

Materialforschungstag Mittelhessen 2019

5. Juni 2019, 09:00 – 16:30 Uhr

Hauptgebäude der Justus-Liebig-Universität Gießen

Ludwigstraße 23

Posterliste

Nr.	Name, Vorname	Institution	Poster-Titel
1	Adamkiewicz, Alexa	PU Marburg, FB Physik und WZMW, Surface Physics	Tip-Induced Chemical Reactions of Diethyl Ether and Tetrahydrofuran on Si(001)
2	Anders, Daniel	JLU Gießen, I. Physikalisches Institut	t.b.a.
3	Axt, Marleen	PU Marburg, FB Physik und WZMW, Surface Physics	Temperature Dependent SHG Pump-Probe Experiments on Two Dimensional Materials
4	Bakhonskyi, Vladyslav	JLU Gießen, Institut für Organische Chemie	NOHCs: The new highly nucleophilic carbenes
5	Beck, Giuliana	Verband der Mineralfarbenindustrie e. V.	Fachverband angewandte Photokatalyse – Zwischen Forschung, Normung, Politik und Produkt
6	Burkhardt, Simon	JLU Gießen, I. Physikalisches Institut	Correlating structural, optical and electrochemical properties of WO ₃ thin films
7	Celik, Erdogan	JLU Gießen, Zentrum für Materialforschung	Suppression of proton surface conductivity in porous yttria-stabilized zirconia by surface modification
8	Dues, Christof	JLU Gießen, Institut für Theoretische Physik	Linear and non-linear optical properties of adamantane- derived molecular clusters
9	Fabian, Alexander	JLU Gießen, Institut für Theoretische Physik	Ab initio calculations on the intrinsic spin hall effect
10	Fetoh, Ahmed	PU Marburg, FB Chemie und WZMW, Inorganic Chemistry	Photo-Activation of Single-Molecular-Magnet Behaviour in a Manganese-based Complex
11	Flade, Sebastian	PU Marburg, FB Physik und WZMW, Surface Physics	Identification of PEN-C ₆₀ Diels-Alder Cycloaddition Reaction Product
12	Förster, Melanie	PU Marburg, FB Chemie und WZMW, Physical Chemistry	AG-Poster
13	Friedrich, Markus S.	JLU Gießen, I. Physikalisches Institut	Electronic and ionic transport in single secondary NCM particles
14	Georg, Dewald	JLU Gießen, Physikalischem Chemisches Institut	Practical electrochemical stability of lithium solid electrolytes in Li-S cells
15	Giese, Hannes	JLU Gießen, I. Physikalisches Institut	Microstructuring of rf-sputtered VO ₂ thin films for improved transmittance properties
16	Griwatz, Jan	JLU Gießen, Institut für Organische Chemie	Flow-Assisted Synthesis of CPP Building Blocks
17	Guerra, Juan	JLU Gießen, Institut für Theoretische Physik	Ab initio electronic structure parameters of thermoelectric Mg ₂ X _{1-x} Y _x (X,Y=Si,Ge,Sn) substitutional alloys
18	Guschlbauer, Jannick	PU Marburg, FB Chemie und WZMW, Inorganic Chemistry	Chalcogenide-based Organic Salts Cat E-R (E = S, Se, Te; R = H, tBu, SiMe ₃) and metastable chalcogenide-based metalate compounds for the preparation of CIGS/CZTS materials

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19	Hasenbeck, Max	JLU Gießen, Institut für Organische Chemie	Metal-Free gem Selective Dimerization of Terminal Alkynes Enabled by Boron-Ligand-Cooperation
20	Heindl, Andreas	JLU Gießen, Institut für Organische Chemie	Tuning the Switching Properties of Macrocyclic Azobenzenes by Ring Strain
21	Henkel, Pascal	JLU Gießen, Physikalisch-Chemisches Institut	Density functional theory study of lithium-vacancy diffusion in various LIPON-structures
22	Holtgrewe, Kris	JLU Gießen, Institut für Theoretische Physik	Structure and electronic properties of antimonene layers on Bi ₂ Se ₃ interfaces
23	Ihle, Alexander	JLU Gießen, Institut für Angewandte Physik	Adsorption geometry of 2-iodotriphenylene on Ag(111)
24	Kang, Dayeon	PU Marburg, FB Physik und WZMW, Molecular Solid State Physics	Growth of Extended DNTT Fibers on Metal Substrates by Suppression of Step-Induced Nucleation
25	Konrad, Jennifer	JLU Gießen, Institut für Angewandte Physik	Temperature dependence of directional nanofriction on NaCl
26	Kraft, Marvin	JLU Gießen, Physikalisch-Chemisches Institut	Inducing High Ionic Conductivity in the Lithium Superionic Argyrodites Li _{6+x} P _{1-x} Ge _x S ₅ I
27	Krauskopf, Thorben	JLU Gießen, Physikalisch-Chemisches Institut	Elektrochemo-Mechanical Study of the Lithium Metal Anode on the Solid Electrolyte Li _{6.25} Al _{0.25} La ₃ Zr ₂ O ₁₂
28	Kriso, Christian	PU Marburg, FB Physik und WZMW, Semiconductor Photonics	Pump-dependent nonlinear optical properties of a VECSEL
29	Kröner, Marcel	PU Marburg, FB Physik und WZMW, Structure and Technology Research Laboratory	Monolithic Integrated Ga(NAsPSb) Laser on Silicon (001)
30	Kroth, Kathrin	JLU Gießen, I. Physikalisches Institut	Surface-enhanced Raman-spectroscopic study of spherical gold nanoparticle trimers
31	Kuhl, Florian	JLU Gießen, I. Physikalisches Institut	Thermochromic VO ₂ for planar THz devices
32	Länger, Christian	JLU Gießen, Institut für Angewandte Physik	Reaction of azides on bare and functionalized silicon surfaces
33	Langsdorf, Daniel	JLU Gießen, Physikalisch-Chemisches Institut	Protecting the Sodium Metal Anode with a Solid Electrolyte
34	Lapp, Tobias	PU Marburg, FB Physik und WZMW, Molecular Solid State Physics	Growth and Manipulation of Organic Single-Crystals for Opto-Electronics
35	Locke, Harald	JLU Gießen, Institut für Organische Chemie	New pi-stacking motifs for organic semiconductors
36	Loh, Lukas	Technische Hochschule Mittelhessen, Maschinenbau und Energietechnik	Direct methodology to determine cohesive traction from experimental data under mixed-mode I+III loading
37	Martin-Jimenez, Daniel	JLU Gießen, Institut für Angewandte Physik	Bond-level imaging of the 3D conformation of adsorbed organic molecules using AFM with simultaneous tunneling feedback
38	Maßmeyer, Oliver	PU Marburg, FB Physik und WZMW, Structure and Technology Research Laboratory	Real time mass spectrometric gas phase investigations during MOVPE
39	Meckbach, Lars	PU Marburg, FB Physik und WZMW, Theoretical Semiconductor Physics	Ultrafast band-gap renormalization and build-up of optical gain in TMDC monolayers
40	Michel, Fabian	JLU Gießen, I. Physikalisches Institut	Optimization and characterization of rf sputtered LiCoO ₂ cathodes
41	Miß, Vanessa	PU Marburg, FB Chemie und WZMW, Physical Chemistry	High Li ⁺ conductivity in the amorphous system 0,33 Lil + 0,66 (0,75 Li ₂ S + 0,25 P ₂ S ₅) after a short annealing

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42	Münster, Lasse	PU Marburg, FB Physik und WZMW, Surface Physics	Electron dynamics in MoS ₂ after resonant optical excitation probed with different light polarizations
43	Neugebauer, Nils	JLU Gießen, I. Physikalisches Institut	Magnetic coupling in ordered hierarchical structures of magnetite nanoparticles
44	Nier, Simon	PU Marburg, FB Chemie und WZMW, Inorganic Chemistry	Organotetrelchalcogenide clusters as molecular long-term data storage devices
45	Otto, Svenja	JLU Gießen, Physikalisch-Chemisches Institut	ToF-SIMS Study on Lithium Metal Electrodes
46	Perry-Saßmannshausen, Alexander	JLU Gießen, I. Physikalisches Institut	Photoionization and photofragmentation of singly charged positive and negative Sc ₃ N@C ₈₀ endohedral fullerene ions
47	Pieck, Fabian	PU Marburg, FB Chemie und WZMW, Theoretical Chemistry	Automated exploration of reaction networks for the chemical vapor deposition by density functional theory
48	Pompe, Constantin	JLU Gießen, Physikalisch-Chemisches Institut	3D-Structured Anodes for Zn-Oxygen Batteries
49	Prüfer, Jakob	Technische Hochschule Mittelhessen, NanoP / AG Nano	Compact Model for Threshold Voltage Shift in Short-Channel Staggered Organic Thin-Film Transistors
50	Renz, Diemo	PU Marburg, FB Chemie und WZMW, Physical Chemistry	Characterization on the nanoscale: Electrochemical strain microscopy (ESM) on electrode materials
51	Rost, Luise	PU Marburg, FB Physik und WZMW, Semiconductor Spectroscopy	Optical Properties of (Ga,In)As/GaAs/Ga(As,Sb) Type-II Heterostructures with modified interfaces
52	Rueß, Raffael	JLU Gießen, Institut für Angewandte Physik	Preparation of Mg _x Zn _{1-x} O nanoparticles through a wet chemical route for applications in optoelectronic devices: DSSCs
53	Ruhl, Julia	JLU Gießen, Institut für Organische Chemie	A Direct, Modular Synthesis of Benzodiazadiborines – (BN) ₂ Isosteres of Naphthalene
54	Schäfer-Richarz, Jonas	JLU Gießen, Institut für Theoretische Physik	Brillouin zone unfolding: Recovering information from supercell transmission maps
55	Schmalisch, Sebastian	JLU Gießen, Institut für Organische Chemie	From wood to batteries - Synthesis of vanillin-based organic redox flow battery materials
56	Schmandt, Christopher	Technische Hochschule Mittelhessen, Maschinenbau und Energietechnik	Effect of crack opening velocity on fracture behavior of hyperelastic semi-structural adhesive joints subjected to mode I loading
57	Schneider, Maximilian	PU Marburg, FB Physik und WZMW, Semiconductor Photonics	Enhancement of the Excitonic Photoluminescence in a WS ₂ -ML/Air/GaP In-Plane Microcavity
58	Schneider, Pascal	JLU Gießen, Institut für Angewandte Physik	Cluster-induced desorption/ionization mass spectrometry of non-polar molecules
59	Schulze, Julia	JLU Gießen, Physikalisch-Chemisches Institut	TEMPO functionalized mesoporous silica particles as a heterogeneous catalyst for flow catalysis
60	Schweitzer, Pascal	JLU Gießen, Institut für Angewandte Physik	Bisquinolylamide Metal Complexes for OFET
61	Simon, Fabian	JLU Gießen, Physikalisch-Chemisches Institut	Analysis of the Interface between Polymer and Thiophosphate Solid Electrolytes
62	Stallberg, Klaus	PU Marburg, FB Physik und WZMW, Surface Physics	Charge transfer at organic/metal interfaces probed with time-resolved photoelectron spectroscopy
63	Thussing, Sebastian	PU Marburg, FB Physik und WZMW, Surface Physics	Order-disorder phase transitions of NTCDA/Ag(111)
64	Wen, Wang	JLU Gießen, Institut für Angewandte Physik	Single Asperity Sliding Friction across the Superconducting Phase Transition

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65	Werner, Simon	PU Marburg, FB Chemie und WZMW, Inorganic Chemistry	Formation of Graphene Nanodots and Graphene Nanoribbons via Organometallic Intermediates
66	Weseloh, Maria	PU Marburg, FB Physik und WZMW, Theoretical Semiconductor Physics	Theoretical investigations of III-V laser materials
67	Widdascheck, Felix	PU Marburg, FB Physik und WZMW, Molecular Solid State Physics	Vacuum-Deposited Organic Monolayers Modify Work Functions of Noble Metal Electrodes
68	Widemann, Maximilian	PU Marburg, FB Physik und WZMW, Structure and Technology Research Laboratory	In-situ TEM VLS Growth Investigations of GaP Nanowires
69	Wilhelm, Mikko	PU Marburg, FB Physik und WZMW, Semiconductor Spectroscopy	Optoelectronic Interaction Between Colloidal Quantum Dots and Buried Quantum Wells
70	Yasseri, Mohammad	JLU Gießen, Institut für Anorganische und Analytische Chemie	Raman spectroscopic study of thermoelectric $Mg_2Si_{1-x}Sn_x$ solid solutions
71	Yilmaz, Kerim	Technische Hochschule Mittelhessen, NanoP / AG Nano	Equivalent Length Concept for Compact Modeling of Short-Channel GAA and DG MOSFETs
72	Zahnow, Julian	JLU Gießen, Physikalisch-Chemisches Institut	The influence of porosity, grain size and surface area on the conduction pathways in NCM-111