

Surname/Name	Affiliation	Abstract title	Topic/oral/poster
Akbulut Hatem	Sakarya University, Engineering Faculty, Sakarya,Turkey	Advanced Nanocomposite Anode Materials For Li Batteries: Preparation and Characterization	2_O_invited
Cada Michael	Dalhousie University, Halifax, Canada	Single-Photon Nanophotonics	2_O_invited
Cendrowski Krzysztof	West Pomeranian University of Technology, Szczecin, Institute of Chemical and Environment Engineering, Szczecin, Poland	Transmission electron microscope analysis of different silica, carbon, iron oxide nanomaterials whit potential application in fields of microbiology and environmental science	3_O_invited
Madejová Jana	Institute of Inorganic Chemistry, Slovak Academy of Sciences, Bratislava, Slovakia	Near-IR spectroscopy in the organo-clays studies	1_O_invited
Mijowska Ewa	West Pomeranian University of Technology, Szczecin, Institute of Chemical and Environment Engineering, Szczecin, Poland	Magnetic Silica Nanotubes - Synthesis, Drug Release, and Feasibility for Magnetic Hyperthermia	4_O_invited
Rawat Banmali S.	Department of Electrical and Biomedical Engineering, University of Nevada, Reno, U.S.A.	Analysis of parabolic gold nano optical antenna for high directivity applications	2_O_invited
Tessmer Stuart	Michigan State University, Department of Physics and Astronomy, Michigan, USA	Probing the quantum levels of individual semiconductor impurities	2_O_invited
Xie Xiaofeng	Tsinghua University in Beijing, China	Nano-oxide modified graphite felt for all vanadium flow redox battery	4_O_invited
Babin Mar	INIA, Spain	Ecotoxicological evaluation of leachates of sewage sludge contaminated with ZnO nanoparticles	3_P
Bačovská Radka	Department of Chemistry, Masaryk University, Brno, Czech Republic	Synthesis and potential application of phosphazene derivatives	4_O
Bizovská Valéria	Institute of Inorganic Chemistry, Slovak Academy of Sciences, Bratislava, Slovakia	IR study of the octylammonium cations intercalation into montmorillonite	5_P
Blažek Dalibor	Nanotechnology Centre, VŠB-TU Ostrava, Ostrava, Czech Republic	Impact of plastically deformed steel surface on magnetic measurements	4_O

Boháč Peter	Institute of Inorganic Chemistry, Slovak Academy of Science, Bratislava, Slovakia	One – and two-step resonance energy transfer between cyanine dyes in layered silicates colloidal systems	4_P
Bukáčková Marta	Nanotechnology Centre, VŠB-TU Ostrava, Ostrava, Czech Republic	ZnO and CuO / vermiculitenanocomposites for medicine applications	4_P
Bukovina Michal	University of Žilina, Faculty of Mechanical Engineering, Žilina, Slovakia	Influence of the microstructural parts interaction on the electrochemical properties of Mg-Al-Zn alloys	4_O
Cetinkaya Tugrul	Sakarya University, Engineering Faculty, Sakarya, Turkey	Silicon/Nickel core-shell negative electrodes using electroless process for li-ion batteries	2_O
Chernetskyi Ivan	Ural Federal University, Russia	Features the introduction of additives nanopowder Al₂O₃ in the production of ceramic materials based YSZ	2_P
Cihlářová Michaela	Nanotechnology Centre, VŠB-TU Ostrava, Ostrava, Czech Republic	The influence of ionic strength on stability photoactive composite TiO₂/kaolinite	4_P
Czímerová Adriana	Institute of Inorganic Chemistry, Slovak Academy of Science, Bratislava, Slovak Republic	Resonance energy transfer in the systems based on layered silicates and laser dyes	4_P
Čapek Libor	University of Pardubice, Faculty of Chemical Technology, Pardubice, Czech Republic	Utilization of Diffuse reflectance spectroscopy in the characterization of photocatalysts	6_O
Čapková Pavla	Nanotechnology Centre, VŠB-TU Ostrava, Czech Republic; and Faculty of Science, University of J.E. Purkyně, Usti nad Labem, Czech Republic	Structure, conductivity and optical properties of polyaniline thin films	5_P
Čeklovský Alexander	Institute of Inorganic Chemistry, Slovak Academy of Sciences, Bratislava, Slovakia	Clay/porphyrin based optical oxygen sensors	4_P
Čuchorová M.	Department of Galenic pharmacy, Faculty of pharmacy, Comenius University, Bratislava, Slovakia	Influence of microemulsion on the release of terbinafine hydrochloride from xanthan gum gel	3_P
Doležalová Hana	Nanotechnology Centre, VŠB-TU Ostrava, Ostrava, Czech Republic	Characterization methods of metal-based particles in human amniotic fluids	3_P
Dubec Jaroslav	Faculty of Mechanical Engineering, University of Žilina, Slovakia	Influence of flank wear on plastic deformation after turning via Barkhausen noise technique	4_P
Dutko Ondřej	Nanotechnology Centre, VŠB-TU Ostrava, Ostrava, Czech Republic	Adsorption of substituted aromatics from aqueous solutions by multi walled carbon nanotubes	3_P

Dvorský Richard	Department of Physics, VŠB-TU Ostrava, Ostrava, Czech Republic	Synthesis and Properties of Laminar Aggregates of Globular Fullerite Nanoparticles	4_P
Emin Saim	Materials Research Laboratory, University of Nova Gorica, Slovenia	A novel route for electrodeposition of CuCl and CuBr thin films and their conversion to textured porous CuO. Photoelectrochemical studies	4_P
Faltýnková Lenka	Nanotechnology Centre, VŠB-TU Ostrava, Ostrava, Czech Republic	Removing toxic ions by TiO₂ composite nanomaterial	3_P
Foda Mohamed	State Key Laboratory of Agricultural Microbiology, Huazhong Agricultural University, Wuhan, P.R. China and Central Key Laboratory of Biochemistry, Faculty of Agriculture, Benha University, Egypt	Effective silica coating strategy on hydrophobic quantum dots toward sensitive biological imaging and labeling detection	2_O
Hadzima Branislav	University of Žilina, Faculty of Mechanical Engineering, Žilina, Slovakia	Electrodeposition of the calcium phosphate coatings on the Mg-Al-Zn alloys surfaces	4_O
Hajmohammadi Monir	Department of Chemistry, Ardabil Branch, Islamic Azad university, Ardabil, Iran	Synthesis, and purification of Nano (Na)[⁵⁷Fe(CN)₅NO]	2_P
Halagačka Lukáš	Department of Physics, VŠB-TU Ostrava, Ostrava, Czech Republic	Muller matrix ellipsometry of 1D periodic nanostructures with non-reciprocal optical response	2_O
Halámek Jan	Department of Chemistry and Biomolecular Science, Clarkson University, Potsdam, NY, USA	Bioelectronics and bionanotechnology From novel concepts towards practical applications	3_O
Haluzíková Barbora	1RMTVC, Faculty of Metallurgy and Materials Engineering; 2 Institute of Physics, Faculty of Mining and Geology, VSB – TU Ostrava, Ostrava, Czech Republic	Physico-mechanical properties and electrical conductivity of the conductive plastic	1_P
Hlaváč Dominik	IT4Innovations, Centre of Excellence, VŠB-TU Ostrava, Czech Republic; Nanotechnology Centre, VŠB-TU Ostrava, Czech Republic	Molecular modeling of PANI thin film on glass substrate	1_P
Ho Yee Man	Nano and Advanced Materials Institute Limited, Hong Kong	Fabrication of Chitosan scaffolds as multifunctional household water filtering media by lyophilization method	3_P
Holešová Sylva	IT4Innovations, Centre of Excellence, VŠB-TU Ostrava, Czech Republic; Nanotechnology Centre, VŠB-TU Ostrava, Czech Republic	Antibacterial properties of chlorhexidine/urea/kaolinite nanocomposites	5_P
Hundáková Marianna	IT4Innovations, Centre of Excellence, VŠB-TU Ostrava, Czech Republic; Nanotechnology Centre, VŠB-TU Ostrava, Czech Republic	Antibacterial effect of Ag, Cu–vermiculite filler in polyethylene	2_P
Javadi H. Amir	Department of Materials Engineering, Science and Research Branch, Islamic Azad University, Tehran, Iran	Well dispersion of MWCNTs within Al based matrix by controlling ball movement	2_O

Kalivoda Pavel	Nanotechnology Centre, VŠB-TU Ostrava, Czech Republic	The surface properties of antibacterial nanomaterials	4_P
Kamimura Hanay	NanOLaB, Federal University of São Carlos, Brazil,	Back-to-back Schottky barriers model applied to Zn3P2 nanowire	2_P
Klenushkin Anatoly	Southern Federal University, Russian Federation	Iron-containing composite cathode materials	4_P
Klym Halyna	Lviv Polytechnic National University, Lviv, Ukraine	Multilayer nanostructured thick-film structures for integrated sensors application	2_P
Kulhánková Lenka	Faculty of Metallurgy and Materials Engineering, VŠB-TU Ostrava, Czech Republic	Study of a load sensor based on polyaniline / phyllosilicate matrix	4_P
Kušnerová Milena	Institute of Physics, VŠB - TU Ostrava, Czech Republic	Identification of Stress - Deformation States in a Newly Created Material Produced by ECAP Technology	1_P
Lang Jaroslav	Nanotechnology Centre, VŠB – T U Ostrava, Czech Republic	TITANIUM DIOXIDE NANOPARTICLES PREPARED USING TIOSO₄ PRECURSOR	2_P
Łukaszczuk Pawel	West Pomeranian University of Technology, Institute of Chemical and Environment Engineering, Szczecin Poland	Comparative study on the nanotubes decorated with metal nanoparticles via different synthesis methods	2_P
Mamulová Kutláková Kateřina	Nanotechnology Centre, VŠB-TU Ostrava, Czech Republic	Characterization of historical coins by X-ray powder diffraction analysis	1_P
Matějka Vlastimil	Nanotechnology Centre, VŠB-TU Ostrava, Czech Republic	EFFECT OF KAOLINITE EXFOLIATION ON THE PHOTOCATALYTIC PROPERTIES OF KAOLINITE/TIO₂ COMPOSITE	4_P
		Sol-gel derived Au-enriched TiO₂ and TiO₂-ZrO₂ photocatalysts and their examination in photocatalytic reduction of carbon dioxide	3_P
Matějová Lenka	Nanotechnology Centre, VŠB-TU Ostrava, Czech Republic	Pressurized and supercritical fluids as a tool for preparation of nanostructured materials	6_O
Matysíková Jana	ASIO, spol. s r.o., Czech Republic	Metal finishing wastewater treatment by zerovalent iron nanoparticles	3_P
Megiel Elżbieta	Faculty of Chemistry, University of Warsaw, Warsaw, Poland	One-Phase Synthesis of TEMPO Coated Silver Nanoparticles	1_P

Mi Ran	Key Laboratory of Carbon Fiber and Functional Polymers, Beijing University of Chemical Technology, Beijing, China	Processing, microstructure and mechanical properties of PA1010/kaolinite nanocomposites	5_O
Michalska Monika	Institute of Electronic Materials Technology, Warsaw, Poland	Structural and electrochemical studies on Li₄Ti₅O₁₂ spinel decorated by Ag nanoparticles	2_O
Mijowska Sylwia	Faculty of Civil Engineering and Architecture, West Pomeranian University of Technology, Szczecin, Poland	Improvement of the capacity retention of LiMn₂O₄ by ceramic coatings	2_P
Mikeska Marcel	Institut of the Environmental Engineering, VŠB-TU Ostrava, Czech Republic	Nanocomposite of cement paste/graphene oxide - hydratation kinetics and early age response with AFM	4_P
Mucha Martin	Department of Chemistry, Faculty of Science, University of Ostrava	Nanoparticle Determination in real Soil, Road Dust and Sludge in the Environment	3_P
Neslušan Miroslav	Faculty of Mechanical Engineering, University of Žilina, Slovakia	Preparation of magnetic bentonite	5_P
Nesrullajev Arif	Muğla Sıtkı Koçman University, Turkey	Micromagnetic evaluation of surfaces after grinding	4_O
Neuwirthová Lucie	Nanotechnology Centre, VŠB-TU Ostrava, Czech Republic	Shape, sizes, anisometricity and volumes of nanoparticle supramolecular aggregates in lyotropic liquid crystalline	2_P
Onishimcuk Vitalyi	Institute of Applied Problems of Mechanics and Mathematics NASU, Ukraine	Investigations of chiral structure in new smectogenic salicylaldimine liquid crystals nematic mesophases	5_P
Otipka Petr	Deptment of Mathematics and Descriptive Geometry, VŠB-TU Ostrava, Czech Republic	CONDUCTIVITY OF PANI AND PANI/MMT PELLETS IN DEPENCE ON THE HIGH PRESSURE	2_P
Pazourková Lenka	Nanotechnology Centre, VŠB-TU Ostrava, Czech Republic	Photoluminescence of ZnO naopowders after laser shockwave treatment	2_P
Petkova Alexandrova Galina	Nanotechnology Centre, VŠB-TU Ostrava, Czech Republic	Image statistical processing as a tool to nano-structured medium identification	1_P
		Mechano- and solvo-chemical methods for hydroxyapatite nanostructures preparation	4_P
		Nanoparticles and their application in enzymatic chiral transformations for drug development	6_O

Piotrowski Piotr	Faculty of Chemistry, University of Warsaw	Synthesis of thioacetate-derivatized C₆₀ fullerenes aimed to obtain fullerene-gold nanomaterial composites	1_P
Plachá Daniela	Nanotechnology Centre, VŠB-TU Ostrava, Czech Republic	Adsorption of Aromatics from Waste Water by Multi Walled Carbon Nanotubes	3_O
Plevová Eva	Institute of geonics, AS CR, v.v.i, Ostrava, Czech Republic	Thermal behaviour of organically modified clays	5_P
Pospíšil Miroslav	Charles University in Prague, Faculty of Mathematics and Physics, Prague, Czech Republic	Molecular modeling of ZnS-CTA+-MMT nanoparticles	5_P
Postava Kamil	Department of Physics , VŠB-TU Ostrava, Czech Republic Ostrava-Poruba, Czech Republic	Nanogratings with sinusoidal modulation of optical properties	2_O
Pouzar Miloslav	University of Pardubice, Institute of Environmental and Chemical Engineering, Pardubice, Czech Republic	Aquatic toxicity tests of nanomaterials	6_O
Rieder Milan	Nanotechnology Centre, VŠB-TU Ostrava, Czech Republic	Two functions to aid in chemical identification of mineral/inorganic substances: First tests on the mineralogical systém	5_O
Rozumová Lucia	Nanotechnology Centre, VŠB-TU Ostrava, Czech Republic	Magnetically modified tea for lead sorption	3_P
Sas Samuel	Institute of Inorganic Chemistry, Slovak Academy of Sciences, Bratislava, Slovakia	Hybrid materials of clay minerals grafted with reactive fluorophores	4_P
Sekeráková Ludmila	Institute of Inorganic Chemistry, Slovak Academy of Sciences, Bratislava, Slovakia	Infrared investigation of organo-montmorillonites prepared from n-alkylammonium surfactants	5_P
Šimha Martynková Gražyna	IT4Innovations, Centre of Excellence, VŠB-TU Ostrava, Czech Republic; Nanotechnology Centre, VŠB-TU Ostrava, Czech Republic	Metal-nanocarbon interactions in nanocomposites	1_P
Starýchová L.	Department of Pharmaceutical Technology, Faculty of Pharmacy, Comenius University, Slovakia	Liberation of terbinafine from chitosan gels containing microemulsion	3_P
Swietek Malgorzata	Department of Biomaterials, Faculty of Materials Science and Ceramics, AGH University of Science and Technology, Krakow, Poland	Clay modified with magnetic nanoparticles as a filler for polymer composites	5_P
Šafařík Ivo	Department of Nanobiotechnology, Institute of Nanobiology and Structural Biology of GCRC, Ceske Budějovice, Czech Republic	Magnetically responsive biocomposites for xenobiotics removal	3_O

Špaglová Miroslava	Department of Galenic Pharmacy, Faculty of Pharmacy, Comenius University, Slovakia	Formulation and evaluation of microemulsion-based gel with indomethacin	3_P
Teslíková Ivana	Nanotechnology Centre, VŠB-TU Ostrava, Czech Republic	Sorption of strontium from aqueous solution	3_P
Tilková Alena	Nanotechnology Centre, VŠB-TU Ostrava, Czech Republic	Using Montmorillonite and Bentonite for Phosphate Removal	3_P
Tokarský Jonáš	IT4Innovations, Centre of Excellence, VŠB-TU Ostrava, Czech Republic; Nanotechnology Centre, VŠB-TU Ostrava, Czech Republic	Characterization of polymeric drug carriers using molecular modeling	1_O
Trško Libor	University of Žilina, Faculty of Mechanical Engineering, Slovak Republic	Influence of nanostructured surface layer obtained by severe shot peening on the ultra-high cycle fatigue life of 50CrMo4 steel	4_O
Vaculíková Eliška	1Department of Chemical Drugs, Faculty of Pharmacy, University of Veterinary and Pharmaceutical Sciences; 2Nanotechnology Centre, VŠB-TU Ostrava,	Nanotechnologies in field of pharmacy	3_O
Valášková Marta	IT4Innovations, Centre of Excellence, VŠB-TU Ostrava, Czech Republic; Nanotechnology Centre, VŠB-TU Ostrava, Czech Republic	Modified organovermiculite for cordierite ceramic nanocomposites	2_P
Valíček Jan	1RMTVC, Faculty of Metallurgy and Materials Engineering; 2 Institute of Physics, Faculty of Mining and Geology, VSB – TU Ostrava, Ostrava, Czech Republic	Identification of relation between the topography of surfaces of classical materials and nanomaterials generated by multiple plastic deformation to the technological process	1_P
Vlasov Alexander	Ural Federal University, Russia	Preparation and properties study of ceramic materials under hot pressure YSZ-WC	2_P
Vlček Jaroslav	1Dept. of Mathematics and Descriptive Geometry, VŠB - TU Ostrava, Czech Republic 2IT4Innovations Centre of Excellence , VŠB - TU Ostrava, Czech Republic	Magneto-optic activity of gold nanoparticles	1_O
Rongping Yun	High-Tech Research Institute, Beijing University of Chemical Technology, Beijing, China	Abrasive in brake friction composites	4_O
Zavadil Jaromír	1RMTVC, Faculty of Metallurgy and Materials Engineering, 2Department of Control Systems and Instrumentation, Faculty of Mechanical Engineering, VSB – T U Ostrava, Ostrava, Czech Republic	Analysis of Surfaces of Cold Rolled Sheets using Digital Camera	1_P
Zdrálková Jana	IT4Innovations, Centre of Excellence, VŠB-TU Ostrava, Czech Republic; Nanotechnology Centre, VŠB-TU Ostrava, Czech Republic	Study of the conditions of synthesis forsterite ceramic from the original and modified talc	2_P
Žabka M.	Department of Galenic Pharmacy, Faculty of Pharmacy, Comenius University, Slovak Republic	The influence of microemulsion on liberation of indomethacin from hydrogel vehicles	3_P