

C1.4 (C. Feldmann)

- [C1.4:1] * C. Zimmerman, C. Feldmann, M. Wanner, and D. Gerthsen, *Nanoscale Gold Hollow Spheres via Microemulsion Approach*, [Small **3**, 1347 \(2007\)](#)
- [C1.4:2] D.H.M. Buchold and C. Feldmann, *Nanoscale AlO(OH) Hollow Spheres - Synthesis and Container-type Functionality*, [Nano Lett. **7**, 3489 \(2007\)](#)
- [C1.4:3] D.H.M. Buchold and C. Feldmann, *Microemulsion Approach to Non-agglomerated and Crystalline Nanomaterials*, [Adv. Funct. Mater. **18**, 1002 \(2008\)](#)
- [C1.4:4] D.H.M. Buchold and C. Feldmann, *Nanoscale Complex Metal Cyanides and Thermolysis thereof*, [Solid State Sci. **10**, 1305 \(2008\)](#)
- [C1.4:5] H. Gröger, F. Gyger, P. Leidinger, C. Zurmühl, and C. Feldmann, *Microemulsion Approach to Nanocontainers and its Variability in Composition and Filling*, [Adv. Mater. **21**, 1586 \(2009\)](#)
- [C1.4:6] H. Goesmann and C. Feldmann, *Nanoparticulate Functional Materials (Review)*, [Angew. Chem. Int. Ed. **49**, 1362 \(2010\)](#)
- [C1.4:7] F. Gyger, M. Hübner, C. Feldmann, N. Barsan, and U. Weimar, *Nanoscale SnO₂ Hollow Spheres and Their Application as a Gas-Sensing Material*, [Chem. Mater. **22**, 4821 \(2010\)](#)
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- [C1.4:12] * P. Leidinger, R. Popescu, D. Gerthsen, and C. Feldmann, *Nanoscale Copper Sulfide Hollow Spheres with precisely adjusted Phase Composition: Covellite (CuS), Digenite (Cu_{1.8}S), Chalcocite (Cu₂S)*, *Nanoscale* **3**, 2544 (2011)
- [C1.4:13] * S. Indris, M. Scheuermann, S. Becker, V. Šepelák, R. Kruk, J. Suffner, F. Gyger, C. Feldmann, A.S. Ulrich, and H. Hahn, *Local Structural Disorder and Relaxation in SnO₂ Nanostructures Studied by ¹¹⁹Sn MAS NMR and ¹¹⁹Sn Mössbauer Spectroscopy*, [J. Phys. Chem. C **115**, 6433 \(2011\)](#)
- [C1.4:14] H. Dong and C. Feldmann, *Porous ZnO Platelets via controlled thermal Decomposition of Zinc Glycerolate*, [J. Alloys Comp. **513**, 125 \(2012\)](#)
- [C1.4:15] S. Simonato, H. Gröger, J. Möllmer, R. Staudt, A. Puls, F. Dreisbach, and C. Feldmann, *Reversible Sorption and Storage of CO₂ with Nanoscale γ -AlO(OH) Hollow Spheres*, [Chem. Commun. **48**, 844 \(2012\)](#)
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- [C1.4:18] * C. Kind, R. Popescu, R. Schneider, E. Müller, D. Gerthsen, and C. Feldmann, *Advanced Bimetallic In–Cu/Ag/Au Nanostructures via Microemulsion-based Reaction*, [RSC Advances 2, 9473 \(2012\)](#)
- [C1.4:19] * P. Leidinger, R. Popescu, D. Gerthsen, and C. Feldmann, *Nanocrystal Superlattices with Nanoscale Ag₂S Hollow Spheres and Ag₂S Nanodiscs as Building Blocks*, [Chem. Mater. 25, 4173 \(2013\)](#)
- [C1.4:20] C. Feldmann, *Nanoscale Hollow Spheres C. Feldmann Produktgestaltung in der Partikeltechnologie*, [Fraunhofer Verlag Stuttgart 6, 9 \(2013\)](#)
- [C1.4:21] * C. Feldmann, H. Dong, R. Popescu, and D. Gerthsen, *Shape-stabilized Bi₂Te₃-capped Tellurium Nanorods*, [Z. Anorg. Allg. Chem. 639, 2406 \(2013\)](#)
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- [C1.4:23] * F. Gyger, P. Bockstaller, H. Gröger, D. Gerthsen, and C. Feldmann, *Quantum-confined GaN Nanoparticles Synthesized via Liquid-Ammonia-in-Oil-Microemulsions*, [Chem. Commun. 50, 2939 \(2014\)](#)
- [C1.4:24] * R. Gomes, S. Roming, A. Przybilla, M.A.R. Meier, and C. Feldmann, *Barium Peroxide Nanoparticles: Synthesis, Characterization and Their Use for Actuating the Luminol Chemiluminescence*, [J. Mater. Chem. C 2, 1513 \(2014\)](#)
- [C1.4:25] * F. Gyger, A. Sackmann, M. Hübner, P. Bockstaller, D. Gerthsen, H. Lichtenberg, J.-D. Grunwaldt, N. Barsan, U. Weimar, and C. Feldmann, *Pd@SnO₂ and SnO₂@Pd Core@Shell Nanocomposite Sensors*, [Particle 31, 591 \(2014\)](#)

Invited Talks at International Conferences

- C. Feldmann, *Nanoskalige Hohlkugeln: Synthese, Container-Funktionalität und Gasadsorption*, 14. Vortragstagung der GDCh Fachgruppe Festkörperchemie und Materialforschung, Bayreuth, 24.09.–26.09.2008
- C. Feldmann, *Nanoscale Hollow Spheres*, IM6 – 6th International Conference on Inorganic Materials, Dresden, 28.09.–30.09.2008
- C. Feldmann, *Nanoscale Hollow Spheres – A novel Materials Morphology, its Properties and Application*, World Congress on Particle Technology (WCPT6), Nürnberg, 16.04.–29.04.2010
- C. Feldmann, *Nanoscale Hollow Spheres: Container-functionalities, Gas Sorption, Sensor Applications and Catalysis*, 1st International Conference on Materials for Energy, Karlsruhe, 04.07.–07.07.2010
- C. Feldmann, *Nanoscale Hollow Spheres: Microemulsion-based Synthesis, Properties and Application*, NANO2010 – Xth International Conference on Nanostructured Materials, Rome, 12.09.–17.09.2010
- C. Feldmann, *Nanoscale Hollow Spheres – Microemulsion-based Synthesis, Structure and Properties*, MC10 – 10th International Conference on Materials Chemistry, Manchester 04.07.–07.07.2011.
- C. Feldmann, *Nanoscale Hollow Spheres and Its Use*, MRS Fall Meeting, Boston, 27.11.–02.12.2011
- C. Feldmann, *Hohlkugeln, Leuchtstoffe, Hybride – Neuartige Nanomaterialien für die Medizin?* RWTH Aachen, Helmholtz-Institut für Medizinische Technik, 12.07.2012
- C. Feldmann, *Inorganic-Organic Hybrid Nanoparticles for Multipurpose Application*, NANO2012 – XIth International Conference on Nanostructured Materials, Rhode, 26.08.–31.08.2012

C. Feldmann, *Nanoskalige Hohlkugeln: Synthese, Charakterisierung, Eigenschaften*, C. Feldmann*, 6. Symposium Produktgestaltung in der Partikeltechnologie, Clausthal-Zellerfeld, 13.06.–14.06.2013

C. Feldmann, *Nanoparticles for Optical Imaging, Drug Delivery and Phototherapy 3rd P3AGI Imaging Workshop – Public Private Partnership for Asthma Imaging and Genomics*, Göttingen, 12.06.–13.06.2013