

# **7th International Conference on Mechanochemistry and Mechanical Alloying**

**(INCOME 2011)**

**Herceg Novi, Montenegro  
31 August – 3 September 2011**

**Editors:**

**Dragan P. Uskokovic  
Aleksandra Stojicic**

ISBN: 978-1-62748-076-5

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57 Morehouse Lane  
Red Hook, NY 12571



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A063	<p><b>THE EFFECT OF MECHANICAL TREATMENT INTENSITY ON*****64 COMPONENT COMPOSITION OF HIGHLY PARAFFINIC CRUDE</b>  <u>V.G. Surkov</u>, M.V. Mozhayskaya, A.K. Golovko  <i>Institute of Petroleum Chemistry, Siberian Branch of the Russian Academy of Sciences, Tomsk, Russia</i></p>
A064	<p><b>NEW MECHANOCHEMICAL AND MICROWAVE METHODS FOR *****65 SYNTHESIS OF PLATINUM GROUP METAL BETA-DIKETONATES AS MOCVD PRECURSORS</b>  B.R. Chimitov, K.V. Zherikova, A.N. Mikheev, <u>N.B. Morozova</u>  <i>Nikolaev Institute of Inorganic Chemistry, Novosibirsk, Russia</i></p>
A065	<p><b>Fe-BASED AMORPHOUS AND NANOCRYSTALLINE ALLOYS PROCESSED *****65 BY MECHANICAL ALLOYING</b>  D. Oleszak  <i>Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw, Poland</i></p>
A066	<p><b>DEVELOPMENT OF ENERGY APPROACH FOR ANALYSIS OF*****66 MECHNOCHEMICAL PROCESSES DYNAMICS</b>  P.Yu. Butyagin, <u>A.N. Streletskii</u>  <i>Institute of Chemical Physics RAS, Moscow, Russia</i></p>

- A069 MULTISCALE DESIGN OF CoAlO/CoAl CERMET PREPARED FROM Co-Al ""66 ALLOYED PRECURSOR**  
A.S. Andreev, A.N. Salanov, S.V. Cherepanova, V.I. Zaikovskii, S.F. Tikhov, V.V. Usoltsev, O.B. Lapina, V.A. Sadykov  
*Boreskov Institute of Catalysis, Novosibirsk, Russia*
- A070 THE MICROSTRUCTURE AND PROPERTIES OF ZnO ACTIVATED BY ""67 BALL MILLING**  
Y. Dimitriev<sup>1</sup>, M. Gancheva<sup>2</sup>, R. Iordanova<sup>2</sup>  
<sup>1</sup>*University of Chemical Technology and Metallurgy, Sofia, Bulgaria,* <sup>2</sup>*Institute of General and Inorganic Chemistry, Bulgarian Academy of Sciences, Sofia, Bulgaria*
- A071 PREPARATION OF TiO<sub>2</sub>/MoO<sub>3</sub> MIXED OXIDE POWDERS BY BALL ""67 MILLING**  
R. Iordanova<sup>1</sup>, M. Gancheva<sup>1</sup>, Y. Dimitriev<sup>2</sup>  
<sup>1</sup>*Institute of General and Inorganic Chemistry, Bulgarian Academy of Sciences, Sofia, Bulgaria,* <sup>2</sup>*University of Chemical Technology and Metallurgy, Sofia, Bulgaria*
- A072 INFLUENCE OF SUBSTITUTION OF TANTALUM FOR HAFNIUM ON THE ""68 ELECTRONIC STRUCTURE OF CUBIC Hf<sub>x</sub>Ta<sub>1-x</sub>C<sub>y</sub> CARBIDES: AB INITIO BAND-STRUCTURE CALCULATIONS AND X-RAY SPECTROSCOPY STUDIES**  
A.A. Lavrentyev,<sup>1</sup> B.V. Gabrelian,<sup>1</sup> V.B. Vorzhev,<sup>1</sup> I.Ya. Nikiforov,<sup>1</sup> A.V. Izvekov,<sup>2</sup> O.Yu. Khyzhun<sup>2</sup>  
<sup>1</sup>*Department of Physics, Don State Technical University, Rostov-on-Don, Russian Federation,* <sup>2</sup>*Frantsevych Institute for Problems of Materials Science, National Academy of Sciences of Ukraine, Kyiv, Ukraine*
- A073 MECHANOCHEMICAL SYNTHESIS OF NANOPHASE COMPOSITES IN La<sub>1-x</sub> ""69 Sr<sub>x</sub>FeO<sub>3-y</sub> PEROVSKITES: FORMATION OF LaSrFeO<sub>4</sub> SURFACE RICH ""69 COMPOSITES**  
I.S. Yakovleva, A.N. Nadeev, L.A. Isupova  
*Boreskov Institute of Catalysis SB RAS, Novosibirsk, Russia*
- A074 HYDRIDING PROPERTIES OF MAGNESIUM-BASED NANOCOMPOSITES ""6: I. Konstantchuk<sup>1</sup>, K. Gerasimov<sup>1</sup>, A. Demkin<sup>1</sup>, J.-L. Bobet<sup>2</sup>**  
<sup>1</sup>*Institute of Solid State and Mechanochemistry of Siberian Branch of RAS, Novosibirsk, Russia,* <sup>2</sup>*Institut de Chimie de la Matière Condensée de Bordeaux ICMCB-CNRS, Université Bordeaux 1, Bordeaux, France*
- A075 MECHANICAL OSCILLATIONS AND THERMODYNAMICS OF ""6; EXTRATHIN CRYSTALLINE FILMS**  
J.P. Šetrajić<sup>1\*</sup>, V.M. Zorić<sup>1</sup>, I.J. Šetrajić<sup>1</sup>, N.V. Delić<sup>1</sup>, S. Armaković<sup>1</sup>, D.Lj. Mirjanić<sup>2\*</sup>, A.J. Šetrajić-Tomić<sup>3</sup>, S.K. Jaćimovski<sup>4</sup>, D. Rodić<sup>1</sup>, S.S. Pelemiš<sup>5</sup>  
<sup>1</sup>*University of Novi Sad, Faculty of Sciences, Department of Physics, Vojvodina – Serbia,* <sup>2</sup>*University of Banja Luka, Medical Faculty, Republic of Srpska – B&H,* <sup>3</sup>*University of Novi Sad, Medical Faculty, Department of Pharmacy, Vojvodina – Serbia,* <sup>4</sup>*Academy of Criminalistic and Police Studies, Zemun – Belgrade, Serbia,* <sup>5</sup>*University of East Sarajevo, Faculty of Technology, Zvornik, Republic of Srpska – B&H, \*Academy of Sciences and Arts of the Republic of Srpska – B&H*

- A076 MONTE CARLO STUDY OF PHONON SUBSYSTEM IN ULTRATHIN ""6;  
CRYSTALLINE SAMPLES**  
S. Armaković<sup>1</sup>, I.J. Šetrajčić<sup>1</sup>, D. Čulibrk<sup>2</sup>, J.P. Šetrajčić<sup>1,\*</sup>, B. Markoski<sup>3</sup>, Z. Ivanković<sup>3</sup>, B. Škipina<sup>4</sup>, D.I. Ilić<sup>2</sup>, S.M. Vučenović<sup>5</sup>  
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- A077 MECHANOCOMPOSITES WITH ACTIVE METALS FOR THE ""72  
TRADITIONAL METHODS OF OXIDES REDUCTION**  
N. Lyakhov, T. Grigoreva  
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- A078 Cu/ZrO<sub>2</sub> COMPOSITES PREPARED BY SELF-PROPAGATING HIGH-""72  
TEMPERATURE PROCESSING OF THE MECHANICALLY PRE-  
ACTIVATED CuO/Cu/Zr SYSTEM**  
T. Grigoreva<sup>1</sup>, N. Lyakhov<sup>1</sup>, V. Šepelák<sup>2</sup>, I. Vorsina<sup>1</sup>, A. Barinova<sup>1</sup>, A. Ilyushchenko<sup>3</sup>, A. Letsko<sup>3</sup>, T. Talako<sup>3</sup>  
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- A079 THE PREPARATION OF MECHANOCOMPOSITES W-Me-ORGANIC""73  
SUBSTANCE AND INVESTIGATION OF THE INFLUENCE OF TYPE OF  
ORGANIC PLASTICIZER ON THE COMPRESSIBILITY OF THE OB  
MECHANOCOMPOSITES**  
T. Grigoreva<sup>1</sup>, L. Dyachkova<sup>2</sup>, A. Barinova<sup>1</sup>, S. Tsibulya<sup>3</sup>, N. Lyakhov<sup>1</sup>  
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- A080 MECHANICAL BEHAVIOR OF MECHANICALLY ACTIVATED CARBON-""73  
QUASICRYSTAL COMPOSITE**  
T.P. Yadav<sup>1</sup>, D. Singh<sup>1</sup>, N.K. Mukhopadhyay<sup>2</sup>, O.N. Srivastava<sup>1</sup>  
<sup>1</sup>Department of Physics, Banaras Hindu University, Varanasi, India  
<sup>2</sup>Department of Metallurgical Engineering, Institute of Technology, Banaras Hindu University, Varanasi, India
- A081 INFLUENCE OF MECHANICAL ACTIVATION ON SPHENE CERAMIC ""74  
SYNTHESIS**  
J. Pantić<sup>1</sup>, M. Prekajski<sup>1</sup>, B. Matović<sup>1</sup>, A. Radosavljević Mihajlović<sup>1</sup>, A. Kremenović<sup>2</sup>, M. Logar<sup>2</sup>  
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<sup>2</sup>Faculty of Mining and Geology, University of Belgrade, Belgrade, Serbia

- A082 AN INFLUENCE OF TEMPERATURE ON THE PROCESS OF CHEMICAL INTERACTION OF THE MECHANOSYNTHESIZED COPPER COMPOUNDS WITH LIQUID GALLIUM AND ON THE OBTAINED PRODUCT CHARACTERISTICS**  
S.A. Kovaliova<sup>1</sup>, P.A. Vityaz<sup>1</sup>, T.F. Grigoreva<sup>2</sup>, S.B. Tsybulya<sup>3</sup>, N.Z. Lyakhov<sup>2</sup>  
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- A083 THERMOMECHANICAL CHARACTERISTICS OF ARSENIC-SULPHIDE GLASS DOPED WITH BISMUTH**  
M.V. Šiljegović<sup>1</sup>, S.R. Lukić<sup>1</sup>, F. Skuban<sup>1</sup>, M. Avramov<sup>1</sup>, L. Sidjanin<sup>2</sup>  
<sup>1</sup>Faculty of Science, Department of Physics, University of Novi Sad, Novi Sad, <sup>2</sup>Faculty of Technical Science, University of Novi Sad, Novi Sad
- A084 CRYSTALLINE/MAGNETIC STRUCTURE OF  $La_{0.54}Pr_{0.11}Pb_{0.35-x}Sr_xMnO_3$  OBTAINED BY HIGH-ENERGY MILLING**  
M.-L. Craus<sup>1,2</sup>, N. Cornei<sup>3</sup>, I. Zinikovskaia<sup>1</sup>, A. Oprea<sup>1,4</sup>  
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- A085 INFLUENCE OF HIGH-ENERGY MILLING ON THE STRUCTURE AND TRANSPORT PROPERTIES OF  $La_{0.54}Ho_{0.11}Ca_{0.35}Mn_{1-x}Cr_xO_3$**   
A. Oprea<sup>1,2</sup>, M.-L. Craus<sup>1,3</sup>, N. Cornei<sup>4</sup>  
<sup>1</sup>Joint Institute for Nuclear Research, Dubna, Russia, <sup>2</sup>Physics Department, Bucharest University, Bucharest, Romania, <sup>3</sup>National Institute of Research and Development for Technical Physics, Iasi, Romania, <sup>4</sup>Chemistry Department, "Al I. Cuza" University, Iasi, Romania
- A086 NON-THERMAL EFFECTS UNDER MICROWAVE HEATING OF SOLIDS AND MATERIALS**  
A.N. Mikheev  
Novosibirsk State University, Nikolayev Institute of Inorganic Chemistry, Novosibirsk, Russia
- A087 THE SMART PROCEDURE OF NATURAL PRODUCTS ISOLATION**  
N. Pankrushina<sup>1,2</sup>, I. Nikitina<sup>1,2</sup>, E. Chernjak<sup>1</sup>, V. Boldyrev<sup>1,3</sup>  
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- A089 MECHANOCHEMISTRY AND THE OTHER BRANCHES OF CHEMISTRY: SIMILARITIES AND DIFFERENCES**  
L. Takacs  
Department of Physics, University of Maryland, Baltimore, USA

A090	<p><b>MECHANOCHEMICAL SYNTHESIS OF MgH<sub>2</sub>-TiB<sub>2</sub> COMPOSITES FOR HYDROGEN STORAGE</b>  <u>I. Milanović</u>, R. Vujasin, S. Milošević, Ž. Rašković-Lovre, S. Kurko, Lj. Matović, J. Grbović Novaković  <i>Vinča Institute of Nuclear Sciences, University of Belgrade, Belgrade, Serbia</i></p>
A091	<p><b>FLUORINE INCORPORATION FROM PTFE TO TITANIA NANOPARTICLES BY COMBINING MECHANICAL STRESSING AND ANNEALING</b>  <u>M. Senna</u><sup>1</sup>, A. Düvel<sup>1</sup>, V. Sepelak<sup>2</sup>, J. Shi<sup>3</sup>, K. DaSilva<sup>1</sup>, V. Laporte<sup>4</sup>, K.-D. Becker<sup>3</sup>, P. Heitjans<sup>1</sup>  <sup>1</sup><i>Institute of Physical Chemistry and Electrochemistry, Leibniz University Hannover, Hannover, Germany</i>, <sup>2</sup><i>Institute of Nanotechnology, Karlsruhe Institute of Technology, Eggenstein-Leopoldshafen, Germany</i>, <sup>3</sup><i>Institute of Physical and Theoretical Chemistry, Technische Universität Braunschweig, Braunschweig, Germany</i>, <sup>4</sup><i>Interdisciplinary Centre for Electron Microscopy, Ecole Polytechnique Fédérale de Lausanne, Lausanne, Switzerland</i></p>
A092	<p><b>SURFACE HARDENED AI ALLOYS PREPARED BY HIGH-ENERGY BALL-MILLING USING VARIOUS PROCESS CONTROL AGENTS</b>  <u>J.-H. Ahn</u><sup>1</sup>, Y.-D. Hahn<sup>2</sup>, S. Kim<sup>1</sup>, Y.J. Kim<sup>2</sup>  <sup>1</sup><i>Department of Materials Engineering, Andong National University, Andong, Gyungbuk, Korea</i>, <sup>2</sup><i>Functional Materials Division, Korea Institute of Materials Science, Seonsan-gu, Changwon, Gyeongnam, Korea</i></p>
A093	<p><b>EFFECT OF THIRD ELEMENTS ON THE PARTICLE SIZE OF DISPERSOIDS IN MECHANICALLY ALLOYED Ni-Cr-Y<sub>2</sub>O<sub>3</sub> ALLOYS</b>  <u>S. Kim</u><sup>1</sup>, J. Jang<sup>2</sup>, T.K. Kim<sup>2</sup>, J.-H. Ahn<sup>1</sup>  <sup>1</sup><i>Department of Materials Engineering, Andong National University, Andong, Gyungbuk, Korea</i>, <sup>2</sup><i>Nuclear Materials Research Division, Korea Atomic Energy Research Institute, Yuseong-gu, Daejeon, Korea</i></p>
A094	<p><b>STRUCTURAL AND ELECTRICAL PROPERTIES OF Yb SUBSTITUTED Zn-FERRITE OBTAINED BY HEBM</b>  <u>M. Vučinić-Vasić</u><sup>1</sup>, A. Antić<sup>1</sup>, B. Antić<sup>2</sup>, G. Stojanović<sup>1</sup>, A. Meden<sup>3</sup>, A. Kremenović<sup>4</sup>  <sup>1</sup><i>Faculty of Technical Sciences, Novi Sad, Serbia</i>, <sup>2</sup><i>Institute of Nuclear Sciences "Vinča", Belgrade, Serbia</i>, <sup>3</sup><i>Faculty of Chemistry and Chemical Technology, Ljubljana, Slovenia</i>, <sup>4</sup><i>Faculty of Mining and Geology, Belgrade, Serbia</i></p>
A095	<p><b>CHANGING OF CHELATION ABILITY OF HUMIC ACIDS UNDER MECHANICAL ACTIVATION</b>  <u>S.G. Mamylov</u><sup>1</sup>, O.I. Lomovsky<sup>1</sup>, N.V. Yudina<sup>2</sup>  <sup>1</sup><i>Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia</i>  <sup>2</sup><i>Institute of Petroleum Chemistry SB RAS, Tomsk, Russia</i></p>
A096	<p><b>THE HIGH TEMPERATURE FINE GRINDING OF POLYMERS UNDER ACTION OF INTENSE SHEAR STRESS AS A MECHANOCHEMICAL AVALANCHE-LIKE CRACKING PROCESS OF POLYMERS</b>  <u>A.M. Kaplan</u>, V.G. Nikolskii, N.I. Chekunaev  <i>Semenov's Institute of Chemical Physics RAS, Moscow, Russia</i></p>

A097	<p><b>EFFECTS OF MECHANICAL ACTIVATION ON THE INTERACTION OF """"83 OLIVINE AND VERMICULITE WITH CARBON DIOXIDE</b>  <u>E. Turianicová</u><sup>1</sup>, A. Zorkovská<sup>1</sup>, A. Obut<sup>2</sup>, Ľ. Tuček<sup>3</sup>, Z. Németh<sup>3</sup>, P. Baláž<sup>1</sup>, Ī. Girgin<sup>2</sup>  <sup>1</sup><i>Institute of Geotechnics, Slovak Academy of Sciences, Košice, Slovakia,</i> <sup>2</sup><i>Hacettepe University, Mining Engineering Department, Ankara, Turkey,</i> <sup>3</sup><i>State Geological Institute of Dionyz Stur, Košice, Slovakia</i></p>
A098	<p><b>MECHANOCHEMICAL PREPARATION AND SOLID-STATE """"84 CHARACTERIZATION OF COMPOSITES OF BETULIN AND ITS ETHERS</b>  <u>M.A. Mikhailenko</u><sup>1,2</sup>, T.P. Shakhtshneider<sup>1,2</sup>, V.A. Drebuschak<sup>2,3</sup>, Yu.N. Malyar<sup>4</sup>, S.A. Kuznetsova<sup>4</sup>, V.V. Boldyrev<sup>1,2</sup>  <sup>1</sup><i>Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia</i>  <sup>2</sup><i>Research and Education Center "Molecular Design and Ecologically Safe Technologies" at Novosibirsk State University, Novosibirsk, Russia,</i> <sup>3</sup><i>Institute of Geology and Mineralogy SB RAS, Novosibirsk, Russia,</i> <sup>4</sup><i>Institute of Chemistry and Chemical Technologies SB RAS, Krasnoyarsk, Russia</i></p>
A099	<p><b>Fe-Y<sub>2</sub>O<sub>3</sub> NANOCOMPOSITE PREPARED BY BALL-MILLING: FORMATION """"84 MECHANISMS AND NANOSCALE CHARACTERISATION</b>  <u>F. Legendre</u><sup>1</sup>, M. Brocq<sup>1</sup>, M. Couvrat<sup>1</sup>, B. Radiguet<sup>2</sup>  <sup>1</sup><i>CEA Saclay, DEN, DMN, Service de Recherches de Métallurgie Physique, France,</i>  <sup>2</sup><i>Groupe de Physique des Matériaux, Université et INSA de Rouen, UMR CNRS 6634, France</i></p>
A100	<p><b>MECHANOCHEMICAL PREPARATION OF ORGANIC-INORGANIC""""85 HYBRID MATERIALS OF DRUGS</b>  <u>T.P. Shakhtshneider</u><sup>1,2</sup>, S.A. Myz<sup>1,2</sup>, N.I. Nizovskii<sup>3</sup>, A.V. Kalinkin<sup>3</sup>, E.V. Boldyreva<sup>1,2</sup>, T.C. Alex<sup>4</sup>, R. Kumar<sup>4</sup>  <sup>1</sup><i>Institute of Solid State Chemistry and Mechanochemistry, Novosibirsk, Russia;</i>  <sup>2</sup><i>Research and Education Centre "Molecular Design and Ecologically Safe Technologies" at the Novosibirsk State University, Novosibirsk, Russia;</i> <sup>3</sup><i>Boreskov Institute of Catalysis, Novosibirsk, Russia;</i> <sup>4</sup><i>National Metallurgical Laboratory, Jamshedpur, India</i></p>
A101	<p><b>FOLLOWING THE PRODUCTS OF MECHANOCHEMICAL SYNTHESIS""""85 STEP AFTER STEP</b>  I.A. Tumanov<sup>1,2</sup>, A.F. Achkasov<sup>1</sup>, E.V. Boldyreva<sup>1,2</sup>, V.V. Boldyrev<sup>1,2</sup>  <sup>1</sup><i>Institute of Solid State Chemistry and Mechanochemistry, Novosibirsk, Russia;</i>  <sup>2</sup><i>Research and Education Centre "Molecular Design and Ecologically Safe Technologies" at the Novosibirsk State University, Novosibirsk, Russia</i></p>
A102	<p><b>SELECTIVE EFFECT OF CARBOXYLIC ACIDS ON POLYMORPHISM OF """"86 GLYCINE AND CO-CRYSTAL FORMATION</b>  E.A. Losev<sup>1,2</sup>, M.A. Mikhailenko<sup>1,2</sup>, E.V. Boldyreva<sup>1,2</sup>  <sup>1</sup><i>Research and Education Centre "Molecular Design and Ecologically Safe Technologies" at the Novosibirsk State University, Novosibirsk, Russia,</i> <sup>2</sup><i>Institute of Solid State Chemistry and Mechanochemistry, Novosibirsk, Russia;</i></p>

- A103 'HEDVALL EFFECT' IN CRYOGRINDING OF MOLECULAR CRYSTALS. A ""87  
CASE STUDY OF A POLYMORPHIC TRANSITION IN CHLORPROPAMIDE**  
T.N. Drebuschak<sup>1,2</sup>, A.A. Ogienko<sup>3</sup>, E.V. Boldyreva<sup>1,2</sup>  
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Technologies" at the Novosibirsk State University, Novosibirsk, Russia,* <sup>3</sup>*Institute of  
Cytology and Genetics SB RAS, Novosibirsk, Russia*
- A104 DECREASING PARTICLE SIZE HELPS TO PRESERVE METASTABLE""88  
POLYMORPHS. A CASE STUDY OF DL-CYSTEINE**  
V.S. Minkov<sup>1,2</sup>, V.A. Drebuschak<sup>1,3,4</sup>, A.G. Ogienko<sup>1,4</sup>, E.V. Boldyreva<sup>1,2</sup>  
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Geology and Mineralogy SB RAS, Novosibirsk, Russia,* <sup>4</sup>*Institute of Inorganic  
Chemistry SB RAS, Novosibirsk, Russia*
- A105 MONITORING MECHANICAL PROPERTIES OF INDIVIDUAL HYDROGEN ""89  
BONDS: SINGLE-CRYSTAL X-RAY DIFFRACTION AND POLARIZED  
RAMAN SPECTROSCOPY IN SITU**  
B.A. Zakharov<sup>1,2</sup>, B.A. Kolesov<sup>1,3</sup>, E.V. Boldyreva<sup>1,2</sup>  
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Solid State Chemistry and Mechanochemistry, Novosibirsk, Russia;* <sup>3</sup>*Institute of  
Inorganic Chemistry, Novosibirsk, Russia*
- A106 SHS OF SYSTEM WITH ACTIVATED SILUMIN""89**  
D.A. Kassymbekova, O.A. Tyumentseva  
*Institute of Combustion Problems, Almaty, Republic of Kazakhstan*
- A107 PROPOSAL OF A NEW MECHANO-CHEMICAL PHASE DIAGRAM FOR ""8:  
THE BINARY SYSTEM Cu-Zn**  
M.J. Diáñez<sup>1</sup>, J.M. Criado<sup>1</sup>, E. Donoso<sup>2</sup>, L.A. Pérez-Maqueda<sup>1</sup>, P.E. Sánchez-Jiménez<sup>1</sup>,  
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C.S.I.C., Sevilla, Spain,* <sup>2</sup>*Facultad de Ciencias Físicas y Matemáticas, Universidad de  
Chile, Santiago, Chile*
- A108 SOLVENT-DROP GRINDING SYNTHESIS OF MELOXICAM CO-CRYSTALS""8:  
S.A. Myz, T.P. Shakhshneider, N.A. Tumanov, E.V. Boldyreva**  
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Technologies" at the Novosibirsk State University, Novosibirsk, Russia*
- A110 OPTICAL PROPERTIES OF NICKEL MANGANITE CERAMICS OBTAINED ""8;  
FROM MECHANICALLY ACTIVATED POWDERS**  
S.M. Savić<sup>1</sup>, M.V. Nikolić<sup>1</sup>, K.M. Paraskevopoulos<sup>2</sup>, T.T. Zorba<sup>2</sup>, K. Vojisavljević<sup>1</sup>  
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- A112 CHARACTERIZATION OF COMPLEX OXIDES PREPARED BY BALL MILLING**  
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- A114 MULTIFERROIC PEROWSKITE MATERIALS OBTAINED BY REACTIVE GRINDING**  
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- A116 MECHANOCHEMICAL TRANSFORMATIONS IN Ti/B/H<sub>2</sub> SYSTEM**  
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- A123 MECHANOCHEMICAL SYNTHESIS OF MoSi<sub>2</sub>-SiC NANOCOMPOSITE<sup>\*\*\*\*</sup>9; POWDER**  
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- A125 MECHANICAL PROPERTIES OF WOOD FLOUR FILLED NR/CSM RUBBER <sup>\*\*\*\*</sup>9; COMPOSITES**  
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- A127 SYNTHESIS AND REACTION SINTERING OF MECHANOCHEMICALLY<sup>\*\*\*\*</sup>: 2 PROCESSED YAG:Ce PRECURSOR**  
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- A128 INFLUENCE OF PROCESSING METHOD ON DIELECTRIC PROPERTIES OF  $\text{BaBi}_4\text{Ti}_4\text{O}_{15}$  CERAMICS**  
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*Silesian University of Technology, Gliwice, Poland*
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- A146 RAPID MECHANO-CHEMICAL REACTIONS DURING ELECTRIC """"; 3 DISCHARGE ASSISTED MECHANICAL MILLING**  
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- A150 THE MORPHOLOGY, STRUCTURE AND LUMINESCENT PROPERTIES OF """"; 6 Gd<sub>2</sub>O<sub>3</sub>:Eu SYNTHESIZED BY AEROSOL ROUTE AND HIGH ENERGY BALL MILLING**  
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