

Nanofair 2010 July 6-7, 2010 Dresden, Germany

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life sciences	A1	Haixia Zhou A. Sisson, D. Steinhilber, R. Haag	Freie Universität Berlin	Water soluble nanogels by cross linking reactions via Miniemulsion	Germany
	A2	Nicole Hauptmann D. Appelhans J. Wober, G. Vollmer, B. Voit	Leibniz Institute of Polymer Research Dresden	Estradiol-modified glycodendrimers: Biological behaviour towards estradiol-sensitive cells	Germany
	A3	Martin Mkandawire K. P. Kühn, R. Liebschner, S. Howitz, A. Groß, K. Ostermann, G. Rödel, W. Pompe	University of Technology Dresden, Institut für Werkstoffwissenschaften	Patterning of cells for whole cell-biosensor using nanoplotting technology	Germany
	A4	Myeong Lee S. Avdoshenko, W.-Y. Tu, R. Gutierrez, G. Cuniberti	Institute for Materials Science, University of Technology Dresden	Charge transport and dynamics in biomolecular systems	Germany
	A5	Ulrike Weinert T. Günther, K. Pollmann, J. Raff	Forschungszentrum Dresden-Rossendorf e. V.	S-layer based concept for the development of nano-structured biosensors	Germany
	A6	Annette Barchanski S. Petersen, C. Sehring, S. Barcikowski	Laser Zentrum Hannover e. V.	Customized design of gold nanomarkers using ultrashort pulsed lasers	Germany
	A7	Sabine Eiben D. Rothenstein, C. Wege, J. Bill, H. Jeske	Universität Stuttgart	Plant viruses as scaffold for structured oxide ceramics	Germany
	A8	Masoud Hafezi-Ardakani M. Rabiee, F. Moztarzadeh, A. R. Talebi, M. Abasi-shahni, L. Salari	Biomaterial Group, Faculty of Biomedical Engineering (Center of Excellence), Amirkabir University of Technology, Tehran	A study of Nano-structure apatite formation on synthesized Merwinite (Ca ₃ Mg(SiO ₄) ₂) as a bioceramic in simulated body fluid	Iran
	A9	Faranak Kaveian F. Moztarzadeh, M. Hafezi-Ardakani	Amirkabir University of Technology, Tehran	Content effect of synthesized nanocrystalline merwinite(Ca ₃ Mg(SiO ₄) ₂) on biodegradation of poly(lactic-co-glycolic acid)/merwinite composite scaffolds for tissue engineering	Iran

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materials / composites	A10	Meike König P. Uhlmann, S. Gupta, P. Formanek, F. Simon, M. Stamm	Leibniz Institute of Polymer Research Dresden (IPF)	Catalytically active nanocomposite surfaces of palladium and platinum nanoparticles in polymer brushes	Germany
	A11	Mohamed Darwish U. Kunz , U. Peuker , T. Turek	Institut für Chemische Verfahrenstechnik Technische Univ. Clausthal	Preparation of polymer supported Pt-catalysts on magnetic core/shell Fe-oxide polyvinylbenzyl chloride nanocomposites	Germany
	A12	Andreas Schwenke P. Wagener, H. Wiegel, A. Weiß, K. Klimenta, A. Loos, J. Fuhlrott, E. Sowa-Söhle, G. Brandes, S. Barcikowski	Laser Zentrum Hannover e.V.	Laser-based Generation of Metal Polymer Nanocomposites for Fabrication of Bioactive Medical Devices	Germany
	A13	A.V. Petrov N. A. Kalanda, L. I. Gurskii, K. A. Minin	Scientific-Practical Materials Research Centre of NAS Belarus	SYNTHESIS AND INVESTIGATIONS OF Pb(ZrxTi1-x)O3 STRUCTURES IN SWIFT HEAVY ION TRACKS	Belarus
	A14	Maryam Hosseini K. Dehghani	Amir Kabir University of Technology Department of metallurgy Engineering	Study the Corrosion Properties of Nanostructured Interstitial Free steel	Iran
	A15	Ignacio Garcia A. Ruiz de Luzuriaga, H. Grande, L. Jeandupeux, J. Charmet, E. Laux, H. Keppner, G. Cabañero	CIDETEC-IK4 - Centro de Tecnologías Electroquímicas	Modified Magnetic Nanoparticles As New Way To Develop Parylene Nanocomposites	Spain
	A16	René Spiertz S. Mendrek, K. Peter, M. Möller	RWTH Aachen e.V.	Development of catalytically active inorganic nanocomposites by in-situ reaction of silica and metallic precursors templated by a self-assembled block copolymer system	Germany
	A17	Hsu-Kai Chang S.-C. Lee	National Taiwan University	Low temperature synthesis of one-dimensional tube-like Ge nanostructures	Taiwan
	A18	Jan U. Wieneke O. Gaer, D. R. Abad, S. Hardt, G. Brosig, H. Wiggers, C. Schulz, M. Ulbricht	Lehrstuhl für Technische Chemie II, Universität Duisburg-Essen	Nanocomposites based on titanium dioxide for use as precursors for advanced graphites	Germany

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materials / CNT	B1	Marc Leparoux C. Bradbury, M. Rodriguez-Arbaizar, E. Carreño-Morelli, L. Kollo, J. Gomon	EMPA - Materials Science & Technology Laboratory for Advanced Materials Processing	STRENGTHENING OF ALUMINIUM WITH DISPERSED NANOPARTICULATE MATERIALS BY HIGH-ENERGY MILLING	Switzerland
	B2	Denise Langheinrich S. Dörfler, H. Althues, A. Lasagni	University of Technology Dresden, Institut für Laser- und Oberflächentechnik	Synthesis and 3d-structuring of vertical aligned carbon nanotubes	Germany
	B3	Holger Althues	Fraunhofer IWS	Integration of transparent conductive CNT thin films in polymer surfaces	Germany
	B4	Jürgen Pionteck F. Piana, U. Schulze, M. Omastová	Leibniz-Institut für Polymerforschung Dresden e.V.	MODIFICATION OF THE ELECTRICAL PROPERTIES OF PP AND TPU BY MODIFIED EXPANDED GRAPHITES (EGS)	Germany
	B5	Martina Toufarová L. Vyšín	Institute of Physics	EROSION OF FULLERENES AND AMORPHOUS CARBON EXPOSED TO MULTIPLE PULSES OF EXTREME ULTRAVIOLET RADIATION	Czech Republic
	B6	Michael Thomas Müller B. Krause, P. Pötschke	Leibniz-Institut für Polymerforschung Dresden e. V.	NANOCOMPOSITES BASED ON LDPE: THE USE OF A HYBRID FILLER SYSTEM CONTAINING TALC AND CNT	Germany
	B7	Mikhail Popov E. Tatyatin, Ph. Vysikaylo, S. Buga, V. Denisov, A. Kirichenko, G. Pivovarov, V. Kulbacinskii, V. Kytin, V. Blank	Technological Inst. for Superhard and Novel Carbon Materials	C60-modified and nanostructured Bi ₂ Te ₃ thermoelectrics	Russia
	B8	Elnaz Ketabchi	Informatic Center, University of Tehran	Szeged polynomial of Pentagonal nanohorns	Iran
	B9	Hassan Yousefi-Azari	School of Mathematics, Statistics and Computer Science, University of Tehran	hyper-Wiener polynomial of Pentagonal nanohorns	Iran

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materials / CNT	B10	Balram Tripathi A. Sharma, K. Awasthi, V. Kulshreshtha, S. Kumar, M. Singh, Y. K. Vijay	University of Rajasthan, Jaipur	MWNT/ poly-(methyl methacrylate) nanocomposites for dramatic property improvement	India
	B11	Silke Hampel D. Haase, M. Arlt, K. Kraemer, A. Leonhardt, S. Oswald, M. Ritschel, A. Bachmatiuk, B. Buechner	Leibniz-Institute for Solid State and Materials Research (IFW) Dresden	Time-delayed release of the cytostatic Carboplatin from Multiwalled Carbon Nanotubes	Germany
	B12	Silke Hampel D. Haase, T. Hutsch, M. Ritschel, A. Leonhardt, T. Weissgaerber, B. Buechner, B. Kieback	Leibniz-Institute for Solid State and Materials Research (IFW) Dresden	Functionalised CNT for the development of mechanical highly stressable metals	Germany
	B13	Christian König C. Martínez, M. Maier, D. Nemeč, I. Kolaric	Fraunhofer Institut für Produktionstechnik und Automatisierung (IPA)	RHEOLOGICAL IMPACT OF NANO-SIZE FILLERS IN POLYCARBONATE	Germany
	B14	Jens Kunstmann S. Mandati, F. Börrnert, R. Schönfelder, M. Rummeli, K. K. Karb, G. Cuniberti	Institute for Materials Science and Max Bergmann Center of Biomaterials, University of Technology Dresden	Understanding the growth mechanism of carbon nanotubes via the "cluster volume to surface area" model	Germany
	B15	Wu Li H. Sevinçli, S. Roche, G. Cuniberti	Institute for Materials Science and Max Bergmann Center of Biomaterials, University of Technology Dresden	Enhanced thermoelectric figure of merit in disordered carbon systems	Germany
energy	B16	Benjamin Schumm H. Althues, S. Kaskel	University of Technology Dresden, Institut für Anorganische Chemie	Close Spaced Sublimation of CdTe Nanoparticles for CdTe solar cell absorber layers	Germany
	B17	Manuel Zschintzsch N. M. Jeutter, J. von Borany, A. Mücklich, C. Sahle	Forschungszentrum Dresden-Rossendorf	Confined Ge nanocrystals in an oxide matrix for multiple bandgap solar cells	Germany
	B18	Elena Lopez	University of Technology Dresden, Institut für Laser- und Oberflächentechnik	Plasma etching of SnO ₂ :F films at atmospheric pressure for silicon thin film solar cells	Germany

materials / generally

Category	No	Authors	Company	Title	Country
	C1	Daijiro Nozaki G. Cuniberti	Institute for Materials Science, University of Technology Dresden	Molecular switches in silicon-organic molecule interface	Germany
	C2	Sebastian Radke C. Gollub, S. Avdoshenko, R. Gutiérrez, G. Cuniberti	Institute for Materials Science and Max Bergmann Center of Biomaterials, University of Technology Dresden	Hole transport characteristics of pentacene studied with Green functions and real-time propagation	Germany
	C3	Michal Vanicek	Elmarco s.r.o.	Electrospun Nanofibers – The Tiny Layers that Add Great Value to Nonwovens	Czech Republic
	C4	Volker Brüser J. Schomburg, C. Walter, K.-D. Weltmann	INP Greifswald e.V.	Plasma surface modification of nano sized Halloysite	Germany
	C5	Jan Pospiech A. Korbel	Institut of Metallurgy and Materials Science PAN	STRUCTURE AND TEXTURE CHARACTERISTICS OF AZ31 MAGNESIUM ALLOY AFTER HEAVY DEFORMATION AT ROOM TEMPERATURE	Poland
	C6	Klara Rusevova A. Georgi, F.-D. Kopinke	Helmholtz Centre for Environmental Research	IRON-BASED NANOPARTICLES CATALYSTS FOR OXIDATION OF POLLUTANTS IN WATER	Germany
	C7	E. Yu. Kaniukov S. E. Demyanov, A. V. Petrov, C. Trautmann	Scientific-Practical Materials Research Centre of the National Academy of Sciences of Belarus, Minsk, Belarus	CHARACTERISTIC FEATURES OF CHARGE TRANSPORT PROCESSES IN Si/SiO ₂ /Ni NANOSTRUCTURES WITH SWIFT HEAVY ION TRACKS	Belarus
	C8	Allen Reid	NANOGAP SUB-NM-POWDERS, Milladoiro, Ames, Spain	Silver Nanofibres for Conductive Composites, Coatings and Adhesives	Spain
	C9	Arkadiy Bessarabov N. Menshutina, M. Ivanov, A. Kochetygov	The State Scientific-Research Institute of Chemical Reagents and High Purity Substances (IREA)	PLASMACHEMICAL SYNTHESIS OF HIGH PURITY NANODISPERSE OXIDES	Russia
	C10	P. Wollmann J. Grothe, S. Kaskel	University of Technology Dresden, Institut für Anorganische Chemie	Bi ₂ MoO ₆ - and Bi ₂ WO ₆ - nanocomposites with high transparency and particle content	Germany
	C11	Maria Giovanna Buonomenna G.Golemme, M.P. De Santo, A.Figoli, F.Galiano, J.C. Jansen	ITM-CNR University of Calabria	Styrene-butadiene-styrene (SBS) membranes: effect of their nanostructures on pervaporation performance for ethanol/water separation	Italia

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	C13	Stephan Schulz S. Heimann, M. Schwartz, A. Weber	Universität Duisburg-Essen	Novel organometallic precursors for the synthesis of nanoscale Sb- and Bicontaining materials by solution-based and gas phase-based processes	Germany
	C14	Gudrun Petzold S. Schwarz, W. Jaeger	Leibniz-Institut für Polymerforschung Dresden e.V.	POLYMER-BASED AEROSIL (SILICA) DISPERSIONS - IMPROVING THE DISPERSION STABILITY BY POLYCATIONS	Germany
	C15	Anja Rollberg M. Gnauck, P. Uhlmann, M. Stamm	Leibniz Institute of Polymer Research Dresden	Synthesis and application of innovative switchable core-shell-nanoparticles	Germany
	C16	Mandy Mende S. Schwarz, S. Zschoche, G. Petzold, K.-F. Arndt	Leibniz-Institut für Polymerforschung Dresden e.V.	COLLOIDAL DISPERSION OF ORGANIC NANOPARTICLES	Germany
	C17	Mandy Gnauck A. Rollberg, M. Messerschmidt, P. Uhlmann, M. Stamm	Leibniz Institute of Polymer Research Dresden	NOVEL SYNTHESIS OF SWITCHABLE POLYMER BRUSHES BY CONTROLLED RADICAL POLYMERISATION	Germany
	C18	Elham Feyz Y. Jahani, M. Esfandeh	Polymer and Petrochemical Institute	Comparison of the Effect of Nanoclay, Halogen Free Flame Retardant and Their Hybrid on Thermal Stability and Degradation Kinetic of PC/ABS Blends	Iran
	C19	Theo Kaiser	rent a scientist GmbH	AgPURE™ - Nano silver additives for bioactive or electrical conductive products	Germany
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C21		Ralph Schmittgens M. Wolf, E. Schultheiss	University of Technology Dresden, Institut für Festkörperelektronik Fraunhofer FEP	A new plasma coating system for large area deposition of nanocomposite thin films	Germany
C22		K. Latha M. Goyal, M. Jassal, A. K. Agrawal	Indian Institute of Technology	Preparation of nylon6/nanoclay composite fibers and the effects of processing conditions	India
C23		Christian Walter V. Brüser, K-D.Weltmann	Leibniz Institute for Plasma Science and Technology (INP), Greifswald	Structural investigations of metal-polypyrrole nanocomposites produced with a dual plasma process	Germany

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m	C24	Aleksey Kryukov	Perm State Technical University (PSTU), Perm, Russia	NEW TECHNOLOGY OF ULTRAFINE OXIDES AND NITRIDES MANUFACTURE: AN APPLICATION OF PROCESSES OF BURNING OF METAL POWDERS GAS-SUSPENSIONS	Russia

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surfaces	D1	Michael Körner M. O. Liedke, T. Strache, S. Dzenisevich, A. Keller, S. Facsko, K. Lenz, J. Fassbender	Forschungszentrum Dresden-Rossendorf e. V.	Tailoring the Magnetic Coupling of Fe/Cr/Fe Trilayers by Using Substrates with Nanometer Scale Ripples	Germany
	D2	David Ball M. O. Liedke, K. Lenz, R. Yilgin, M. Fritzsche, A. Keller, S. Facsko, J. Fassbender	Forschungszentrum Dresden-Rossendorf e. V.	Magnetic Anisotropy and Damping Parameters of Thin Magnetic Films on Nanometer Scale Si Ripples	Germany
	D3	Mukesh Ranjan T. W. H. Oates, S. Facsko	Forschungszentrum Dresden-Rossendorf e. V.	SELF-ALIGNED METAL NANOPARTICLES AND NANOWIRES GROWN ON RIPPLE TEMPLATES	Germany
	D4	Amit Kumar Roy W. Baumann, I. König, S. Schulze, M. Hietschold, T. Mäder, D. J. Nestler, B. Wielage, W. A. Goedel	TU Chemnitz Department of Physical Chemistry	Atomic Layer Deposition of Nanoscaled Alumina onto Carbon Fibers	Germany
	D5	Susann Ebert S. Jahn, L. Engisch, R. R. Baumann, W. A. Goedel	Technische Universität Chemnitz	HIERARCHICALLY STRUCTURED MICROSIEVES PREPARED VIA A COMBINATION OF PARTICLE-ASSISTED WETTING AN INKJET PRINTING	Germany
	D6	Georg Dietrich P. Gawlitza, S. Braun, A. Leson	Fraunhofer IWS	REACTIVE NANOSCALED MULTILAYERS FOR HIGH-PRECISION JOINING	Germany
	D7	Ekaterina Svetushkina C. Hase, L. Ionov, M. Stamm, A. Synytska	Leibniz Institute of Polymer Research Dresden	Nano- and Microstructured Intelligent Surfaces with Responsive Adhesion Properties	Germany
	D8	Annemarie Magerl W. A. Goedel	Physikalische Chemie, TU Chemnitz	Hierarchical Microsieves: A Combination of Particle AssistedWetting and SelectivelyWetted Surfaces	Germany
	D9	A. Klausch S. Kaskel	University of Technology Dresden, Institut für Anorganische Chemie	Preparation of YVO4:Eu thin films as red-emitting phosphor layers	Germany
	D10	Dachepalli Ravinder	Osmania University, Saifabad-Hyderabad	PULSED LASER DEPOSITION OF NANO-STRUCTURAL Li-Zn FILMS	India
electronics	D11	Andre Striegler B. Koehler, H. Heuer, M. Kopycinka-Müller, C. Enkrich, A. Ulrich	University of Technology Dresden	Nanoscale characterization of photomasks by use of atomic force acoustic microscopy	Germany
	D12	Hadi Mousavi H. Haratizadeh	Shahrood University of Technology	Synthesis and Optical Investigation of Aluminum Nitride Nanotips Using Electrical Furnace	Iran

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electronics	E1	Jan Paul S. Riedel, S. Wege, V. Beyer, P. Kücher	Fraunhofer-Center Nanoelektronische Technologien (CNT)	Patterning of deep silicon trenches using a novel hard mask concept with ultra-thin E-Beam resist	Germany
	E2	Agata Masalska P. Paletko, T. Gotszalk, G. Schroeder	Wroclaw University of Technology	Investigation of patterned silane self-assembled monolayers as a surface for microsystem based biosensor applications	Poland
	E3	Jan Lehmann L. Rebohle, A. Kanjilal, M. Voelskow, M. Helm, W. Skorupa	Forschungszentrum Dresden- Rossendorf e. V.	Investigation of wear-out phenomena in Eu-implanted MOSLED's	Germany
	E4	Henry Wojcik R. Kaltofen, U. Merkel, C. Krien, S. Strehle, J. Gluch, M. Knaut, R. Liske, C. Wenzel, J. W. Bartha	University of Technology Dresden	Evaluation of novel Ru-W(-N) films as Cu diffusion barriers for sub 32nm BEOL technology	Germany
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	E6	Martin Knaut M. Geidel, M. Krause, M. Albert, J. W. Bartha	University of Technology Dresden	Ultra-thin AlxTi1-xOy films deposited by atomic layer deposition for DRAM capacitors and quantum devices	Germany
	E7	Holger von Wenckstern M. Lange, C.P. Dietrich, M. Brandt, G. Zimmermann, M. Lorenz, M. Grundmann	Universität Leipzig	Transport properties of ZnO nano- and microwires	Germany
	E8	Eduard Zenkevich T. Blaudeck, D. Kowerko, F. Cichos, C. von Borczyskowski	Department of Information Technologies and Robototechnology National Technical University of Belarus	QUANTUM DOT CdSe/ZnS-ORGANIC LIGAND» FUNCTIONAL NANOCOMPOSITES: EXCITED STATES RELAXATION DYNAMICS AND APPLICATIONS IN NANOBIOSENSING	Belarus
	E9	Tim Baldauf R. Illgen, S. Flachowsky, T. Herrmann, T. Feudel, J. Höntschel, M. Horstmann, W. Klix, R. Stenzel	Hochschule für Technik und Wirtschaft Dresden	Optimization of stressor overlayer parameters for MOSFET's in "Cool Silicon" - Technologies	Germany
	E10	Sven Niese M. Hecker, R. Liske, Y. Ritz, E. Zschech, H. Wojcik, J. Bartha, Z. Wu, P. Ho	Fraunhofer Institute for Non- Destructive Testing IZFP Dresden branch	Assessment of mechanical properties of film interfaces and nanoscale structures for microprocessor manufacturing	Germany
	E11	Thomas Henke C. Hossbach, S. Strehle, M. Knaut, M. Bertram, M. Albert, J.W. Bartha, J. Gluch, J. Gatineau, A. Zauner, J. Neidhardt	University of Technology Dresden	Atomic layer deposition of iridium thin films using Ir(EtCp)(COD) and oxygen	Germany
	E12	Kathrin Estel U. Künzelmann, J. W. Bartha, E.-P. Mayer, H. Barthel	University of Technology Dresden	Influence of Ionic Strengths and pH-Values of Model-Slurries for Chemical Mechanical Silicon Dioxide Polishing with different Nanodispersed Pure Silica Suspensions	Germany

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analytics	F1	Reiner Dietsch T. Holz, M. Kraemer, D. Weissbach	AXO Dresden GmbH	GRADED MULTILAYERS – FUNCTIONALIZED STRUCTURES FOR APPLICATIONS AS POLARIZERS AND ENERGY BANDPASSES	Germany
	F2	Markus Krämer R. Dietsch, D. Weißbach, G. Falkenberg, R. Simon, U. Fittschen, T. Krugmann	AXO Dresden GmbH	MULTI-ELEMENT ULTRATHIN FILMS – REFERENCE SAMPLES FOR μ -XRF AND TXRF	Germany
	F3	Michael Kopnarski A. Brodyanski, S. Blomeier, W. Bock, H. Gnaser, B. Hillebrands, B. Reuscher	Institut für Oberflächen- und Schichtanalytik IFOS	Ion-beam implantation of Ga in magnetic Fe/Cr/Fe trilayers: the influence of ion channeling on energy dissipation, sputtering and crystal structure recovery	Germany
	F4	Jörg Bolze D. Beckers, V. Kogan	PANalytical	Analysis of nanoparticles, nanocomposites and nanosized pores by small-angle X-ray scattering on a multi-purpose X-ray diffractometer platform	The Netherlands
	F5	Roland Winkler H. Rothe	Helmut-Schmidt-Universität Institut für Automatisierungstechnik	Nanometer Coordinate Measuring Machine (NCMM)	Germany
	F6	Hanno Wachernig U. Mantica	Particle Metrix GmbH	A NEW METHOD TO DETERMINE IONIC SURFACE CHARGE DENSITY OF CONCENTRATED NANO-DISPERSIONS	Germany
materials / modelling	G1	Andreas M. Zoll W. P. Weinhold	Innowep GmbH	In-situ microtribology in the nano and micro scale	Germany
	G2	Jaromír Pištora M. Lesňák	Institute of Physics VSB-Technical University of Ostrava	Effect of magneto-optical layers on surface plasmon resonance structure response	Czech Republic
	G3	Roland Gärtner R. Backofen, F. Bernal, A. Voigt, Y.-M.Yu	University of Technology Dresden, Institute of scientific computing	Atomistic simulations on diffusive time scales – the phasefieldcrystal model as a new simulation tool for nanomaterials	Germany
	G4	Witold Jacak J. Krasnyj, J. Jacak, L. Jacak	Institute of Physics, Wrocław University of Technology	Surface and volume plasmons in metallic nanospheres in semi-classical RPA-type approach; near field coupling of surface plasmons with semiconductor substrate	Poland
	G5	Caroline Gollub S. Avdoshenko, R. Gutierrez, G. Cuniberti	Institute for Materials Science and Max Bergmann Center of Biomaterials, University of Technology Dresden	Ab initio based modeling of charge migration in organic semiconductor materials	Germany
	G6	Teja Roch A. Lasagni	University of Technology Dresden	Direct laser interference patterning of tetrahedral amorphous carbon thin films	Germany

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network and diverse	H1	Alina Leson M. Franke, C. Schulz, A. Lorke	CeNIDE - Center for Nanointegration Duisburg-Essen	CeNIDE - Center for Nanointegration Duisburg-Essen	Germany
	H2	Alina Leson	Center for Nanointegration Duisburg-Essen,	NanoEnergyTechnologyCenter	Germany
	H3	Tim Huelser M. Spree, H. Wiggers, C. Schulz	Institut für Energie- und Umwelttechnik e. V. (IUTA)	GAS PHASE SYNTHESIS OF HIGHLY SPECIFIC SILICON NANOPARTICLES ON THE PILOT PLANT SCALE	Germany
	H4	Hikaru Kobayashi T. Matsumoto, W.-B. Kim, M. Takahashi	Institute of Scientific and Industrial Research, Osaka University, and CREST, Japan Science and Technology Agency	New chemical methods for improving Si solar cell characteristics	Japan
	H5	Nima Es'haghi Gorji H. Movla, F. Sohrabi	Technical and Engineering Faculty of Bonab	Quantum Dots size dispersion effect on the efficiency of intermediate band solar cells	Iran
	H6	Mahdi Rahaie M. R. Naghavi, B. Babić, D. Krassen	Faculty of Agriculture, University of Tehran, Karaj, Iran	A Novel Nanobiostructure for Single Molecule Detection purposes	Iran