider, Aachen/DE
- P01\_16      Interfacial and Grain-Boundary Engineering in ZIF-62 Glass Membranes  
Z. Zhao, Berlin/DE, A. Feldhoff, Hannover/DE, A. Mundstock, Hannover/DE
- P01\_17      Ultra-violet to shortwave-infrared transient absorption spectral features of flat PbSe quantum dots in strong confinement  
J. Unseld, Tübingen/DE, J. Lauth, Tübingen/DE, L. Biesterfeld, Tübingen/DE
- P01\_18      Designing 2D non-van der Waals Heterostructures  
A. Nihei, Dresden/DE, R. Friedrich, Dresden/DE, T. Barnowsky, Dresden/DE
- P01\_19      Tailoring the Surface and Interface of I-III-VI<sub>2</sub> Nanocrystals through Shell Deposition  
S. Chaudhary, Rostock/DE, K. Boldt, Rostock/DE
- P01\_20      Surface Functionalization of Non-van der Waals 2D Materials  
T. Barnowsky, Dresden/DE, M. Christie, Dresden/DE, R. Friedrich, Dresden/DE
- P01\_22      Utilizing anodic porous alumina membranes as hosts for pharmaceutical ingredients  
B. Cincin, Osnabrück/DE
- P01\_23      Ionic conductivity of nanoconfined ionic liquid in metal-organic framework film  
S. Singh Rana, Berlin/DE, A. Kanj, Karlsruhe/DE, L. Heinke, Berlin/DE, Z. Zhang, Karlsruhe/DE
- P01\_24      Carrier Diffusion vs. Waveguiding effects in different layered quasi-two-dimensional MAPbI-Perovskites  
R. Piehler, Rostock/DE, C. Klinke, Rostock/DE, E. Klein, Rostock/DE, R. Lesyuk, Rostock/DE
- P01\_25      Water Adsorption at Pairs of Brønsted Acid Sites in Zeolites  
H. Windeck, Berlin/DE, A. Erlebach, Prague/CZ, C. Heard, Prague/CZ, D. Willimetz, Prague/CZ, F. Berger, Berlin/DE, J. Sauer, Berlin/DE, L. Grajciar, Prague/CZ

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- P01\_26 A ring-confined dimetallic dyad mimicking Photosystem I  
K. P. Zois, Vienna/AT, B. Dietzek-Ivanši, Jena/DE, K. Mengele, Ulm/DE, L. Blechschmidt, Jena/DE, L. González, Vienna/AT, L. Zedler, Jena/DE, M. Müßler, Ulm/DE, S. Rau, Ulm/DE
- P01\_27 Highly Yb<sup>3+</sup>-doped core/shell upconversion nanocrystals  
L. Birk, Osnabrück/DE, M. Haase, Osnabrück/DE
- P01\_28 Intra- and Post-Synthesis Optimization of -NiS Nanoparticles  
O. Krüger, Hamburg/DE, D. Dorfs, Hamburg/DE, N. Bigall, Hamburg/DE
- P01\_29 Quaternary copper sulfide-based nanocrystals and their gel-like structures  
P. J. Thomsen, Hamburg/DE, N.-C. Bigall, Hamburg/DE
- P01\_30 Absorption and Response Properties of Molecules Coupled to Optical Quantum Cavities with Coupled Cluster Theory  
S. Göger, Saarbrücken/DE, L. Monzel, Saarbrücken/DE
- P01\_31 Formation of Three-Dimensional Cross-Linked Polymer Networks Studied by Single Molecule Tracking  
J. Owens, Aachen/DE, D. Malsbenden, Aachen/DE, D. Wöll, Aachen/DE, J. Lerch, Aachen/DE, L. Burow, Aachen/DE, S. Herres-Pawlis, Aachen/DE
- P01\_32 Steric Confinement for Reactivity and Selectivity in Organolithium and Heterocyclic Chemistry  
A. Antonov, Regensburg/DE
- P02\_01 Synthesis of magnetic 2D heterostructured nanoparticles  
L. Schoske, Hamburg/DE, C. Wesemann, Tokyo/JP, D. Dorfs, Hamburg/DE, H. Borg, Hannover/DE, I. Morales, Hannover/DE, N. C. Bigall, Hamburg/DE, R. T. Graf, Hannover/DE
- P02\_02 A flow reactor synthesis of CdSe semiconductor nanoplatelets  
T. Stoebke, Hamburg/DE, J. I. M. Funk, Hamburg/DE, L. Schoske, Hamburg/DE, N.-C. Bigall, Hamburg/DE
- P02\_03 MoS<sub>2</sub> and WS nanowalls with tailored wetting properties  
R. Ennaciri, Jena/DE, A. Turchanin, Jena/DE, C. Neumann, Jena/DE, C. M. Svensson, Jena/DE, M. Zerdani, Jena/DE, M. T. Figge, Jena/DE
- P02\_04 Photoelectrochemical Functionalisation of Graphene  
L. Feuerstein, Dresden/DE, F. Hauke, Fürth/DE, I. M. Weidinger, Dresden/DE, K. Gerein, Fürth/DE, T. Nagel, Fürth/DE
- P02\_05 Modelling Confined High-Entropy Materials  
C. C. Er, Dresden/DE, R. Friedrich, Dresden/DE

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- P02\_06 On-Surface Synthesis of 2D Conjugated Organic Polymers on Oxide Single Crystal Surfaces  
A. R. von Seggern, Oldenburg/DE, C. Groothuis, Oldenburg/DE, L. Mohrhusen, Oldenburg/DE
- P02\_07 Preparation and Characterization of Photoswitchable Carbon Nanomembranes  
V. Müller, Jena/DE, A. Turchanin, Jena/DE, C. Neumann, Jena/DE, D. Hüger, Jena/DE
- P02\_08 Solution-Based Synthesis and Characterization of 1D and 2D Tin Telluride Nanostructures  
M. Rittner, Hamburg/DE, A. Mews, Hamburg/DE
- P02\_09 Stimulated Emission from 2D CdSe/CdS Nanoplatelets Integrated in a Liquid-Core Fiber  
D. A. Rudolph, Hannover/DE, A. Antanovich, Hannover/DE, D. H. Chau, Hannover/DE, J. Lauth, Tübingen/DE, M. Chemnitz, Jena/DE, M. Schmidt, Jena/DE, M. Steinke, Hannover/DE, S. Spelthann, Hannover/DE, V. Adolfs, Hannover/DE
- P02\_10 Intra- and Interlayer Excitonic Finestructure of the Two-Dimensional Perovskite  $\text{PEA}_2\text{PbI}_4$   
P. Grenzer, Würzburg/DE, F. Lie, Enschede/NL, K. Eckstein, Würzburg/DE, L. Leppert, Enschede/NL, T. Hertel, Würzburg/DE
- P02\_11 First-Principles Investigations of Charge Transfer and Bandgap Engineering in Functionalised  $2\text{H-MoS}_2$   
S. Ray, Berlin/DE, B. Paulus, Berlin/DE
- P03\_01 Unified Solvothermal Synthesis of Size-Uniform Alkali Niobate and Tantalate Nanocrystals for Comparative SHG/THG Studies  
V. Rosner, Osnabrück/DE, J. Klein, Nordhausen/DE, K. Kömpe, Osnabrück/DE
- P03\_02 Membrane organoid chips for programmable growth of stem cells  
E. Schäfer, Osnabrück/DE, C. You, Osnabrück/DE, L. Tveriakhina, Osnabrück/DE, M. Steinhart, Osnabrück/DE
- P03\_03 Condensates, Aggregates or Both? Thz Calorimetry Puts the Spotlight on Water and Reveals the Nature of Biomolecular Condensates  
R. V. Teope, Bochum/DE, J. Tatzelt, Bochum/DE, K. Winklhofer, Bochum/DE, M. Havenith, Bochum/DE, M. G. Herrera, Bochum/DE, S. Naqvi, Bochum/DE
- P03\_04 Salt Mediated Softening of Confined Water in Biomolecular Condensates  
E. M. Adams, Dresden/DE, A. Czajkowski, Dresden/DE

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- P03\_05      Optical Detection of Inflammation Markers with Chemically Tailored Bionanosensors  
C. Derichsweiler, Duisburg/Bochum/DE, J. Ackermann, Duisburg/DE, J. Stegemann, Duisburg/Bochum/DE, S. Herbertz, Duisburg/DE, S. Kruss, Duisburg/Bochum/DE
- P03\_06      Thermodiffusion as a Probe of Hydrophilicity in Alkyl-Substituted Ammonium Salts  
B. A. Rudani, Jülich/DE, H. Kriegs, Jülich/DE, S. Wiegand, Jülich/DE
- P04\_01      Photoflow Reactors for Polyampholytic Hydrogels: Towards Scalable Noble Metal-Free Light-Driven Hydrogen Evolution  
D. Ghosh, Jena/DE, F. Schacher, Jena/DE
- P04\_02      In-situ Raman Studies on 2D Cobalt Porphyrin-based Covalent Organic Frameworks for Electrochemical CO<sub>2</sub> Reduction  
A. Joseph, Dresden/DE, A. De, Dresden/DE, I. M. Weidinger, Dresden/DE
- P04\_03      Implemented High-Purity Reactor for Nanostar Photocatalysis  
L. Möllmann, Rostock/DE, K. Boldt, Rostock/DE, T. Peppel, Rostock/DE
- P04\_04      Partial selective oxidation of 2-propanol on Co<sub>3</sub>O<sub>4</sub>(111) and VO<sub>x</sub>/Co<sub>3</sub>O<sub>4</sub>(111) model catalysts: solvent and dopant effects  
P. Kohlmorgen, Kiel/DE, C. Schröder, Kiel/DE, J. Smyczek, Kiel/DE, M. Galinski, Kiel/DE, P. Hubert, Kiel/DE, S. Schaueremann, Kiel/DE
- P04\_05      Single Atom Alloy Catalysis for Selective Non-Oxidative Butanol Dehydrogenation: From Pd/Cu(111) Single Crystals to Pd/Cu Nanoparticles Supported on Al<sub>2</sub>O<sub>3</sub>  
P. Fröhlich, Kiel/DE, C. Schröder, Kiel/DE, J. Smyczek, Kiel/DE, K. Neyman, Barcelona/ES, P. Haugg, Kiel/DE, S. Appelfeller, Lund/SE, S. Schaueremann, Kiel/DE
- P04\_06      Study of Atomically Precise Nanocluster/Oxide Interface for Efficient Electrocatalysis  
M. K. Sikdar, Rostock/DE, A. Roy , Kharagpur /IN, I. Chakraborty , Kharagpur /IN, P. Sardar , Kharagpur /IN, T. R. Gazi , Kharagpur /IN
- P04\_07      Plasmon-driven Suzuki–Miyaura cross-coupling reactions: role of the generated non-thermal charge carriers  
R. M. Radwan, Potsdam/DE, I. Bald, Potsdam/DE
- P04\_08      Unveiling Key Descriptors for CO Oxidation on Nanoporous Gold  
S. Schiewelbein, Bremen/DE, M. Bäumer, Bremen/DE, R. Moreira, Bremen/DE
- P04\_09      Unexpected selectivity in alcohol cross-coupling on Au(332)  
J. M. Correa Hoyos, Berlin/DE, A. Butzmann, Berlin/DE, B. Switon, Berlin/DE, T. Risse, Berlin/DE, W. Riedel, Berlin/DE
- P04\_10      Influence of Ligands on the Photocatalytic Reduction of 4 Nitrophenol by Gold Nanoparticles  
J. Manglani-Dreßler, Berlin/DE, C. Pacholski, 13353/DE

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- P04\_11 Investigation of nitric oxide reduction over ceria (CeO<sub>2</sub>) catalysts using UHV-IRRAS and DRIFTS techniques  
A. Essa, Eggenstein-Leopoldshafen/DE, A. Nefedov, Eggenstein-Leopoldshafen/DE, C. Wöll, Eggenstein-Leopoldshafen/DE, L. Bolz, Eggenstein-Leopoldshafen/DE, Y. Wang, Eggenstein-Leopoldshafen/DE, Z. Yu, Eggenstein-Leopoldshafen/DE
- P05\_01 Merging electrochemistry with biocatalysis in one-pot processes  
T. Bookholt, Osnabrück/DE, H. Gröger, Bielefeld/DE, H. Schäfer, Osnabrück/DE, J. Buddeberg, Bielefeld/DE
- P05\_02 Exchange Current Densities of Catalyst Nanoparticles on Photoelectrodes from Photocurrent Spectroscopy  
M. Nuss Hör, Tübingen/DE, E. A. Schmitt, Tübingen/DE, M. Diecke, Tübingen/DE, M. M. May, Tübingen/DE
- P05\_03 (Photo-) Electrochemical Deposition of Silicon from Ionic Liquids  
M. Diecke, Tübingen/DE, E. A. Schmitt, Tübingen/DE, M. Flieg, Tübingen/DE, M. M. May, Tübingen/DE, S. Hemmecke, Tübingen/DE
- P05\_05 Electrochemical recycling of epoxy resin-based carbon fibre using methanol as electrolyte  
P. Ly, Dresden/DE, I. M. Weidinger, Dresden/DE, J. Scheel, Dresden/DE, M. Liebscher, Dresden/DE, M. M. Devasis, Dresden/DE
- P05\_06 Meeting at the Interface : Promoting Carbonate Reduction via Ion-Surfactant Synergy  
S. Bharali, Bochum/DE, M. Havenith, Bochum/DE, N. S. Wichmann, Bochum/DE, S. Pezzotti, Paris/FR, W. Chen, Bochum/DE, X. Yu, Bochum/DE
- P05\_07 Frugal Catalysts by Design. 3D Printing Carbonized Biomass into Functional Electrodes  
T. Gottwald, Bremen/DE, M. Bäumer, Bremen/DE, N. Dami, Bremen/DE, R. Moreira, Bremen/DE, T. M. Gesing, Bremen/DE
- P05\_08 Electrochemical investigation of the protective role of redox chains (Tyr/Trp) in complete oxygen reduction: a case of small laccase (SLAC)  
C. Scharbach, Bonn/DE, H. Pilz, Bonn/DE, P. Kielb, Bonn/DE
- P05\_09 Electrochemical Insights into the Radical Scavenging Mechanism of DOPA Residues in Collagen Fibers  
A. F. Ahmed, Bonn/DE, F. Gräter, Mainz/DE, P. Kielb, Bonn/DE
- P05\_10 Early-Stage Nucleation in Electrochemical Atomic Layer Deposition: Se Deposition on Au(111)  
S. Reindl, Erlangen/DE, J. Libuda, Erlangen/DE, M. S. Ayub, Erlangen/DE, O. Brummel, Erlangen/DE, R. Hübsch, Erlangen/DE, T. Retzer, Erlangen/DE, Y. Lykhach, Erlangen/DE

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- P05\_11 Impact of Channel Length of Conductive Metal-Organic Framework Films on Charge Transport in Nanoporous Electric Double-Layer Capacitors  
P. Meier, Berlin/DE, A. Bhatt, Berlin/DE, L. Heinke, Berlin/DE, Y. Liu, Karlsruhe/DE
- P05\_12 Morphology-Dependent Assembly of PbS Quantum Dots into Hydrogel Network  
S. Saha, Hamburg/DE, D. Dorfs, Hamburg/DE, N. Bigall, Hamburg/DE
- P05\_13 Semiconductor Nanoparticle-based Gels as Photoactivated Gas Sensors  
J.-N. Beyer, Hamburg/DE, N.-C. Bigall, Hamburg/DE, T. Vossmeier, Hamburg/DE
- P05\_14 Tuning the Energy Release in Molecular Solar Thermals via Substituent Position and Autocatalytic Switching  
Z. Hussain, Erlangen/DE, A. Müller, Heidelberg/DE, E. Franz, Erlangen/DE, H. Hölzel, Gießen/DE, J. Libuda, Erlangen/DE, K. Moth-Poulsen, Barcelona/ES, N. Oberhof, Heidelberg/DE, O. Brummel, Erlangen/DE
- P05\_15 (Spectro-) Electrochemistry of Colloidal MoSe<sub>2</sub> Nanosheets  
S. Westendorf, Tübingen/DE, J. Lauth, Tübingen/DE, M. Scheele, Tübingen/DE, O. Strolka, Tübingen/DE
- P06\_01 Unraveling the correlation between populated site energies, activation barriers and saddle point energies in solid ion conductors  
M. Schäfer, Marburg/DE, K.-M. Weitzel, Marburg/DE, M. Vogel, Darmstadt/DE, M. A. Badragheh, Darmstadt/DE
- P06\_02 In-Situ Activation of a Monolithic SrTiO Single Crystal for Room Temperature Hydrogen Sensing  
T. Kassubek, Marburg/DE, K. Rein, Marburg/DE, K.-M. Weitzel, Marburg/DE
- P06\_03 The influence of the Ga-ions on the charge separation processes for in operando quantum dots-based solar cells.  
D. Sychev, Dresden/DE, A. Lubk, Dresden/DE, A. Senina, Dresden/DE, F. Paulus, Dresden/DE, F. Roeder, Dresden/DE, I. Hermes, Dresden/DE
- P07\_01 Low-energy Electron Attachment to Nimorazole and 2-bromo-5-nitro-thiazole: Effects of Microhydration  
G. Schöpfer, Innsbruck/AT, M. Onák, Innsbruck/AT, S. Denifl, Innsbruck/AT, T. Lob, Innsbruck/AT, V. T. T. Nguyen, Innsbruck/AT
- P07\_02 ReaxMD: Tracking Atoms in Reactive Molecular Dynamics  
L. Álvarez, Hannover/DE, I. Frank, Hannover/DE, K. Vogiatzis, Knoxville/US, R. Buechel, Hannover/DE
- P07\_03 Ab-Initio Simulation of Photoreactions  
R. Büchel, Hannover/DE, I. Frank, Hannover/DE, L. Alvarez Figueroa, Hannover/DE

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- P07\_04 Molecular Clustering and Their Release Under Nanoconfinement in the Pores of metal Organic Framework  
A. Pushpa Balakrishnan, Berlin/DE, L. Heinke, Berlin/DE
- P07\_05 Understanding the Mechanism of Thermally Activated Delayed Fluorescence in Emitters of Donor–Acceptor Type  
K. M. Knötig, Siegen/DE, K. Oum, Siegen/DE, T. Lenzer, Siegen/DE
- P07\_06 The Effect of Doping on the Reduction-induced Structural Change of  $\text{LaMnO}_{3+x}$   
L. Joseph, Koblenz/DE, M. D'Arienzo, Milan/IT, S. Mascotto, Koblenz/DE, S. Mostoni, Milan/IT
- P07\_07 Investigating protection mechanisms of Lytic polysaccharide monooxygenases against oxidative inactivation - The role of Tyr/Trp chains  
F. H. Pilz, Bonn/DE, P. Kielb, Bonn/DE
- P07\_08 Photophysical investigations of an organic dye for perovskite solar cell applications with optical spectroscopy  
S. M. Stepping, Uppsala/SE, G. Boschloo, Uppsala/SE, L. Hammarström, Uppsala/SE
- P07\_10 Single Molecule Force Spectroscopy (SMFS) of Organometallic Rhodium-Complexes  
M. Rainer, Innsbruck/AT, C. E. Diesendruck, Haifa/IL, H. Zhang, Haifa/IL, M. K. Beyer, Innsbruck/AT, S. F. Wörz, Innsbruck/AT
- P07\_11 Experimental Indication of Regimes of Heterogeneous and Homogeneous Nucleation of Carbon Dioxide Gas-Hydrates  
B. Rathke, Bremen/DE, L. Pereira, Bremen/DE
- P08\_01 Substrate-Assisted Cathodoluminescence  
S. Ebel, Odense/DK, A. Mortensen, Odense/DK, S. Morozov, Odense/DK
- P08\_02 High-resolution frequency comb spectroscopy of the  $\nu_8$   $\text{CH}_2$ -wagging band of dibromomethane isotopologues  
I. Sadiq, Bochum/DE, A. Balashov, Umeå/SE, A. Foltynowicz, Umeå/SE, A. Hjältén, Umeå/SE, M. Rey, Reims/FR, O. Egorov, Tomsk/RU
- P08\_03 Photodissociation Spectroscopy and Photochemical Hydrogen Evolution in  $\text{Al}^+(\text{H}_2\text{O})$   
M. K. Beyer, Innsbruck/AT, C. van der Linde, Innsbruck/AT, D. Jank, Innsbruck/AT, M. Onák, Innsbruck/AT, M. Reimann, Innsbruck/AT
- P08\_04 Charge-carrier separation in colloidal nanostructures under illumination measured by Kelvin probe force microscopy  
S. Rolf, Hamburg/DE, A. Mews, Hamburg/DE, J. Ahrens, Hamburg/DE, N. Giese, Hamburg/DE, T. Kipp, Hamburg/DE

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- P08\_05      Electronic States of Coordinatively Saturated Transition Metal Complexes in the Gas Phase  
M. Reimann, Innsbruck/AT, M. Onák, Innsbruck/AT, M. K. Beyer, Innsbruck/AT
- P08\_06      Solvation and Encapsulation Processes of Cucurbit[7]uril investigated by THz-Spectroscopy  
S. Schulke, Bochum/DE, M. Havenith, Bochum/DE
- P08\_08      Using Time-Resolved FTIR-Spectroscopy for Tracing Photoinduced Dynamics and Identifying Involved Intermediates  
C. Rehagen, Rostock/DE, L. Kruse, Rostock/DE, R. Ludwig, Rostock/DE
- P08\_09      Rare encounters with benzonitrile: benchmarking structures, binding energies, and electric field gradients in noble-gas van der Waals complexes  
J. Fasse, Göttingen/DE, B. Hartwig, Göttingen/DE, D. Obenchain, Göttingen/DE, W. Mäde, Göttingen/DE
- P08\_10      Halogen Bonds in Rotational Spectroscopy: Mesomeric and Inductive Effects  
J. N. Hasselhorn, Göttingen/DE, B. Hartwig, Göttingen/DE, D. A. Obenchain, Göttingen/DE
- P08\_11      Quantification of Halogen Bond Donor Strength by Rotational Spectroscopy  
J. Hasselhorn, Göttingen/DE, B. Hartwig, Göttingen/DE, D. A. Obenchain, Göttingen/DE
- P08\_12      Investigations of H-Bonding in Dicarboxylic acid based Ionic liquids  
M. Azhar, Rostock/DE, R. Ludwig, Rostock/DE
- P08\_13      CuS Nanoparticle Grating for Directional NIR Quantum Dots Photoluminescence Enhancement  
V. Alabusheva, Dresden/DE, G. Carelli, Dresden/DE, S. Seçkin, Dresden/DE, V. Lesnyak, Dresden/DE, V. Shilovskikh, Dresden/DE, V. Zakomirnyi, Troyes/FR
- P08\_14      Characterization of Chain Transfer Agents for RAFT Polymerization on the Gold Nanoparticle Surface  
N. Deepak, Potsdam/DE, A. H. Esfahani, Potsdam/DE, I. Bald, Potsdam/DE, M. Hartlieb, Potsdam/DE, S. Kogikoski Jr., Potsdam/DE
- P08\_15      Temperature dependent spectroscopy of Ag<sub>2</sub>S nanoparticles for bioimaging  
L. Schindelhauer, Hamburg/DE, A. Mews, Hamburg/DE, B. Juárez, Madrid/ES, C. Strelow, Hamburg/DE, T. Kipp, Hamburg/DE
- P08\_16      (Multi)-Exciton Dynamics in Mixed CdSe Quantum Dot Thin Films  
A. Prax, Kiel/DE, M. Wächtler, Kiel/DE, R. Baruah, Kiel/DE

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- P08\_17 Solvation shell Spectroscopy of Supported Lipid Bilayers  
B. Moussa, Bochum/DE, B. Justesen, Bochum/DE, P. B. Petersen, Bochum/DE, T. Günther-Pomorski, Bochum/DE
- P08\_18 First Measurements and Calibration for Measuring the Electrochemical Impedance Spectroscopy of Liquid Substances  
C. Grau Turuelo, Dresden/DE, A. S. Hashim, Dresden/DE, C. Breitkopf, Dresden/DE
- P08\_19 Light-induced proton transfer and its impact on membrane dynamics in amphiphile-modified GUVs  
S. S. Mohanty, Jena/DE, A. Banerjee, Jena/DE, A. Chettri, Potsdam/DE, B. Dietzek-Ivanši, Jena/DE, S. Buzhala, Jena/DE, S. R. Bongu, Jena/DE
- P08\_20 Photoactive Neutral Three-Coordinate Cu(I) Complexes of Anionic N-Heterocyclic Carbenes  
T. F. Borowski, Braunschweig/DE, D. Bockfeld, Braunschweig/DE, J. P. Zurwellen, Braunschweig/DE, L. E. Burmeister, Braunschweig/DE, L. J. Groth, Braunschweig/DE, M. Karnahl, Braunschweig/DE, M. Tamm, Braunschweig/DE, P. R. Meinhold, Braunschweig/DE, R. Frank, Braunschweig/DE, S. Tschierlei, Braunschweig/DE
- P08\_21 Tuning of Arsenic Corrole Complexes by Axial Coordination: From Photophysics to Photosensitization  
M. Brandstätter, Braunschweig/DE, A. Riabchunova, Braunschweig/DE, H. Peters, Braunschweig/DE, M. Bröring, Braunschweig/DE, M. Karnahl, Braunschweig/DE, S. Tschierlei, Braunschweig/DE
- P08\_22 Bright, Photostable Alumina-coated Perovskite nanocrystals  
M. T. Duong, Hamburg/DE, G. Nogues, Grenoble/FR, N. C. Bigall, Hamburg/DE, P. Reiss, Grenoble/FR
- P08\_23 Unexpected Sign Inversion of the CD and CPL Response of Chiral Copolymer Thin Films by Tuning the Thickness and Annealing Conditions  
V. Schumacher, Siegen/DE, D. Gust, Siegen/DE, D. Pitrat, Lyon/FR, J.-C. Mulatier, Lyon/FR, K. Oum, Siegen/DE, L. Guy, Lyon/FR, M. Morgenroth, Siegen/DE, M. Scholz, Siegen/DE, T. Lenzer, Siegen/DE
- P08\_24 Probing CO Adsorption and Transport in Zeolites Using Electrochemical Impedance Spectroscopy  
A. S. Hashim, Dresden/DE, C. Breitkopf, Dresden/DE, C. Grau Turuelo, Dresden/DE
- P08\_25 Unraveling Quantum Effects of Flexible Molecules in Superfluid Solvents  
K. Leitmann, Bochum/DE, D. Marx, Bochum/DE, H. Forbert, Bochum/DE

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- P08\_26 Analyzing Microsolvation Shell Buildup of Helium Around the Zundel Cation Using Highly Accurate Path Integrals Simulations Based on Machine Learning Potentials  
E. Gil Olaria, Bochum/DE, C. Schran, Cambridge/GB, D. Marx, Bochum/DE, H. Forbert, Bochum/DE
- P08\_27 Electrochemical Increase of Carbon Nanotube Fluorescence  
J. A. C. Wartmann, Bochum/DE, S. Kruss, Bochum/DE
- P08\_28 Impact of Surface Acidity, Hydration, and Temperature on Organic Guest–Host Interactions in Mesoporous Silica  
I. G. Shenderovich, Regensburg/DE
- P08\_29 Insight into Excited State Dynamics of Photooxidised PM6:Y6 Bulk-Heterojunction: Deposited via Langmuir Schaefer Deposition Technique  
J. Bisht, Jena/DE, B. Dietzek-Ivanši, Leipzig/DE, M. Presselt, Jena/DE, Y. T. Gerasea, Jena/DE
- P08\_30 Light-Triggered Proton Transfer in Biomimetic Membranes  
A. Banerjee, Jena/DE, B. Dietzek-Ivanši, Leipzig/DE, S. R. Bongu, Jena/DE, S. S. Mohanty, Jena/DE
- P08\_31 Photoactive nanofibres as materials for light driven catalysis.  
M. S. Puthanagady, Jena/DE, B. Dietzek-Ivanši, Jena/DE, J. H. Tran, Ulm/DE, M. Anjass, Jena/DE, N. Vashistha, Jena/DE
- P08\_32 "Ultrafast photodynamics of photoresponsive amphiphiles in giant unilamellar vesicles"  
S. Buzhala, Jena/DE, A. Banerjee, Jena/DE, B. Dietzek-Ivanši, Jena/DE, S. R. Bongu, Jena/DE, S. S. Mohanty, Jena/DE
- P08\_33 Probing Electrode–Electrolyte Interfaces in Prussian Blue Analogues for Sodium-Ion Batteries Using Vibrational Sum Frequency Generation (VSFG) Spectroscopy  
A. Sharma, Jena/DE, B. Dietzek-Ivanši, Jena/DE, R. De, Columbus/US, S. Reddy Bongu, Jena/DE
- P08\_34 Tuning of excited state properties of backbone-substituted heteroleptic Copper(I) complexes investigated by time-resolved FTIR spectroscopy  
K. Rediger, Kaiserslautern/DE, K. J. Haseloff, Braunschweig/DE, M. Karnahl, Braunschweig/DE, M. Wächtler, Kiel/DE, S. Tschierlei, Braunschweig/DE
- P08\_35 Rotational, vibrational, conformational and diastereomeric dimer cooling of aminoalcohols in soft supersonic expansions  
E. Lwin, Göttingen/DE, M. A. Suhm, Göttingen/DE, M. J. Gölz, Göttingen/DE, N. O. B. Lüttschwager, Göttingen/DE
- P08\_36 Microhydration of substituted pyrazoles  
F. Knüppe, Göttingen/DE, E. Lwin, Göttingen/DE, M. A. Suhm, Göttingen/DE

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- P08\_37 OH NO! - Investigating the interactions between TEMPO and large halogenated alcohols  
E. Sennert, Göttingen/DE, M. A. Suhm, Göttingen/DE
- P08\_38 Mapping the emissive surface states of graphene quantum dots in the energy landscape with metal cations  
S. Burai, Kiel/DE, J. Boehmfeld, Kaiserslautern/DE, M. Wächtler, Kiel/DE
- P08\_39 The influence of surface state bands on the optical properties of 2D Bi<sub>2</sub>Se<sub>3</sub> nanoplatelets  
J. Vliem, Tübingen/DE, A. Baserga, Milan/IT, A. R. Botello-Méndez, Utrecht/NL, D. Vanmaekelbergh, Utrecht/NL, G. Cerullo, Milan/IT, M. Scheele, Tübingen/DE, P. Geiregat, Utrecht/NL, R. Kumar, Milan/IT, R. R. Reho, Luxemburg City/LU, S. A. Cayan, Ghent/BE, Z. Zanolli, Utrecht/NL
- P08\_40 Surface structure of Cu/CeO<sub>2</sub> nanoparticles probed by CO surface-ligand infrared spectroscopy (SLIR)  
Z. Li, Eggenstein-Leopoldshafen/DE, A. Nefedov, Eggenstein-Leopoldshafen/DE, C. Wöll, Eggenstein-Leopoldshafen/DE, L. Bolz, Eggenstein-Leopoldshafen/DE, L. Caulfield, Eggenstein-Leopoldshafen/DE, Y. Wang, Eggenstein-Leopoldshafen/DE, Z. Yu, Eggenstein-Leopoldshafen/DE
- P09\_01 Metal-Organic Framework Thin Films Grown on Functionalized Graphene as Solid-State Ion-Gated FETs  
A. Chandresh, Berlin/DE, C. Wöll, Karlsruhe/DE, L. Heinke, Berlin/DE
- P09\_02 Laser Pulse-induced Heating of Nanoparticle-based Cryoaerogels  
C. Tioka, Hamburg/DE, D. Dorfs, Hamburg/DE, N. Bigall, Hamburg/DE
- P09\_03 TPD Studies of Metal-Substrate Interactions in LOHCs and Polyfluorinated Compounds  
S. R. Kachel, Marburg/DE, E. Versok, Marburg/DE, J. M. Gottfried, Marburg/DE, K. Zoltner, Marburg/DE, L. Neuhaus, Marburg/DE
- P09\_04 Area-selective SAM templating on CoO nanoislands/Au(111)  
N. Sidorenko, Erlangen/DE, A. Zerreis, Erlangen/DE, J. Hauner, Erlangen/DE, J. Libuda, Erlangen/DE
- P09\_05 Influence of Halide Counterions on Tetrabutylammonium Films and Interfacial Water at Gold Electrodes  
N. S. Wichmann, Bochum/DE, J. Kaur, Bochum/DE, M. Havenith, Bochum/DE, S. Pezzotti, Paris/FR, W. Chen, Paris/FR
- P09\_06 Rotational Dynamics of Single Molecules at the Interfaces of Thin Polymer Films  
D. Malsbenden, Aachen/DE, D. Marx, Göttingen/DE, D. Wöll, Aachen/DE, J. Enderlein, Göttingen/DE, O. Nevskyi, Göttingen/DE

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- P09\_07      Atomically Defined Photoswitchable Hybrid-Nanostructures Based on Functionalized Norbornadienes, Cobalt Oxide Nanoislands, and Au(111)  
L. Knörr, Erlangen/DE, A. Zerreis, Erlangen/DE, J. Hauner, Erlangen/DE, J. Libuda, Erlangen/DE, O. Brummel, Erlangen/DE
- P09\_08      Photosensitizer–Silver Nanoparticle Synergy in PEGDA/Gelatin Hybrid Hydrogels for Antibacterial Photodynamic Therapy  
T. ener Raman, Leipzig/DE, A. Kaiser, Leipzig/DE, A. Schulze, Leipzig/DE, B. Abel, Leipzig/DE, M. Kühnert, Leipzig/DE, N. Lippmann, Leipzig/DE, R. Konieczny, Leipzig/DE, R. Werdehausen, Leipzig/DE
- P09\_09      Preparation and Characterization of PtRu/Ru(10-10) Surface Alloys for Model Electrocatalysis  
D. Schauermann, Erlangen/DE, J. Libuda, Erlangen/DE, J. Myslivecek, Prague/CZ, J. Skvara, Prague/CZ, N. Tsud, Prague/CZ, O. Brummel, Erlangen/DE, R. Hübsch, Erlangen/DE, T. Skala, Prague/CZ, Y. Lykhach, Erlangen/DE
- P09\_10      Boosting Protein Extraction from Tetraselmis chui with Enzyme-Functionalized Nylon Membranes  
T. Schreiber, Leipzig/DE, A. Poidevin, Saint-Nazaire/FR, A. Prager, Leipzig/DE, A. Schulze, Leipzig/DE, E. Couallier, Saint-Nazaire/FR, M. Schmidt, Leipzig/DE
- P09\_11      Ultrathin macroporous substrates for high-resolution microscopy  
J. Bergjan, Osnabrück/DE, A. Möller, Osnabrück/DE, A. C. Basaran, Osnabrück /DE, K. Cosentino, Modena/IT, M. Steinhart, Osnabrück/DE, Ö. D. Asik, Osnabrück/DE
- P09\_12      Insights into Single-Atom Catalysis on Boron Nitride Surfaces: A DFT/AIMD Study  
L. Carroll, Berlin/DE
- P09\_13      Ferroelectric charge separation studies on sintered BaTiO<sub>3</sub> surfaces  
K. Neuhauser, Salzburg/AT, G. Zickler, Salzburg/AT, O. Diwald, Salzburg/AT, T. Berger, Salzburg/AT
- P09\_14      Insights into Heterogeneous Ice Nucleation on the Nanoscale  
F. Schneider, Bielefeld/DE, A. Kühnle, Bielefeld/DE, I. A. Ruiz Alvarado, Paderborn/DE, L. Klausfering, Bielefeld/DE, R. Bechstein, Bielefeld/DE, R. Pires da Silva, Bielefeld/DE, W. G. Schmidt, Paderborn/DE
- P09\_15      Secondary crosslinking of thermoresponsive microgels for smart microgel-based membranes  
J. Runge, Bielefeld/DE, A. Gujare, Montpellier/FR, J. Oberdisse, Montpellier/FR, S. Uredat, Bielefeld/DE, T. Hellweg, Bielefeld/DE
- P09\_16      Direct Observation of Potential-Dependent Surface State Formation at an Electrochemical Interface via the Optical Anisotropy  
M. Flieg, Tübingen/DE, M. Guidat, Tübingen/DE, M. May, Tübingen/DE

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- P09\_17 Photochemical Action Plots Uncover Wavelength-Controlled Growth of Polymer Brushes  
K. Rymsha, Dresden/DE, A. Fery, Dresden/DE, C. Pester, Dresden/DE, J. Yadav, Dresden/DE, L. Mérai, Dresden/DE, Q. A. Besford, Dresden/DE
- P09\_18 Microviscosity-mapping in Polymer Brushes by Fluorescent Molecular Rotors  
L. Mérai, Dresden/DE, H. Merlitz, Dresden/DE, Q. A. Besford, Dresden/DE
- P10\_01 Uncovering molecular secrets of deep eutectic solvents  
S. Zahn, Leipzig/DE
- P10\_02 Active Learning based Dataset Construction for Neural Network Potentials of Water in 2D Nanoconfinement  
N. Smith, Hamburg/DE, C. Herrmann, Hamburg/DE
- P10\_03 OrthoBoXY: A Simpler Way to Compute True Self-Diffusion Coefficients and Viscosities from MD Simulations  
M. Brandt, Rostock/DE, D. Paschek, Rostock/DE, J. Busch, Rostock/DE
- P10\_04 Coordination Corrected Enthalpies for the Thermodynamics of Ionic Materials  
B. Thakur, Dresden/DE, R. Friedrich, Dresden/DE
- P10\_05 The Electronic Ground State Term of the Group 14 Monofluoride Molecules: A Spin-Orbit Coupling Study  
D. Andrae, Berlin/DE, J. Pantescu-Lucazeau, Lyon/FR
- P10\_06 From Atomistic Simulations to Indoor Chemistry: Modeling Diffusion Across Interfaces  
M. von Domaros, Marburg/DE, P. R. Prabhakar, Irvine/US, R. Thomas, Marburg/DE
- P10\_07 Automating Multireference Calculations for Building a Database of Electronic Transitions in Astrochemical Compounds  
M. Gatt, Innsbruck/AT, G. Schöpfer, Innsbruck/AT, M. Onák, Innsbruck/AT, M. Reimann, Innsbruck/AT
- P10\_08 Light-Triggered Azobenzene-Bithiophene Nanotrap for Fullerenes  
O. Guskova, Dresden/DE, D. A. Ryndyk, Dresden/DE
- P10\_09 Parallel Transport Diabatization with Neural Ordinary Differential Equations  
M. Hütter, Innsbruck/AT, M. Onák, Innsbruck/AT
- P10\_10 Chemical Space Exploration with Artificial “Mindless” Molecules  
J. Schöps, Bonn/DE, A. Hansen, Bonn/DE, J. Hermann, Berlin/DE, M. Müller, Bonn/DE, S. Grimme, Bonn/DE, S. Lanius, Berlin/DE, T. Gasevic, Bonn/DE