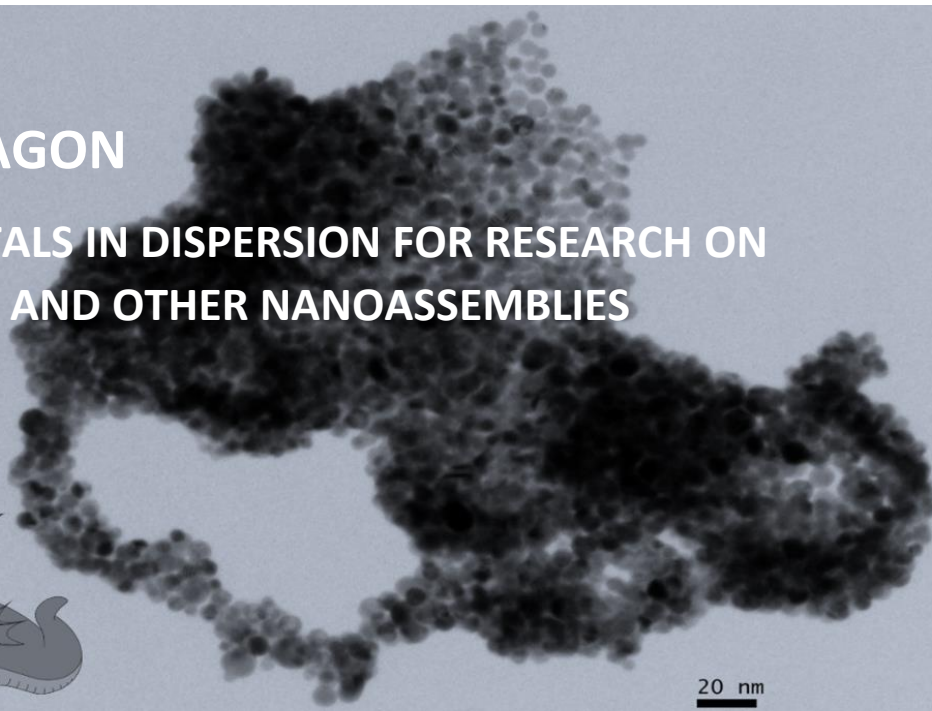


19.07.2024

NANODRAGON

NANOCRYSTALS IN DISPERSION FOR RESEARCH ON ASSEMBLIES AND OTHER NANOASSEMBLIES



20 nm

9:30 – 15:40

Invited Talks – Lecture Hall B (Martin Luther King Platz 6)

09:30 – 09:40

Nadja Bigall, Dirk Dorfs - Opening

09:40 – 10:20

Dmitri Talapin (University of Chicago)

Expanding chemical diversity of low-dimensional materials

10:20 – 11:00

Dorota Koziej (Universität Hamburg)

Exploring Nanostructures in Solution Across Length Scales Using Synchrotron-based X-ray Techniques

11:00 – 11:30

Coffee break

11:30 – 12:10

Beatriz Hernández Juárez (Instituto de Ciencia de Materiales de Madrid)

Ag₂S NIR Emitting Nanocrystals as Probes in Nanomedicine

12:10 – 12:50

Alexander Eychmüller (Technische Universität Dresden)

Nanoparticle-based Semiconductor and Metal Aerogels

12:50 – 14:20

Lunch break

14:20 – 15:00

Irina Smirnova (TU Hamburg Harburg)

Aerogel production: from batch to continuous and from small to large scale

15:00 – 15:40

Uri Banin (Hebrew University of Jerusalem)

Colloidal quantum dot molecules: Fusion chemistry, multiexciton spectroscopy and color switching

16:00 – 17:45

Poster Session – Seminar Room 160/161 (VGII, Grindelallee 117)

List of posters on the backside

18:00 – open end

Get together and barbecue – Martin Luther King Platz

List of Posters

#	Name:	Title:
1	Thomsen	<i>Semiconductor-Based Nanoparticle Gel Networks and Their Photoelectrochemical Properties</i>
2	Salikhova	<i>Cluster-based 'Green' Synthesis of highly-luminescent Indium Arsenide Quantum Dots</i>
3	Borg	<i>Platinum Cryoaerogel as a Low Loading Cathode Catalyst in PEM Water Electrolysis</i>
4	Felgenhauer	<i>Increasing Fuel Cell Catalyst Stability by Support Functionalisation</i>
5	Struck	<i>Self-Assembly of Titania Nanoplatelets and Their Encapsulation in a Polystyrene Shell via Photocatalytic Surface-Grafted Radical Polymerization</i>
6	Klauke	<i>Multilevel Bio-Inspired Magnetic Nanocomposites via Self-Assembly Approaches</i>
7	Dobschall	<i>Photoactivated Gas Sensing on Titania Nanocrystal Thin Films</i>
8	Lengle	<i>Tracking Cation Exchange in Individual Nanowires via Transistor Characterization</i>
9	Signorato	<i>Magneto-responsive Elastomeric Composites: SPIONs in Covalent Adaptable Networks</i>
10	Wagler	<i>Protein-based Adsorbents for Uremic Toxin Clearance in Chronic Kidney Disease Patients</i>
11	Yadav	<i>Establish protein containers as building blocks for the assembly of anisotropic nanorods into optical hybrid nanomaterials</i>
12	Mucke	<i>Magnetic bio-nanohybrid materials based on <i>T. maritima</i> encapsulin</i>
13	Katenkamp	<i>Investigation of synthesis parameters and characterization of protein-templated semiconductor quantum dots</i>
14	Schulz	<i>Controlled Growth of Two-Dimensional SnSe/SnS Core/Crown Heterostructures by Reactivity of the Precursors</i>
15	Schattschneider	<i>Synthesis of Dual Emitting ZnSe/ZnS/CdS Double-Dot-In-a-Rod Nanostructures via Cation-Exchange</i>
16	Busler	<i>Optical properties of cargo-loaded binary protein crystals</i>
17	Schulze	<i>Sugar Functionalized Superparamagnetic Nanoparticles for Capturing of Cancer Cells in Liquid Biopsy</i>
18	Nakielski	<i>Functionalization of Quantum Dots and Nanoparticles for Sensing and Targeting</i>
19	Frost	<i>Synthesis of multimetal tipped CdS nanorods</i>
20	Köhn	<i>Structural changes in the formation of ice due to confined environment</i>
21	Furlan	<i>Engineering meets Nanoscience: Additive Manufacturing combined with Colloidal Assembly</i>
22	Voß	<i>Photoluminescence spectroelectrochemical studies on CdS nanostructures</i>
23	Boldt	<i>Magic-size Clusters or Nanofibrils? - The Strange Case of High Temperatur Equilibria and What They Hide</i>
24	Hussak	<i>Studying the sulfidization of Cu₂O nanocubes to CuS combining in situ X-ray absorption spectroscopy with ex situ X-ray fluorescence mapping and scanning electron microscopy</i>
25	Funk	<i>Investigation of semiconductor nanoplatelets formation using a flow reactor</i>
26	Jost	<i>Exciton-Phonon Coupling in Alloyed Dot-in-Rod Nanostructures</i>
27	Steenbock	<i>Ligand-Induced Symmetry Breaking as the Origin of Multiexponential Photoluminescence Decay in CdSe Quantum Dots</i>
28	Busse	<i>Morphological stability of anisotropic ZnO nanoparticles during ligand exchanges</i>
29	Schoske	<i>Synthesis of heterostructured nanoparticles using semiconductor platelets</i>
30	Tioka	<i>Effect of particle form and surface modification of TiO₂ nanoparticle based thin films for application as photoactivated chemiresistors</i>
31	Beyer	<i>Semiconductor Nanoparticle-based Aerogels as Photoinduced Chemiresistors</i>
32	Schaefer	<i>Synthesis and Design of Anisotropic Ferrite Nanoparticles</i>
33	Krüger	<i>Sensitive Nanostructures - Trailblazing Advances in Smart Materials</i>
34	Morales	<i>Synthesis and properties of polymer-coated magnetic nanocrystal hydrogels</i>
35	Appiaris	<i>3d Metal Amide Nanoclusters: Synthesis, Characterization and Catalysis</i>
36	Weimer	<i>Size- and shape-controlled iron oxide nanocrystals for magneto-plasmonic and -fluorescent nanohybrids</i>
37	Sosniok	<i>DNA/miRNA sensing with FRET quenching of QDs in micro channels</i>
38	Weißpflog	<i>Non-Stoichiometric Cobalt Ferrite Nanoparticles by Green Hydrothermal Synthesis and their Potential for Hyperthermia Applications</i>
39	Mielke	<i>Chromatographic and Light-Activated Gas Sensors based on Nanoparticle Composites</i>
40	Schmidt	<i>Photocatalysis with 3D printed TiO₂/Au aerogels</i>
41	Schütz	<i>Polymeric Materials Based on (Magneto)-Plasmonic Nanoparticles in Thermo-Responsive Polymer Matrices</i>