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- T1-O2** **A ^{57}Fe MÖSSBAUER SPECTROSCOPY STUDY OF IRON NANO PARTICLES OBTAINED IN SITU IN CONVERSION ELECTRODES**
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- T1-O3** **EFFECT OF ALUMINIUM ON THE HYPERFINE FIELD AND CRYSTALLIZATION BEHAVIOUR OF NANOPERM**
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- T1-O7** **MÖSSBAUER SPECTROSCOPY AND X-RAY DIFFRACTION OF HIGH ENERGY BALL-MILLED $\text{Fe}_2\text{O}_3/\text{TiO}_2$ COMPOSITE**
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- T1-O8** **MAGNETIC DYNAMICS OF NANOPARTICLES IN STATIC AND RADIO FREQUENCY RANGES**
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- T1-O9** **STRUCTURAL TRANSFORMATIONS IN NANOPERM-TYPE ALLOYS STUDIED BY MOSBAUER SPECTROMETERY AND DIFFRACTION OF SYNCHROTRON RADIATION**
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- T1-P3** **MOSSBAUER EFFECT STUDIES ON MIXED LITHIUM-ZINC FERRITES PREPARED BY SOLUTION COMBUSTION METHOD**
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- T1-P6** **COMPARATIVE STUDY OF THE STRUCTURAL AND MAGNETIC PROPERTIES OF BULK AND NANOSTRUCTURED $\text{Fe}_2\text{Cr Al}$**
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- T1-P10** **MÖSSBAUER STUDY OF NANO-CRYSTALLINE Li-Zn FERRITES**
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- T1-P13** **MOSSBAUER INVESTIGATION OF COBALT FERRITE NANOPARTICLES SYNTHESISED IN STYRENE-DIVINYLBENZEENE COPOLYMER MICROSPHERES**
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- T2-O2** SURFACE SPIN DISORDER IN NICKEL FERRITE NANOMAGNETS STUDIED BY IN-FIELD MOSSBAUER SPECTROSCOPY
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- T2-O3** MOSSBAUER AND ATOM PROBE TOMOGRAPHY CHARACTERISATION OF FINE PRECIPITATION IN MAGNETORESISTIVE CuFeNi RIBBONS
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- T2-O4** MOSSBAUER SPECTROSCOPY OF Co₂Mn_{1-x}Fe_xAl AND Co₂Mn_{1-x}Fe_xSn
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- T5-P2 SYNTHESIS AND SPECTROSCOPIC INVESTIGATION OF IRON(III) COMPLEXES OF N'-(THIOAROYL)PYRIDINE-2-CARBOHYDRAZIDES.**
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- T5-P3 MÖSSBAUER STUDIES ON ALKALINE EARTH FERRITES PREPARED BY THE COMBUSTION OF METAL NITRATE-OXALYL DIHYDRAZIDE SOLUTIONS**
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- T5-P4 MÖSSBAUER STUDY OF Fe-POLYGALACTURONATE COORDINATION COMPOUNDS**
Judith Fodor, Ernő Kuzmann, Attila Vértes, Zoltán Homonnay, Zoltán May, Klára Szentmihályi
- T5-P5 MÖSSBAUER INVESTIGATION OF THE VALENCE STATE AND LOCALIZATION SITES OF TIN DOPANT CATIONS IN ANTIFERROMAGNETIC FeTiO_3**
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- T5-P7 MÖSSBAUER STUDY OF MAGNETIC RELAXATION PHENOMENON IN THE $\text{NaFeEDTA}(\text{H}_2\text{O})\cdot 2\text{H}_2\text{O}$ COMPLEX**
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- T5-P8 MÖSSBAUER STUDY OF $[\text{Fe}(\text{DIOXIMATO})_n\text{L}_2]$ MIXED COORDINATION COMPOUNDS**
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- T5-P9 MOSSBAUER STUDIES OF Fe (III) COMPLEXES WITH 8-HYDROXYQUINOLINE-DIAMINE-FORMALDEHYDE TERPOLYMERS**
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- T5-P10 MÖSSBAUER STUDY OF PENTAVALENT STATES OF IRON AND COBALT IN MANGANATE (V) CONTAINING MATRICES**
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- T5-P11 BONDING NATURE BETWEEN RARE EARTH METAL IONS– LIGAND BONDING PROVED BY ^{151}Eu AND ^{155}Gd MÖSSBAUER SPECTROSCOPY**
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- T5-P12 ^{57}Fe MÖSSBAUER STUDY OF IRON (II) 1D 1, 2, 4-TRIAZOLE CHAINS – ANTIFERROMAGNETISM AND SPIN CONVERSION**
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- T5-P14 REACTIONS OF ^{57}Mn IMPLANTED INTO $\gamma\text{-O}_2$**
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- T5-P16 MIXED VALENCE STATES IN COBALT IRON CYANIDES**
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- T5-P17 MÖSSBAUER SPECTROSCOPY OF LANTHANUM AND HOLMIUM FERRITES**
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- T5-P18 MÖSSBAUER STUDY OF MnO_2 DOPED WITH ^{57}Co AND ^{57}Fe**
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- T5-P19 MOSSBAUER STUDY OF IRON-CONTAINING DENDROMESOGEN OF THE FOURTH GENERATION**
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- T5-P20 CHEMICAL BONDING AND QUADRUPOLE SPLITTINGS OF ^{57}Fe MOSSBAUER SPECTRUM IN ACTIVE SITES OF OXYHEMOGLOBIN AS CALCULATED BY $X\alpha\text{-DV}$ METHOD**
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- T5-P21 157 T INTERNAL MAGNETIC FIELD IN $\text{Fe}[\text{C}(\text{SiMe}_3)_3]_2$ AT 20K**
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- T5-P22 MOSSBAUER STUDY OF THE METAL CONTAINING LIQUID-CRYSTALLINE IONOGENS**
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- T5-P23 STRUCTURE OF SOME $\text{Fe}^{\text{II-III}}$ HYDROXYSALT GREEN RUSTS (CARBONATE, OXALATE, METHANOATE) FROM MOSSBAUER SPECTROSCOPY**
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- T5-P24 IN-SITU MÖSSBAUER STUDY ON FE BASED METAL-ORGANIC FRAMEWORKS**
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- T5-P25 MOSSBAUER STUDIES OF Fe (III) COORDINATION POLYMERS**
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- T5-P26 MOSSBAUER STUDY OF IRON IN HIGH OXIDATION STATES IN THE K-Fe-O SYSTEM**
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- T5-P27 STUDY OF ABHURITE $\text{Sn}_{21}\text{O}_6\text{Cl}_{16}(\text{OH})_{14}$**
M. T. Sougrati, S. Jouen, B. Lefez, B. Hannoyer
- T5-P28 STUDY OF THE TIN OXY-HYDROXYSULFATE $\text{Sn}_3\text{OSO}_4(\text{OH})_2$**
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- T5-P29 INFLUENCE OF Co IMPURITIES ON THE HYPERFINE PARAMETERS OF ^{181}Ta IN Hf FOIL**
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T6: EARTH SCIENCE MINERALOGY AND ARCHEOLOGY

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- T6-O2** DISORDERED CHROMITE IN THE MARTIAN METEORITE ALLAN HILLS 84001
H. P. Gunnlaugsson, C. Bender Koch, K. Bharuth-Ram, M. Dietrich, Ö. Helgason, R. Mantovan, D. Naidoo, S. Steinthorsson, L. Vistisen and G. Weyer
- T6-O3** MÖSSBAUER STUDIES ON IMPACTITES FROM LONAR IMPACT CRATER
H. C. Verma, Saumitra Misra, M. Shyam Prasad, N. Bijlani, A. Tripathi, and Horton Newsom
- T6-O4** ⁵⁷Fe MÖSSBAUER SPECTROSCOPY STUDY OF ORGANIC RICH SEDIMENT (SOURCE ROCKS) FROM TEST WELL K-263 OF CAMBAY BASIN, INDIA
Amita Tripathi, Abhijit Kulshreshtha, K.R. Patel, Y.K. Sharma and R.P. Tripathi
- T6-O5** FOUGERITE Fe^{II-III} OXYHYDROXYCARBONATE IN ENVIRONMENTAL CHEMISTRY
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- T6-O6** WEATHERING PRODUCTS OF ORDINARY CHONDRITES FROM THE ATACAMA DESERT STUDIED BY MOSSBAUER SPECTROSCOPY
R. B. Scorzelli, M. Valenzuela, P. Munayco, Y. A. Abdu, E. dos Santos and D. Morata

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- T6-P2** IRON SPECIATION IN FAULT GOUGE FROM THE USHIKUBI FAULT ZONE CENTRAL JAPAN
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- T6-P3** IRON OXIDE RATIO AND THE SOIL COLOR ATTRIBUTE
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- T6-P4** STUDY OF IRON METEORITE SIKHOTE-ALIN AND EXTRACTED IRON-NICKEL PHOSPHIDES BY MÖSSBAUER SPECTROSCOPY WITH HIGH VELOCITY RESOLUTION
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- T6-P5** MÖSSBAUER SPECTROSCOPY WITH HIGH VELOCITY RESOLUTION IN THE STUDY OF ORDINARY CHONDRITES
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- T6-P6** MÖSSBAUER STUDY OF SYNTHETIC JAROSITES
K. Kovács, E. Kuzmann, Z. Homonnay A. Vértes, Lars Gunneriusson
- T6-P7** ⁵⁷Fe MÖSSBAUER SPECTROSCOPY AND X-RAY DIFFRACTION STUDY OF SOME COMPLEX METAMICT MINERALS. PART II
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- T6-P9** MÖSSBAUER AND MINERAL MAGNETIC STUDIES ON ARCHAEOLOGICAL POTTERIES FROM ADHICHANALLUR, TAMILNADU, INDIA
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- T6-P10** HIGH-TEMPERATURE CATION ORDERING IN OLIVINE: AN IN SITU MÖSSBAUER STUDY ON SYNTHETIC (Mg_{0.55}Fe_{0.45})₂SiO₄ (Fe₄₅)
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- T6-P11** CHARACTERIZATION OF MAGHSAIL METEORITE FROM OMAN BY MÖSSBAUER SPECTROSCOPY, X-RAY DIFFRACTION AND PETROGRAPHIC MICROSCOPY.
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- T6-P12** MÖSSBAUER STUDY ON MICROWAVE SYNTHESIZED (Cu, Fe) SULFIDE COMPOSITES AND CORRELATION WITH NATURAL MINERAL-CUBANITE
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- T6-P13** EFFECTS OF CITRATE-DITHIONITE-BICARBONATE TREATMENT ON CONCENTRATING MAGNETIC MINERALS OF SLIT AND CLAY FRACTIONS FROM AN ULTISOL OF SOUTHERN CHILE
C. Pizarro, J.D. Fabris, V.K. Garg, and G. Galindo
- T6-P14** MÖSSBAUER STUDIES OF POLISH ENSTATITE METEORITE - ZAKŁODZIE
A. Maliszewski, K. Szlachta, J. Gałazka-Friedman and N. Bakun-Czubarow
- T6-P15** MÖSSBAUER STUDY OF DUST GENERATED FROM OLIVINE BASALT: APPLICATION TO MARS
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- T6-P16** MÖSSBAUER STUDY OF ANCIENT IRON SMELTING SLAG
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- T6-P17** STUDY MINERALS SAMPLES OF ORES AURIFEROUS FROM COLOMBIAN MINE THE "ANIMAS", USING OPTICAL MICROSCOPY, X-RAY DIFFRACTION (XRD) AND MÖSSBAUER SPECTROSCOPY
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- T6-P18 A MÖSSBAUER SPECTROSCOPIC STUDY OF SIMULATED WEATHERING OF DIDWANA ORDINARY CHONDRITE**
H.C. Verma, Neeraj Bijlani, Amita Tripathi and R.P. Tripathi
- T6-P19 ⁵⁷Fe MÖSSBAUER SPECTROSCOPY STUDY OF PHLOGOPITE FROM THE ALLOCHTHONOUS OCEANIC KIMBERLITE OF EASTERN OMAN**
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- T6-P20 ADVANCED MINIATURIZED MÖSSBAUER SPECTROMETER MIMOS II FOR EXOBIOLGY STUDIES OF THE MARTIAN SURFACE AND EXPLORATION OF THE MARS MOON PHOBOS**
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- T6-P21 MÖSSBAUER STUDY OF RECENT CERAMIC FINDS FROM PACHACAMAC,CENTRAL PERU**
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- T6-P23 REDUCTION OF IRON (III) IN THE ANNEALED ASBESTOS/CHRYSSOTILE**
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- T6-P24 NEW MINERALOGICAL PHASES IDENTIFIED BY MÖSSBAUER MEASUREMENTS IN MORASKO METEORITE**
A.Wojnarowska, T.Dziel, J.Gałązka-Friedman, Ł.Karwowski
- T6-P25 WEATHERING OF MARTIAN AND EARTH SURFACE STUDIED MÖSSBAUER SPECTROSCOPY**
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- T6-P26 PREFERENTIAL OCCUPATION OF Fe IN PYROXENE IN DIOGENITES**
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- T6-P27 CHARACTERIZATION OF BRAZILIAN KAOLINS BY ⁵⁷Fe MÖSSBAUER SPECTROSCOPY AND ELECTRON SPIN RESONANCE**
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- T6-P28 STRUCTURAL PROPERTIES AS A GUIDE TO OBSIDIAN PROVENANCE IN ECUADOR**
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- T6-P29 IRON VALENCY IN MINERALS OF XENOLITHS AND REDOX STATE OF THE UPPER MANTLE (BY MÖSSBAUER SPECTROSCOPY DATA)**
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- T6-P30 JAROSITE AT MERIDIANI PLANUM AND WEATHERING RINDS AT GUSEV CRATER: INTERPRETATION OF MOSSBAUER SPECTRA OBTAINED DURING THE MARS EXPLORATION ROVER MISSION**
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- T6-P31 MÖSSBAUER SPECTRAL PROPERTIES OF FEW NATURAL FERROMAGNESIAN PYROXENES**
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- T6-P32 COMPARISON OF THE ROCKMAGNETIC AND MÖSSBAUER STUDIES OF PALEOZOIC ROCKS FROM SOUTHERN SPITSBERGEN, ARCTIC**
K. Szlachta, J.Gałązka-Friedman and K.Michalski
- T6-P33 NATURE OF THE IRON MINERALOGY OF THE VREDEFORT MAGNETIC ANOMALY INVESTIGATED IN MOSSBAUER SPECTROSCOPY**
 R. Hart, K. Bharuth-Ram and H.P. Gunnlaugsson

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- T7-O1** MÖSSBAUER STUDY OF NEW LITHIUM-ION CELL CONTAINING LiFeVPO_x GLASS AS A CATHODE ACTIVE MATERIAL
Tetsuaki Nishida, Yu Yoshida, Yusuke Takahashi, Shigeto Okada and Jun-ichi Yamaki
- T7-O2** VARIETY OF AVAILABLE COORDINATION STATES FOR EXTRA-FRAMEWORK IRON IN LTA ZEOLITES
Károly Lázár, and Pál Fejes
- T7-O3** MÖSSBAUER STUDY OF FERRIMAGNETISM IN FeII-III (OXY-) HYDROXYCARBONATE GREEN RUSTS
B. Rusch, J.-M. R. Génin, Ch. Ruby, M. Abdelmoula and P. Bonville

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- T7-P1** EFFECT OF IRON DOPING ON THE PHOTOCATALYTIC PROPERTIES OF TITANIA FOR DEGRADATION OF HEXAVALENT CHROMIUM (Cr^{+6})
Sudhir C. Nayak, P. K. Pandey, Sajith Kurian, N. S. Gajbhiye and Goutam Deo
- T7-P2** ^{119}Sn MÖSSBAUER SPECTROSCOPY: A POWERFUL TOOL TO UNFOLD THE REACTION MECHANISM IN ADVANCED ELECTRODES FOR LITHIUM-ION BATTERIES
Ricardo Alcántara, Pedro Lavela, Gregorio Ortiz, Inés Rodríguez, and José L. Tirado
- T7-P3** NON-INNOCENT LIGATION IN HETEROVALENT DINUCLEAR IRON COMPLEXES: MOSSBAUER MAGNETO-STRUCTURAL AND ELECTROCHEMICAL STUDIES
Khursheed Ahmed, Sunita Gawali, Francois Varret, Nourolla Feizi, Sadgopal Date and Sandhya Rane
- T7-P4** LITHIUM INSERTION-DEINSERTION MECHANISM IN NbSn_2 ANODE BY ^{119}Sn MÖSSBAUER SPECTROSCOPY
S. Naille, M. Mouyane, M. El Amraoui, P.E. Lippens, J.C. Jumas and J. Olivier-Fourcade
- T7-P5** EVOLUTION OF THE NEGATIVE ELECTRODE (TIN/SILICATE) FOR Li-ION BATTERIES STUDIED BY ^{119}Sn MÖSSBAUER SPECTROSCOPY
M. Mouyane, P.E. Lippens, M. Womes, B. Ducourant, P. Willmann and J. Olivier-Fourcade
- T7-P6** MÖSSBAUER SPECTROSCOPY AND NUCLEAR INELASTIC SCATTERING STUDIES ON TRINUCLEAR OXO BRIDGED IRON CATALYSTS - FIRST RESULTS
S. Rajagopalan, T. Asthalter, V. Rabe, U. van Bürck, F.E. Wagner and S. Laschat
- T7-P7** CONDITIONS FAVOURING THE FORMATION OF AKAGANEITE AS A CORROSION PRODUCT
K. E. García, F. R. Pérez, C. A. Barrero, A. L. Morales, and J. M. Greneche
- T7-P8** ISOTHERMAL OXIDATION OF Fe-Mn-Al-C-Cr-Si-Mo, Fe-Mn-Al-C-Cr-Si AND Fe-9Cr-Mo ALLOYS
J. D. Betancur Rios, C. J. Wang, K. Nomura, G. A. Perez Alcazar and J. A. Tabares
- T7-P9** THE TWO-STEP SPIN CROSSOVER IN A NOVEL MONONUCLEAR IRON (III) COMPLEX STUDIED BY MÖSSBAUER SPECTROSCOPY
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- T7-P10** NEUTRON IN-BEAM MÖSSBAUER SPECTROSCOPIC STUDY OF IRON DISULFIDE AT 298K AND 78K
Y. Kobayashi, Y. Yamada, Y. Tsuruoka, M. K. Kubo, H. Shoji, Y. Watanabe, T. Takayama, Y. Sakai, W. Sato, A. Shinohara, M. Segawa and H. Matsue
- T7-P11** MÖSSBAUER STUDY OF THE ELECTROCHEMICAL REACTION OF Li WITH FeP_y ($y=1,2,4$)
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- T7-P12** MÖSSBAUER STUDY OF THE REACTION OF NiSb_2 VS LITHIUM
Jumas J. C., Villevieille C., Ionica-Bousquet C.M., Monconduit L.
- T7-P13** MOSSBAUER SPECTROSCOPY OF NEW SELECTIVE SORBENTS AND CATALYSTS
Gutsanu Vasile, Schitco Cristina, Turta Constantin
- T7-P14** SYNTHESIS AND STUDY OF THE STRUCTURAL AND CATALYTIC PROPERTIES OF NANOSTRUCTURED Fe OXIDES
M.V.C. Tolentino, A.S. Albuquerque, R. Mendonca, J.P.Silva, J.D.Ardisson, W.A.A.Macedo

T8: MATERIALS SCIENCE AND METALLURGY

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- T8-O1** MÖSSBAUER EFFECT STUDIES OF SmCo_5/Fe NANOCOMPOSITE HARD MAGNETIC MATERIALS
M. Manivel Raja, N.V. Rama Rao, P. Saravanan, R. Gopalan and V. Chandrasekaran
- T8-O2** MAGNETIC PROPERTIES AND MÖSSBAUER STUDIES IN AS CAST AND DIRECTIONALLY SOLIDIFIED $\text{Tb}_{0.3}\text{Dy}_{0.7}\text{Fe}_{1.95}$
Mithun Palit, J. Arout Chelvane, S. Pandian, M. Manivel Raja and V. Chandrasekaran
- T8-O3** ^{57}Fe AND ^{151}Eu MOSSBAUER STUDY OF MULTIFERROIC $\text{Bi}_{1-x}\text{Eu}_x\text{FeO}_3$ SYSTEM
Deepti Kothari, V.Raghavendra Reddy, Ajay Gupta and A.Banerjee
- T8-O4** MÖSSBAUER SPECTROSCOPY OF DILUTE Fe IMPURITIES IN CUBIC III-V COMPOUND SEMICONDUCTORS
H. P. Gunnlaugsson, G. Weyer, R. Mantovan, D. Naidoo, R. Sielemann, K. Bharuth-Ram, M. Fanciulli, K. Johnston, S. Olafsson, G. Langouche
- T8-O5** FINAL LATTICE SITES AND CHARGE STATES OF ^{57}Fe AFTER DIFFUSION PROCESSES AT HIGH TEMPERATURES FOLLOWING GeV- IMPLANTATION of ^{57}Mn INTO Si
Y. Yoshida, Y. Kobayashi, K. Yukihira, K. Hayakawa, K. Suzuki, A. Yoshida, H. Ueno A. Yoshimi, K. Shimada, D. Nagae, K. Asahi and G. Langouche
- T8-O6** EFFECT OF COOLING CONDITIONS ON THE MAGNETIC STRUCTURE OF MULTIFERROIC BiFeO_3 SYNTHESIZED BY MECHANICAL ACTIVATION
Harikishan Thota, Ashish Garg, Brajesh Pandey and H.C.Verma
- T8-O7** MAGNETISM AT Fe-IONS IMPLANTED IN HOPG GRAPHITE
R. Sielemann, Y. Kobayashi, Y. Yoshida, H.P. Gunnlaugsson and G. Weyer
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- T8-P1** MÖSSBAUER SPECTROSCOPY AND MAGNETIC FORCE MICROSCOPY STUDY OF 475°C EMBRITTLEMENT OF AN AISI 444 STEEL
J. A. M. Lopes, B. R. A. Neves and W. A. A. Macedo
- T8-P2** MICROSTRUCTURE AND MÖSSBAUER STUDIES ON MAGNETOSTRICTIVE $\text{Tb}_{0.3}\text{Dy}_{0.7}\text{Fe}_{1.95-x}\text{Nb}_x$ ($x = 0, 0.025, 0.05$ & 0.075)
J. Arout Chelvane, Mithun Palit, S. Pandian, M. Manivel Raja and V. Chandrasekaran
- T8-P3** MÖSSBAUER STUDIES OF $\text{GdFe}_{2-x}\text{Hf}_x$ ALLOYS
I.A. Al-Omari, A. Gismelseed, H. Widatallah, M. Elzain, A. Al-Rawas, A. Yousif,
- T8-P4** EFFECT OF PRECIPITATION TEMPERATURE ON THE CATION ION DISTRIBUTION IN Cu SUBSTITUTED Co-Zn FERRITE
Hina Bhargava, N. Lakshmi, Varkey Sebastian and K. Venugopalan
- T8-P5** THEORETICAL AND MÖSSBAUER STUDY OF $\text{Fe}_{53.8}\text{Cr}_{46.2}$ σ -PHASE
J. Cieslak, J. Tobola, S. M. Dubiel, M. Reissner, W. Steiner and S. Kaprzyk
- T8-P6** LOW TEMPERATURE ROUTE TO THE MULTIFERROIC FeAlO_3 : XRD AND MÖSSBAUER CHARACTERIZATIONS
Bhavya Bhushan, Samrat Mukherjee, Dipankar Das
- T8-P7** HIGH TEMPERATURE ^{57}Fe MOSSBAUER STUDY OF Ca DOPED MULTIFERROIC BiFeO_3 SYSTEM
Deepti Kothari, V.Raghavendra Reddy and Ajay Gupta
- T8-P8** CONCENTRATION CHANGE OF PARAMAGNETIC PHASE FORMED BY SPINODAL DECOMPOSITION IN A FERRITIC Fe-Cr-Ni-Mo ALLOY
Hisashi Kuwano, Wataru Yamazaki
- T8-P9** ^{57}Fe MOSSBAUER STUDY OF $\text{La}_{0.67}\text{Ca}_{0.33}\text{Mn}_{1-x}\text{Fe}_x\text{O}_3$ CMR SYSTEM
V.Raghavendra Reddy, R.Rawat, T.G.Reddy, Ajay Gupta, P.Y.Reddy and K.Rama Reddy
- T8-P10** HYPERFINE MAGNETIC INTERACTIONS IN DILUTE $\text{Fe}_{0.008}\text{Ge}_{1-x}\text{Sb}_x$ SYSTEM
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