

**Fundamentals: Structure, Electronic and Magnetic Properties. Lectures**

Magnetic properties of new nitrides and oxides, <u>Battle, Peter D.</u>	14
Powder diffraction for solid state chemistry: From high resolution data and complex structures to low quality data and local structures, <u>Černý, Radovan</u>	15
Controlling the structures and properties of layered chalcogenides and pnictides, <u>Clarke, Simon J.</u>	16
Studies of the double perovskites, $A_2FeMoO_6$ and $A_{2-x}A'_xMnRuO_6$ : a closer look at the contrasting role of chemical order, <u>Woodward, Patrick M.</u>	16
Rare earth-based layered oxyfluorosulphides and oxypnictides: From pigments properties to superconductivity phenomena. <u>Demourgues, Alain</u> and Ogier, Tiphaine	17
Structure-property relations in new layered $Ba_{3-x}Sr_xLaNb_{3-y}Ta_yO_{12}$ perovskites, <u>Gillie, Lisa J.</u> ; Adams, Ruth M.; Mould, Andrew G.; Reeves-McLaren, Nik; Sinclair, Derek C.	18
Anisotropic antiferromagnetism and superconductivity in quasi-two-dimensional materials without geometrical magnetic frustration, <u>Kitomi, Tsutsumi</u>	19
Electronic structure of rare earth ions in the $Sr_2MgSi_2O_7$ persistent luminescence host material, <u>Laamanen, Taneli</u> ; Hölsä, Jorma; Lastusaari, Mika; Novák, Pavel	20
Non-collinear spin structure of $BaCoTiFe_{10}O_{19}$ by resonant X-ray magnetic scattering, <u>Okube, Maki</u> and Sasaki, Satoshi	21
In situ low-temperature infrared spectroscopic study on Kohn anomaly of one-dimensional metallic exotic-nanocarbon, <u>Onoe, Jun</u> ; Takashima, Akito; Toda, Yasunori	22
Homochiral, helical supramolecular coordination polymers organized by strong, noncovalent $\pi$ - $\pi$ stacking interactions: single crystal to single crystal transformations, <u>Reger, Daniel L.</u> ; Horger, Jacob and Smith, Mark	23
Comparison of O-N substitution processes in $TiO_2$ , ZnO and $Nb_2O_5$ with organic crystalline solids under mechanical stressing, <u>Senna, Mamoru</u> ; Bauer, Benjamin; Shi, Jianmin; Sepelak, Vladimir; Becker, Klaus Dieter	24
Flexibility of structure and variability of properties of nanostructured spinels, <u>Šepelák, Vladimír</u> ; Myndyk, M.; Šubrt, J.; Feldhoff, A.; Heitjans, P.; Becker, K.D.	25
Heterobimetallic barium-cobalt aminopolycarboxylate complexes, as single-source molecular precursors for $BaCoO_{3-\delta}$ oxide materials, <u>Tancret, Nathalie</u> ; Bulimestru, Ion; Rolle, Aurélie; Cornei, Nicoleta; Mentré, Olivier	26

**Fundamentals: Structure, Electronic and Magnetic Properties. Posters**

Structural and magnetic characterization of $A_3Cr_2ReO_9$ (A= Sr, Ba) double perovskites, Pannunzio-Miner, E.V.; De Paoli, J.M.; Sánchez, R.D.; Alonso, J.A.; Fernández-Díaz, M.T.; and <u>Carbonio, R.E.</u>	27
$Fe^{3+}$ to $Fe^{2+}$ partial reduction in the monoclinic double perovskite $Ba_{2-x}La_xFeSbO_6$ , Blanco, M. Cecilia; Guimpel, J.J.; Paesano, A. Jr. and <u>Carbonio, R.E.</u>	28
Magnetic surface effects in ferromagnetic $La_3Ni_2SbO_9$ , Franco, D.; <u>Carbonio, R.</u> ; Nieva, G.	29
Variations of electronic properties on composition and crystal structure for V-W-Mo-O system, <u>Chung, Jaehoon</u> ; Kim, Hyun-Jun and Kim, Seung-Joo	30
Synthesis, characterization and physical properties of two new quaternary selenides: $Ba_3SnBi_2Se_8$ and $Ba_3SnSb_2Se_8$ , <u>Chung, Ming-Yen</u> ; Lee, Chi-Shen	31
Magnetic properties of $Gd_{1-x}Sc_xNi_2$ ( $x=0.1, 0.2$ ) solid solutions, <u>J. Ćwik</u> ; T. Palewski; K. Nenkov; J. Klamut	32
Aggregated structures and spin crossover properties of <i>fac</i> - and <i>mer</i> -(Tris(2-methylimidazole-4-yl)methylideneaminobenzyl)iron(II) chloride hexafluorophosphate, <u>Furusho, Daisuke</u> , Nishi Koshiro, Hashibe Tomotaka, and Matsumoto Naohide	33
Effect of chirality on assembly structure and spin crossover property of iron(II) complexes $[Fe(HL^{R \text{ or } RS})_3]Cl \cdot PF_6$ , <u>Hashibe, Tomotaka</u> ; Nishi, Koshiro, Fujinami, Takeshi; Furusho, Daisuke; and Matsumoto, Naohide	34

Thermal study of the structures and phase transitions of new possibly functional materials: A'A'' <sub>2</sub> CuTi <sub>2</sub> O <sub>9</sub> (A'=Ca,Ba) and (A''=Pr,Nd) triple perovskites, <u>Iturbe-Zabalo, Edurne</u> ; Igartua, Josu M.; Cuello, Gabriel J.; Aatiq, Abderrahim	35
Microstructural and magnetic properties of Li <sub>0.5</sub> Fe <sub>2.5</sub> O <sub>4</sub> fine particles prepared by citrate gel decomposition, <u>Jović, N</u> ; Antić, B; Božin, E; Cvjetičanin, N; Spasojević, V	36
The removal of oxide impurities on ZrB <sub>2</sub> surface using diluted HF solution, <u>Jung, Jin-Young</u> ; Oh, Hyeon- Cheol; Jung, Se-Hyuk; Lee, Sea-Hoon; Kim, Hai-Doo; Choi, Sung-Churl	37
Correlation of Crystal Structure and Energy Band Gap of Complex Oxyfluorides, AA'Nb <sub>2</sub> O <sub>6</sub> F (A = Li, Na, K, Rb, Cs, A' = Ca, Sr, Pb), <u>Kim, Sung-Chul</u> ; Yoo, Chung-Yul; Lee, Mi-Sun and Kim, Seung-Joo	38
Complex temperature dependence of resistivity in LaCo <sub>1-y</sub> Cu <sub>y</sub> O <sub>3</sub> (y~0.33), <u>Knížek, K.</u> ; Jiráček, Z.; Hejtmánek, J.; Veverka, M.; Němec, H.; Buršík, J.; Kirakci, K.	39
Polynuclear lanthanide complexes with cavitand cucurbit[6]uril: From molecular compounds to coordination polymers, <u>Kovalenko, Ekaterina A.</u> ; Fedin, Vladimir P.	40
Electrical and dielectric properties of ytterbia stabilized zirconia crystals, <u>Kundracik, František</u> ; Hartmanová, Mária; Jergel, Matej; Holgado, Juan P.; Lomonova, Elena E.	41
Structural reinvestigation of alkali hexatitanate, <u>Kunimitsu, Kataoka</u> ; Norihito, Kijima; Hiroshi, Hayakawa; Junji, Akimoto	42
GaP and WO <sub>3</sub> nanoflowers produced through Close-Spaced Vapour Transport, <u>Lima, Enrique</u> ; Felipe, Carlos; Chávez, Fernando; Guzmán, Ariel	43
Effects of hydrogen doping on the electric properties of TiO <sub>2</sub> thin films, Wu, Hsuan-Chung; <u>Lin, Huey- Jiuan</u> ; Wang, Moo-Chin and lin, Yuan-Yu	44
Structure and thermal properties of WO <sub>3</sub> -doped calcium aluminosilicate glasses, <u>Lin, Huey-Jiuan</u> ; Wu, Hsuan-Chung; Wang, Moo-Chin and Huang, Jiun-Hau	45
Quantum critical magnetism of Fe <sub>3</sub> Mo <sub>3</sub> N and related compounds, <u>Nakamura, Hiroyuki</u> ; Waki, Takeshi; Terazawa, Shinsuke; Tabata, Yoshikazu	46
Influence of the dissimilar crystalline environments on the electronic features of two crystallographically independent molecules. The results of the charge density analysis, <u>Novaković, Sladjana B.</u> ; Francuski, Bojana M.; Bogdanović, Goran A.	47
Structure and superconductivity of cuprates containing Gd <sup>3+</sup> ion Y <sub>1-x</sub> Gd <sub>x</sub> Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> , Ce <sub>0.15</sub> Nd <sub>1.85- x</sub> Gd <sub>x</sub> CuO <sub>4-y</sub> , and Bi <sub>2</sub> Sr <sub>1.5</sub> Nd <sub>0.5-x</sub> Gd <sub>x</sub> CuO <sub>6+y</sub> , <u>Oh-ishi, Katsuyoshi</u> ; Takeda, Atsushi; Hirakawa, Daijyu; Akiyama, Keijyu; Kubota, Daichi and Tanaka, Tetsurou	48
Crystallization kinetics of a two-dimensional system: A molecular dynamics study, <u>Rino, José Pedro</u> ; Gonçalves, Luis Gustavo V.	49
Self-assembly of copper(II) complex of chiral imidazole containing ligand, <u>Tomohiro, Oishi</u> ; Tomotaka, Hashibe; Matsumoto, Naohide	50
Effect of synthesis conditions on the crystal structure and the magnetic properties of BiFeO <sub>3</sub> nanopowders, <u>Rashad, M. Mohamed</u>	51
"Negative chemical" pressure as useful method for phase transition investigations in solids, <u>Seyidov, MirHasan Yu.</u> and Suleymanov, Rauf A.	52
Evidence for an extra-channel ionic conductivity in apatite-type lanthanum silicate: A first-principle study, <u>Siberchicot, Bruno</u>	53
Structural building principles of complex cubic intermetallics, <u>Steurer, Walter</u> ; Dshemuchadse, Julia; Jung, Daniel Y.	54
Preparation, electrical and optical studies of Cu <sub>6</sub> PS <sub>5</sub> I-Cu <sub>6</sub> AsS <sub>5</sub> I superionic solid solutions, <u>Studeniyak I., Kayla M., Izai V., Minets Yu., Orliukas A. Kezionis A, Kazakevicius E., Salkus T.</u>	55
May external perturbation substantially affect negative thermal expansion coefficient of crystals?, <u>Seyidov, MirHasan Yu. and Suleymanov, Rauf A.</u>	56

## Inorganic Materials. Lectures

<b>Tuning of the band-gap of LaSi<sub>3</sub>N<sub>5</sub> ternary nitrides via Eu-doping: Experimental and DFT study, <u>Lencěš, Z.</u></b> ; Benco, L.; Šajgalík, P.; Zhou, Y.; Hirao, K.; Velič, D.	57
<b>Challenges facing inorganic materials for energy storage, <u>Whittingham, M. Stanley</u></b>	58
Single-crystal synthesis, structure and property of Li-ion conducting oxides having garnet- related type structure, Awaka, J.; Takashima A.; Hayakawa, H.; Kijima, N.; Idemoto, Y.; <u>Akimoto, J.</u>	59
Solid state properties and anticancer activity of arsenic sulphide As <sub>4</sub> S <sub>4</sub> particles prepared by nanomilling, <u>Baláž, Peter</u> ; Fabián, Martin, Bujňáková, Zdenka; Sedlák, Ján; Pastorek, Michal; Cholužová, Danka; Kartachova, Olga; Stalder, Bernhardt	60
Oriented SrFe <sub>12</sub> O <sub>19</sub> thin films by chemical solution deposition, <u>Buršík, Josef</u> ; Bezdička, Petr; Drbohlav, Ivo; Knížek, Karel; Kužel, Radomír	61
Phase equilibria and crystal structure of the complex oxides in the Ln – Ba – Co – O (Ln = Nd, Sm) systems, <u>Cherepanov, Vladimir</u> ; Gavrilova, Ludmila; Aksenova, Tatyana	62

Plasma sprayed (APS) coatings of nanometric $\text{Al}_2\text{O}_3$ -13% $\text{TiO}_2$ for photocatalytic application, <u>Ctibor, P.</u> ; <u>Štengl, V.</u> ; Ageorges, H.	63
Towards the design of new bismuth oxo-phosphates, <u>Endara, Diana</u> ; Huvé, Marielle; Colmont, Marie; Mentré, Olivier	64
Surface functionalisation of ordered and non-ordered mesoporous silica with 1,4-diazoniabicyclo[2.2.2]octane derivative: A comparative study of $\text{CuCl}_2$ adsorption on the matrix surface from ethanol solution, <u>Gushikem, Yoshitaka</u> ; Maroneze, Camila M.; Magosso, Hérica A.	65
Mesoporous silica composite catalysts doped with different metal oxides by sol-gel process, <u>Hojo, Junichi</u> ; Yamashita, Shougo; Inada, Miki; Enomoto, Naoya	66
Perovskites blocks assembly in the cobalt oxy-halides: effects of intra- or inter-blocks chemical substitutions, <u>Iorgulescu, Mihaela</u> ; Roussel, Pascal; Tancret, Nathalie; Mentré, Olivier	67
Preparation and properties of LDH-related mixed oxides deposited on $\text{Al}_2\text{O}_3/\text{Al}$ support, <u>Kovanda, František</u> ; Jirátová, Květa	68
Synthesis of functional materials in molten salts, <u>Kuznetsov, S.A.</u>	69
Development of a new biopolymer based on a cellulose acetate/ $\text{Al}_2\text{O}_3$ hybrid support modified with DABCO: synthesis, characterization and application as metal adsorbent, <u>Magosso, Hérica A.</u> ; Gushikem, Yoshitaka	70
Up-conversion properties through site selective doping of hexagonal $\text{KLaF}_4$ , <u>Nagarajan, Rajamani</u> ; Neetu Tyagi; Shahzad Ahmad	71
Search for new multicomponent sulphide phosphors exploiting solution based synthesis methods, <u>Petrykin, Valery</u> ; Ohara, Keishiro; Tezuka, Satoko; Kakihana, Masato	72
Magnetic and catalytic properties of copper ferrite nanopowders synthesized from secondary resources, <u>Rashad, M.M.</u> ; Mohamed, R.M.; Ibrahim, M.A.; Kamal, F.H.; Ismail, L.F.M.; Abdel-Aal, E.A.	73
Crystal-Chemistry: a basic research tool to define and prepare new classes of active materials for Li-batteries, <u>Rozier, Patrick</u> and Dollé, Mickael	74
Thermodynamic behaviour of misfit layer cobaltites, <u>Sedmidubský, David</u> ; Jankovský, Ondřej; Jakeš, Vít; Leitner, Jindřich; Sofer, Zdeněk	75
Ordered mesoporous carbons: Novel solid state materials for electrocatalytic applications, <u>Selvam, Parasuraman</u> ; Kuppan, Ballaiah; Viswanathan, Balasubramanian	76
Production and application of advanced W-based nanopowders, <u>Tolochko, Oleg</u> ; Blinov, Lev N.; Vasilyeva, Ekaterina; Klimova, Olga; Kim B.-K.	77
Wet method synthesis of nanocomposites and mesoporous structures, <u>Trusova, E.A.</u>	78

## Inorganic Materials. Posters

Influence of doping on oxygen permeability in $\text{La}_x\text{Ba}_{1-x}\text{Co}_{1-y}\text{M}_y\text{O}_{3\pm\delta}$ , (M=Fe,Mn) perovskites, Pandis, P.; Sakkas, P.; Sourkouni, G.; <u>Argirusis, Ch.</u> ; Ftikos, Ch.	79
Structural and morphological study of mechanochemically synthesized tin diselenide, <u>Achimovičová, Marcela</u> ; da Silva, Klebson Lucenildo; Myndyk, Maksym	80
Synthesis of $\text{Er}^{3+}$ doped $\text{Sb}_2\text{Se}_3$ nanorods by hydrothermal method and their optical properties, <u>Alemi, Abdolali</u> and Firouzsalar, Younes Hanifehpour	81
Synthesis and characterization of Indium– borate glass-ceramics containing $\text{Ho}_{0.01}\text{Ce}_{0.74}\text{Zr}_{0.25}\text{O}_{1.995}$ nanorods via incorporation method, <u>Alemi, Abdolali</u> ; Khandar, Ali Akbar; Salem, Amin; Kafi – Ahmadi, Leila	82
Synthesis and characterization of $\text{Lu}^{3+}$ doped $\text{Sb}_2\text{S}_3$ micro crystals via hydrothermal route and their optical properties, <u>Alemi, Abdolali</u> and Firouzsalar, Younes Hanifehpour	83
Preparation and characterization of $\text{Sb}_6\text{O}_{13}$ nanocrystals by hydrothermal method, <u>Alemi, Abdolali</u> and Aghdam, Elham Ghavidel	84
Influence of monovalent modifier in the composition of glass on ion exchange process and “burying” of planar optical waveguide layer, <u>Altšmíd, J.</u> , Nekvindova, P., Míka, M. and Spirkova, J.	85
Preparation of perovskite oxide based proton conducting materials and membranes, <u>Argirusis, Christos</u> ; Stathopoulos, Vassilis; Sourkouni, Georgia	86

Synthesis of titano-silicate-type zeolite and Ni deposition into pore, <u>Muramatsu, Atsushi</u> ; Yoji, Sunagawa; Katsutoshi, Yamamoto; Kayo, Tokairin	87
Nanoparticles as pinning centres for bismuth superconductors, <u>Bartůněk, Vilém</u> ; Smrčková, Olga	88
Synthesis and characterization of iron(III)phosphate, <u>Baykan, Demet</u> ; Öztaş Altuntaş, Nursen	89
In <sub>5.5+x</sub> Sb <sub>1.5-3x</sub> W <sub>2x</sub> O <sub>12</sub> solid solution: structural characterization and physical properties, <u>Bizo, Liliana</u> ; Choynet, Jacques	90
New silica containing hydroxyapatite coatings by flame spraying deposition, Barabás, Réka; Bogya, Erzsébet; <u>Bizo, Liliana</u> ; Dejeu, Valentina;	91
Phases forming in the solid state in the system FeVO <sub>4</sub> – Cu <sub>3</sub> V <sub>2</sub> O <sub>8</sub> , <u>Blonska-Tabero, Anna</u> and Ptazkiewicz, Marta	92
The temperature of precipitation of the MCM-41 silicas, <u>Borówka, Anna</u>	93
Obtaining of indium(III) phosphates(V) in the solid state and their thermal stability, <u>Bosacka, Monika</u>	94
Preparation of thin optical active layers by localised Er <sup>3+</sup> doping into lithium niobate single crystal, <u>Cajzl, J.</u> ; Nekvindova, P.; Svecova, B.; Mackova, A.; Malinsky, P.; Oswald, J.; Kolitsch, A. and Spirkova, J.	95
Effect of stacking fault on the thermoelectrical properties of Mo <sub>1-x</sub> Ta <sub>x</sub> Se <sub>2</sub> , <u>Choi, Sun-Eui</u> ; Chung, Jaehoon; Kim, Jong-Young; Park, Cheol-Hee; Kim, Tae-Hoon; Kim, Seung-Joo	96
Structure and phase composition of V-Al-N alloy, <u>Chumarev, V.M.</u> ; Selmenskikh, N.I., Larionov, A.V.	97
Phase diagram and electrical conductivity of DyCl <sub>3</sub> -AgCl binary system, <u>Chojnacka, Ida</u> and Gaune-Escard, Marcelle	98
Study of the mechanism of Cu-Zn mechanical alloying. A new “mechanochemical equilibrium” phase diagram, <u>Criado, J.M.</u> ; Diánez, M.J. and Donoso, E.	99
Synthesis and basic properties of new solid solutions in the FeVSbO <sub>6</sub> – CrVSbO <sub>6</sub> system, <u>Dabrowska, Grazyna</u> ; Filipek, Elzbieta; Gorska, Anna	100
Stabilization of a distorted tetragonal ANbO <sub>4</sub> and preparation of pyrochlore-type A <sub>3</sub> NbO <sub>7</sub> compounds (A = Y, Ln) from molecular precursors, <u>Deligne, Nicolas</u> ; Devillers, Michel	101
Soft synthesis and crystallographic characterization of magnesium based double alkaline earth carbonates, <u>Diánez M.J.</u> , Criado, J.M., Pérez-Maqueda L.A and Perejón A.	102
Synthesis and photoelectronic properties of layered titanate nanostructures, <u>Diwald, Oliver</u> ; Riss, Alexander; Elser, Michael and Bernardi, Johannes	103
Hydrothermal synthesis of iron oxide particles with controllable shape and size, <u>Dong, Q.</u> , Kumada, N.; Takei, T.; Yonesaki, Y. and Kinomura, N.	104
Kinetics of mechanochemical synthesis of Sb <sub>2</sub> S <sub>3</sub> and Bi <sub>2</sub> S <sub>3</sub> nanoparticles, <u>Dutková, Erika</u> ; Takacs, Laszlo; Baláž, Peter; Kováč, Jaroslav, Šatka, Alexander	105
Mechanochemical synthesis of BaTiO <sub>3</sub> , <u>Fabián, M.</u> ; K.L. da Silva, F.; Briančin J.	106
Growth and characterization of coiled carbon nanotubes, <u>Fejes, Dora</u> ; Hernadi, Klara	107
Hydrogen production from steam reforming of bio-alcohols on the molybdenum-antimony oxides catalysts, <u>Filipek, Elzbieta</u> ; Rakoczy, Jan; Wieczorek-Ciurowa, Krystyna; Niziol, Joanna	108
Phase relations in the solid state in the V <sub>2</sub> O <sub>5</sub> -Nb <sub>2</sub> O <sub>5</sub> -Sb <sub>2</sub> O <sub>4</sub> ternary system, <u>Filipek, Elzbieta</u> ; Piz, Mateusz; Dziubek, Karolina	109
Nanosized iron-containing oxide ceramics prepared by sol-gel method, <u>Gatelyte, Aurelija</u> ; Jasaitis, Darius; Beganskiene, Aldona; Kareiva, Aivaras	110
Metallic cements obtained by interaction of mechanocomposite Cu/Bi with liquid gallium, <u>Grigoreva T. E.</u> ; Kovaliova, S.A.; Becker, K.D.; Šepelák, V.; Barinova, A.P.; Lyakhov, N.Z.	111
Solid-phase oxidation of sulphide-metal alloys of copper and nickel, <u>Gulyaeva, R.I.</u> ; Selivanov, E.N.; Udoeva, L.Y., Verchinin, A.D.	112
Magnetic properties of quadruple perovskites Ba <sub>4</sub> LnM <sub>3</sub> O <sub>12</sub> (Ln=rare earths; M=Ru, Ir), <u>Hinatsu, Yukio</u> ; Shimoda, Yuki; Doi, Yoshihiro; Wakeshima, Makoto	113
Combustion synthesis of titanium carbide-nickel-molybdenum cermet: Role of mechanical activation, <u>Hobosyan M.A.</u> , Hovhannisyán L.H., Manaseryán L.G., Khachatryan H.L., Kharatyan S.L.	114
Role of increasing As/Sb molar ratio on thermal properties of As-Sb-S glasses, <u>Holubová, Jana</u> ; Černošek, Zdeněk and Černošková, Eva	115
Trends observed in phase diagrams of binary systems lanthanide bromide – alkali metal bromide, <u>Ingier-Stocka, Ewa</u> ; Rycerz, Leszek and Gaune-Escard, Marcelle	116
The thermodynamic properties of solid compounds in ABr-LnBr <sub>3</sub> (A = K, Rb, Cs, Ln = Ce, Pr) systems, <u>Kapała, Jan</u>	117
Crystal structure of lithium inserted α-MnO <sub>2</sub> , <u>Kijima, Norihito</u> ; Kataoka, Kunimitsu; Sakao, Mitsumasa; Awaka, Junji; Akimoto, Junji	118
Structure transformation of CuRh <sub>2</sub> O <sub>4</sub> , <u>Kijima, Norihito</u> ; Kataoka, Kunimitsu; Awaka, Junji; Hayakawa, Hiroshi; Akimoto, Junji; Nagata, Shoichi	119
Study of the thermoelectric properties of a titanium doped sodium cobaltite Na <sub>x</sub> (Co <sub>1-y</sub> Ti <sub>y</sub> )O <sub>2</sub> (x~1 and y<0.15), <u>Kirakci, Kaplan</u> ; Buršík, Josef; Knížek, Karel	120
Phase formation upon reduction of vanadium, niobium, and tantalum pentoxides with aluminium nitride, <u>Larionov, A.V.</u> ; Chumarev, V.M., Marievich, V.P.	121

Sonochemical synthesis of diluted magnetic semiconducting oxides, <u>Lisboa-Filho, Paulo</u> ; Morilla-Santos, Cassio; Catto, Ariadne; Arruda, Larisa	122
Copper containing waveguiding layers in novel silicate glass, <u>Malichova, Hana</u> ; Mika, Martin; Tresnakova, Pavlina and Spirkova, Jarmila	123
Separation of strontium from liquid radioactive wastes: A comparison of three different inorganic sorbent, <u>Merceille, Aurélie</u> ; Barré, Yves; Grandjean, Agnès	124
Synthesis and characterization of $Ce_{1-x}Pr_xPO_4$ phosphates obtained by different synthesis routes, <u>Matraszek, Aleksandra</u> and Szczygieł Irena	125
Epitaxy of elastically strained layers of Zn-Cd-Te solid solutions, <u>Moskvin P.P.</u> , Kuznetsov V.V., Rashkovetskyi L.V.	126
Mechanochemical synthesis of stoichiometric nickel and nickel-zinc ferrite powders with Nicolson-Ross analysis of absorption coefficients, <u>Nikolić A.S.</u> , Jovalekić Č., Gruden-Pavlović M. and Pavlović M. B.	127
New phases in the $BaMn_{0.85}Ti_{0.15}O_{3-δ}$ system: Structure-properties relationships of 4H and 9R-polytypes., <u>Parras, M.</u> ; Miranda L; Ramírez-Castellanos, J.; Hernando, M.; Boulahya, K.; Varela, A.; González-Calbet, J.M. and Sinclair, D.	128
Preparation of nickel-containing porous zirconia, <u>Peters, Andreas</u> ; Lutecki, Michal; Gläser, Roger	129
Influence of decomposition atmosphere in sol-gel process on precursor grain size and on microstructure of thermoelectric $Ca_3Co_{4-x}O_{9+δ}$ ceramics, <u>Rubešová, Kateřina</u> ; Hlásek, Tomáš; Sedmidubský, David; Hejtmánek, Jiří	130
Synthesis, structure and functional properties of microporous metal-organic frameworks, <u>Sapchenko Sergey</u> ; Samsonenko, Denis G. and Fedin, Vladimir P.	131
Creation of a homogeneous micro relief on a surface of silicate glasses, <u>Semencha, A.V.</u> ; Blinov, L.N.	132
Ferroelectric property of $(Ba_{1-2x}Bi_{2x})(Ti_{1-x}Cu_x)O_3$ ( $x \leq 0.05$ ) ceramics, <u>Shiroki, K.</u> ; Kumada, N.; Ogiso, H.; Yonesaki, Y.; Takei, T.; Kinomura, N.; Wada, S.	133
Materials for medical applications based on alkali dihydrophosphates and calcium hydroxyapatite, <u>Shiryaev, Mikhail</u> ; Reshotka, Daria; Safronova, Tatiana; Putlyaev, Valery	134
Transition metal doped zinc oxide, <u>Sofer, Zdeněk</u> ; Sedmidubský, David; Leitner, Jindřich; Huber, Štěpán; Soferová, Lýdie; Maryško, Miroslav; Hejtmánek, Jiří	135
Rapid synthesis of Ga nitrides through ammonolysis, <u>Sofer, Zdeněk</u> ; Sedmidubský, David; Leitner, Jindřich; Huber, Štěpán; Maryško, Miroslav and Hejtmánek, Jiří	136
Ion exchange in a new Zn-Er silicate glass - the way of diffusion coefficient calculation, <u>Staněk, S.</u> , Nekvindova, P., Oswald, J., Svecova, B., Míka, M. and Spirkova, J.	137
Novel silicate glasses for NIR applications, <u>Stará, Stanislava</u> ; Špírková, Jarmila; Míka, Martin; Oswald, Jiří and Potůček, Zdeněk	138
Silicate glasses doped with $Ag^+$ ions: The comparison between the ion-exchange and ion implantation, <u>Svecova, Blanka</u> ; Nekvindova, Pavla; Kormunda, Martin; Mackova, Anna; Malinsky, Petr; Pesicka, Josef; Spirkova, Jarmila	139
Studies on $Ni_2FeVO_6$ and $FeNb_{49}O_{124}$ by the help of IR and Mössbauer spectroscopy, <u>Tabero, Piotr</u> ; Blonska-Tabero, Anna; Szilagyi, Petra and Homonnay, Zoltan	140
Synthesis of $FeNb_{11}O_{29}$ by the solution method, <u>Tabero, Piotr</u> and Homonnay, Zoltan	141
Preparation and characterization of new lead-free ceramics related to $CaTiO_3$ , <u>Taïbi-Benziada, Laldja</u> ; Talantikite, Djahida; Khereddine, Yazid; Kerdja, Tahar	142
Synthesis and characterization of new $CuMo_xW_{1-x}O_4$ solid solution, <u>Tomaszewicz, E.</u> ; Filipek, E.; Moszyński, D.; Kaczmarek, S.M.; Leniec, G.	143
Physical and structural properties of $TeO_2 \cdot PbCl_2 \cdot PbF_2$ glasses, prepared in Au or Pt crucibles, doped with $Pr^{3+}$ or $Er^{3+}$ , in various chemical forms, <u>Trnovcová, Viera</u> ; Kubliha, Marian; Furár, Ivan; Kadlečiková, Magda; Pedlíková, Jitka	144
Electrical properties of isostatically pressed alumina ceramics, <u>Trnovcová, Viera</u> ; Hanic, František; Štubňa, Igor; Furár, Ivan	145
Nanostructured composites on basis of $CeO_2$ : Synthesis and catalytic activity in low-temperature oxidation of CO, <u>Zagainov, I.V.</u> ; <u>Trusova, E.</u> and Pisarev, S.A.	146
Sorption of $Cd^{2+}$ and $As^{3+}$ ions by mechanochemical activated olivine $(Mg,Fe)_2SiO_4$ , <u>Turianicová, Erika</u> ; Bujňáková, Zdenka; Baláž, Peter	147
Synthesis of high surface area mesoporous silica powder and shape control the morphology by sol-gel method, <u>Ui, Sang-Wook</u> ; Choi, Jae-Seok; Choi, Sung-Churl	148
Sol-gel technique, texture and morphology of superdispersed ZnO powders for use in electronics and optoelectronics, <u>Vokhmintsev, K.V.</u> ; Trusova, E.A.	149
Phase transformation and crystallite growth of 2 mol% yttria-partial stabilized zirconia (2Y-PSZ) nanocrystallite powders by co-precipitation process for dental application, Lee, Huey-Er; Sie, Yu-You; Wang, Chau-Hsiung; Huang, Hong-Hsin; <u>Wang, Moo-Chin</u>	150
Formation of micronanocomposite powders in CuO-FeSi system by soft mechanochemical processing, <u>Wieczorek-Ciurowa, Krystyna</u> ; Habdank-Wojewódzki, Tadeusz and Oleszak, Dariusz	151
Mechanochemical synthesis of copper-doped calcium titanate, <u>Wieczorek-Ciurowa, Krystyna</u> and Dulian, Piotr	152

Synthesis of Mn-Zn ferrite using modified sol-gel auto-combustion method, <u>Szczygieł, Irena</u> ; <u>Winiarska, Katarzyna</u>	153
Synthesis and characterization of TiO <sub>2</sub> nanotubes at low-middle temperatures by a hydrothermal route, <u>Yang, Wein-Duo</u> ; <u>Hsieh, Ching-Shieh</u> ; <u>Chung, Zen-Ja</u> ; <u>Chueng, Hui-Ju</u>	154
Oxygen nonstoichiometry, defect structure and defect-induced expansion of advanced oxide materials, <u>Zuev, Andrey</u> ; <u>Sereda, Vladimir</u> ; <u>Tsvetkov, Dmitry</u>	155

## Hybrid Materials. Lectures

<b>Fluorescence resonance energy transfer between rhodamine cations in colloids and thin films of layered silicates</b> , <u>Bujdák, Juraj</u> ; <u>Iyi, Nobuo</u>	156
<b>An overview of Metal-Organic Frameworks: from giant cell to the breathing effect</b> , <u>Millange, Franck</u> ; <u>Guillou, Nathalie</u> ; <u>Serre, Christian</u> ; <u>Férey, Gérard</u> ; <u>Walton, Richard I.</u>	157
Supercritical route for super hybrid materials, <u>Tadafumi, Adschiri</u>	158
Drug-carrying layered double hydroxides supported on magnetic core: Novel bioinorganic nanocomposites for magnetic drug delivery, <u>Ay, Ahmet Nedim</u> ; <u>Zümreoglu-Karan, Birgül</u> ; <u>Rives, Vicente</u> ; <u>Temel, Abidin</u> ; <u>Konuk, Deniz</u>	159
Oriented films of zinc hydroxides, <u>Demel, Jan</u> ; <u>Bezdička, Petr</u> ; <u>Janda, Pavel</u> ; <u>Klementová, Mariana</u> ; <u>Pleštil, Josef</u> ; <u>Lang, Kamil</u>	160
Studies of particle dispersion in elastomeric polyurethane/organically modified montmorillonite nanocomposites, <u>Dimitry, O.I.H.</u> ; <u>Abdeen, Z.</u> ; <u>Ismail, E.A.</u> ; <u>Saad, A.L.G.</u>	161
Design of homochiral porous metal-organic coordination polymers for enantioselective separation, <u>Fedin, Vladimir P.</u>	162
Synthesis of new layered and framework anion exchangeable hydroxides, <u>Fogg, Andrew M.</u> ; <u>McIntyre, Laura J.</u> ; <u>Goulding, Helen V.</u> ; <u>Hulse, Sarah E.</u> ; <u>Prior, Timothy J.</u> ; <u>Clegg, William</u>	163
Porphyrin-LDH hybrids as novel photofunctional materials, <u>Káfuňková, Eva</u> ; <u>Lang, Kamil</u> ; <u>Kubát, Pavel</u> ; <u>Leroux, Fabrice</u> ; <u>Taviot-Guého, Christine</u>	164
Inclusion compounds based on mesoporous metall-organic framework MIL-101 and Mo and Re clusters and Keggin-type polyoxometallates, <u>Kovalenko, K.A.</u> ; <u>Berdonosova, E.A.</u> ; <u>Klyamkin, S.N.</u> ; <u>Maksimchuk, N.V.</u> ; <u>Kholdeeva, O.A.</u> ; <u>Fedin, V.P.</u>	165
Thermally metastable transition metal nitrides for metamaterials, <u>Ryoji, Saito</u> ; <u>Yuji, Masubuchi</u> ; <u>Teruki, Motohashi</u> ; <u>Shinichi, Kikkawa</u>	166
Metal-organic frameworks based on metal-organic supramolecules, <u>Lah, Myoung Soo</u> ; <u>Oh, Minhak</u>	167
Designed synthesis of monodisperse metal/platinum core/shell nanoparticles and their catalytic properties for the PROX reaction, <u>Sato, Ryota</u> ; <u>Ito, Shin-ichi</u> ; <u>Kanehara, Masayuki</u> ; <u>Tomishige, Keiichi</u> ; <u>Teranishi, Toshiharu</u>	168
Drastic structural transformation of Cd chalcogenide nanoparticles using chloride ions and surfactants, <u>Saruyama, Masaki</u> ; <u>Kanehara, Masayuki</u> ; <u>Teranishi, Toshiharu</u>	169
Advanced characterizations for nanostructured LDH-hybrid materials, <u>Taviot-Gueho, Christine</u> ; <u>Leroux, Fabrice</u>	170
Hybrid materials containing gallium-sulphide supertetrahedral clusters, <u>Vaqueiro, Paz</u> ; <u>Romero, M. Lucia</u>	171
Facile synthesis and film formation of magnetic FeCo nanoparticles with graphitic carbon shells, <u>Yamada, Mami</u> ; <u>Shinji, Okumura</u> ; <u>Kohta, Takahashi</u>	172
Design of homochiral porous metal-organic coordination polymers based on chiral malates and aspartates, <u>Yutkin, M.P.</u> ; <u>Dybtsev, D.N.</u> ; <u>Fedin, V.P.</u>	173
Intercalation chemistry of several new host materials based on metal organophosphonates, <u>Zima, Vítězslav</u> ; <u>Svoboda, Jan</u> ; <u>Melánová, Klára</u> ; <u>Beneš, Ludvík</u> ; <u>Růžička, Aleš</u>	174

## Hybrid Materials. Posters

- Laponite-clay functionalized for Nafion nanocomposite membranes in the PEM fuel cells applications: water mobility and mechanical properties, Isabella, Nicotera; Enotiadis, Apostolos; Angjeli, Kristina; Rossi, Cesare Oliviero; Coppola, Luigi; Ranieri, Giuseppe A.; Gournis, Dimitrios 175
- Synthesis and characterization of hybrid mesoporous silicas containing geminal methyl groups, Borówka, Anna; Buda, Waldemar 176
- Synthesis and structural characterization of hybrid materials containing pravastatin drug intercalated into layered double hydroxide, Constantino, Vera R.L.; Cunha, Vanessa R. R.; Leroux, Fabrice; Taviot-Guého, Christine 177
- A novel hybrid nanomaterial derived from a polyhedral oligomeric silsesquioxane cage for application in adsorption of metal ions and oxidation catalysis, Dias Filho, Newton Luiz; Perujo, Sérgio D.; Pipi, Reginaldo R.; Bastos, Andréa C.; Silva, Niléia C. 178
- Glassy state lanthanide complexes for highly effective luminescent composites, Dzhabarov, Vagif; Molostova, Elena; Knyazev, Andrey 179
- Novel polymer/titanium composite of core-shell morphology as photocatalyst, Kierys, Agnieszka; Waldemar, Buda; Jacek, Goworek 180
- Polymer templating for preparation of inorganic nanoparticles, Kierys, Agnieszka; Buda, Waldemar; Zaleski, Radek; Goworek, Jacek; Marek, Dziadosz; Grochowicz, Marta 181
- A new nanocomposite architecture: Prolate spheroidal hematite particles with equatorial layered double hydroxide disks, Konuk, Deniz; Ay, Ahmet Nedim; Zümreoglu-Karan, Birgül 182
- Intercalation of salicylate into layered double hydroxide hosts, Kovanda, František; Maryšková, Zuzana; Ctiborová, Kamila 183
- Preparation of homogeneous TiO<sub>2</sub>/MWNT composites with impregnation method, Németh, Zoltán; Dieker, Christel; Alexander, Duncan; Forró, László; Seo, Jin Won; Hernádi, Klára 184
- New inorganic-organic hybrid materials with framework layers, Nicholls, Jennifer L.; Hulse, Sarah E.; Callear, Samantha K.; Stephenson, Richard A.; Fogg, Andrew M. 185
- Poly(dimethylsiloxane) elastomeric networks modified with 3-picoline, preparation, characterization and metal adsorption studies, Santos dos, Mirian Paula; Gushikem, Yoshitaka; Yoshida, Inez V. P. 186
- New low-dimensional anorganic-organic hybrids based on copper phosphonates: The synthesis and structure, Svoboda, Jan; Zima, Vítězslav; Melánová, Klára; Beneš, Ludvík; Yang, Ya-Ching; Wang, Sue-Lein 187
- A novel method to evenly dispersed carbon nanotubes and nanofibers in a metal matrix, Koltsova, Tatiana S., Ryabchinskaya, Luydmila V.; Nasibulina, Larisa I.; Nasibulin, Albert G.; Tolochko, Oleg; Blinov, Lev; Kauppinen, Esko I. 188
- Panosopic assembling of ceria nanoparticles with plate-like semiconductors by co-precipitation and sol-gel methods for UV-shielding application, Sato, Tsugio; Liu, Xiangwen; Yin, Shu 189

## Electrochemistry of Solids. Lectures

- Electrochemical and photochemical synthesis of transition metal complexes with controlled morphologies and other technologically important characteristics,** Bond, Alan 190
- Fundamentals of oxygen reduction in aqueous and non aqueous environments: Electrocatalytic pathways and challenges,** Mukerjee, S.; Abraham, K. M.; Olaoire, C.; Trahan, M. and Allen, C 191
- Understanding local structure of doped RuO<sub>2</sub>-based electrocatalytic materials, Petrykin, Valery; Macounová, Kateřina; Franc, Jiří; Okube, Maki; Krtil, Petr 192
- Self-organized TiO<sub>2</sub> nanotubes as materials for a new generation of Li-ion micro-batteries, Lavela, Pedro; Ortiz, G.F.; Tirado, J.L.; Hanzu, I.; Djenizian, T.; Knauth, P. 193
- Mechanistic aspects of electrocatalysis on doped RuO<sub>2</sub>, Macounová, K.; Petrykin, V.; Franc, J.; Krtil, P. 194
- Disorder and vacancies in Fe-hexagonal perovskite promoted by F<sup>-</sup>/O<sup>2-</sup> substitution: a way to enhance low-temperature oxygen mobility, Sturza, Mihai-Ionut; Daviero-Minaud, Sylvie; Kabbour, Houria; Mentré, Olivier 195

The effect of saccharin on the Ni-W alloy deposition, Wang, L. M.; Ke, S.T.; Lin, H.C.; and Chen, C.C. 196

## Electrochemistry of Solids. Posters

- Nb<sub>2</sub>O<sub>5</sub> film on SiO<sub>2</sub>/C carbon ceramic: simultaneous determination of ascorbic acid dopamine and uric acid, Arenas, Leliz T.; Arguello, Jacqueline; Landers, Richar; Gushikem, Yoshitaka 197
- Electrochemical behaviour of combined silicon carbide and boron carbide, solid state electrodes in ionic melts, Gab, Angelina; Shakhnin, Dmitrii; Malyshev, Victor 198
- TiO<sub>2</sub> thin film coating on metal electrode by sol-gel process for dye-sensitized solar cell, Han, Chi-Hwan and Cho, Tae-Yeon 199
- Preparation and photoelectrochemical characterization of antimony oxide nanocrystalline thin film for application to dye-sensitized solar cell, Kim, Ji-Hye; Kim, Sung-Chul; Jang, Ji-yeon; and Kim, Seung-Joo 200
- Thin film microbatteries - fabrication and electrochemical performance, Feng, J.K. Xia, H., Lai, M.O., and Lu, L. 201
- The model of electrochemical oxidation of dispersion sulphide copper-nickel alloys, Selivanov, E.N.; Nechvoglod, O.V.; Mamyachenkov, S. V 202
- BIMEVOX solid solutions as possible materials for membranes of electrochemical devices, Morozova, Maria V.; Buyanova, E.S.; Emelyanova, Ju.V.; Mihailovskaya, Z.A.; Shatohina, A.N.; Petrova S.A.; Zhukovskiy, V.M. 203
- Chemical synthesis of the nanostructured polyaniline using liquid-solid interface polymerization and its distinct properties, Mu, Shaolin 204
- Molybdenum carbide electrodeposition onto semiconducting materials surface in ionic melts, Shakhnin, Dmitrii; Gab, Angelina; Malyshev, Victor 205
- Study of the oxide film on surface of aluminium alloy, Ting, Yung Chiang; Hsu, Pe Ming; Chen, Hui Li; Peng, Hsin Shu; Shy, Shyi Long 206
- Oxygen nonstoichiometry and charge transfer in double perovskites GdBaCo<sub>2-x</sub>M<sub>x</sub>O<sub>6-d</sub> (M=Mn, Fe, x=0, 0.2), Tsvetkov, Dmitry; Sereda, Vladimir; Urusov, Igor; Ivanov, Ivan; Zuev, Andrey 207
- Concentration evolution of conductivity nature and magnitude of {Me<sup>n+</sup><sub>2/n</sub>WO<sub>4</sub> - WO<sub>3</sub>} (Me= Ca, Sr, Ba, Sc) eutectic composites, Karapetyan, Anastasia; Pestereva, Natalya; Neiman, Arkady 208

## Analysis and Characterisation of Solids. Lectures

- High resolution NMR of inorganic solids. From simple characterization to NMR crystallography, Dědeček, Jiří** 209
- The characterization of iron zeolites, Pirngruber, Gerhard D.** 210
- Zinc oxide scaffolds on MgO nanocubes, Diwald, Oliver; Stankic, Slavica; Sternig, Andreas; Finocchi, Fabio; Bernardi, Johannes 211
- Highlights on Fe<sup>3+</sup> complexes on CeO<sub>2</sub> structure coupling Electron Paramagnetic Resonance, Mössbauer spectroscopy and Transmission Electron Microscopy techniques. Correlation between CeO<sub>2</sub>:Fe<sup>3+</sup> microstructure and reactivity properties, Feral-Martin, Cédric; Duttine, M., Wattiaux, A.; Demourgues, A.; Jolly, J.; Pavageau, B. and Majimel, J. 212
- New chalcogenide glasses in the CdTe-Agl-As<sub>2</sub>Te<sub>3</sub> system: Conductivity and silver tracer diffusion measurements, Kassem, M.; Alekseev, I.; Le Coq, D.; Bychkov, E. 213
- The size controlled growth and the field emission properties of Sn-doped AlN nanostructures by HVPE method, Park, Young-Jong; Choi, Jae-Seok; Park, Min-Hye; Choi, Sung-Churl 214
- Pressure-induced multiphase state generation and phase transitions in semiconductors analyzed by Raman scattering, Pizani, Paulo Sergio and Jasinevicius, Renato Goulart 215
- First order phase transition and optical properties of Co<sub>1-x</sub>Mg<sub>x</sub>MoO<sub>4</sub> and Co<sub>1-x</sub>Zn<sub>x</sub>MoO<sub>4</sub>, Robertson, Lionel; Gaudon, M.; Penin, N.; Gorsse, S. and Demourgues, A. 216



## Analysis and Characterisation of Solids. Posters

- Solubility and mobility of C<sub>3</sub>H<sub>6</sub> and C<sub>3</sub>H<sub>8</sub> in 13X zeolites by isothermal adsorption characterization in kinetic and equilibrium conditions, Agostino, Raffaele Giuseppe, Maccallini, Enrico, Policicchio, Alfonso, Golemme, Giovanni, Buonomenna, Maria Giovanna, Jansen, Johannes Carolus 217
- Advantages of precession electron diffraction (PED) in ab initio structural fingerprinting of nanocrystalline TiO<sub>2</sub> mixtures: automated crystallite orientation and phase maps, Bakardjieva, Snejana; Štengl, Václav; Šubrt, Jan; Portillo, Joaquim; Veron, Muriel; Rauch, Edgar; Nicolopoulos, Stavros; Sarakinou, Eleni 218
- Synthesis and characterization of rare earth oxyapatite, Ca<sub>8</sub>Ln<sub>2</sub>(PO<sub>4</sub>)<sub>6</sub>O<sub>2</sub> (Ln= Gd, Dy), Demirozu-Senol, Sevim; Ozen-Kahveci, Gulden and Uztetik-Morkan, Ayse 219
- Microcalorimetric study of CO<sub>2</sub> adsorption on M<sup>+</sup>-FER, Frydova, Eva; Frolich, Karel; Čičmanec, Pavel; Bulánek, Roman 220
- Raman scattering analysis of highly doped semiconductor superlattices, Galzerani, José Cláudio; Rodrigues, Ariano de Giovanni; Pusep, Yuri Alexander 221
- Successive ionic layer deposition of Ag nanoclusters, Korotcenkov, Ghenadii; Cho, Beongki; Gulina, Larisa and Tolstoy, Valery 222
- Modelling of vibrational spectra of non-crystalline solids by molecular simulations, Macháček, Jan; Gedeon, Ondřej; Liška, Marek; Kostka, Petr 223
- Solid-state synthesis and characterization of novel xenotime type rare-earth borophosphate, LnBP<sub>2</sub>O<sub>8</sub>, Özen Kahveci, Gülden; Demirözü Şenol, Sevim; Morkan, İzzet; Uztetik Morkan, Ayşe 224
- The solvent vapour pressure effect on phase transition rates of α- and β- forms of tegafur, Petkune, Sanita; Bobrovs, Raitis; Actiņš, Andris 225
- Structural analysis of the Ni, Mo and NiMo alumina supported hydrotreating catalysts, Priecel, Peter; Čapek, Libor; Kubička, David; Brychtová, Marie 226
- Aspects of relative rate of reaction/process, Mianowski, Andrzej and Siudyga, Tomasz 227
- Fe(III) and V(V) species in supported catalysts: Analysis and performance in oxidative dehydrogenation of ethane, Smoláková Lucie; Adam Jiří; Grygar Tomáš; Čapek Libor 228
- Phase transitions and optical absorption edge in sulphur implanted Cu<sub>6</sub>PS<sub>5</sub>Br superionic conductors, Studenyyak, I.; Izai, V.; Stephanovich, V.; Panko, V.; Kúš, P.; Plecenik, A. 229
- Study of the reversible CaMnO<sub>3</sub> ↔ CaMnO<sub>2</sub> reduction-oxidation process, Varela, A.; de Dios, S.; Hernando, M.; Parras, M.; Landa-Canovas, A.; González-Cálbet, J.M. 230
- Thermal stability of 3-(2,2,2-trimethylhydrazine)propionate, Veldre, Kaspars, Actiņš, Andris, Kalniņa, Anete 231
- Author Index** 232