

Table of Contents

Preface, Committees, Sponsors

Chapter 1: Characterization and Using of Materials, Technologies of Materials Production and Processing

| | |
|---|----|
| Phase Transformations in Mechanically Alloyed and Sintered Ti-XMg-22Si-11B (X = 2 and 7 at.-%at) Powders | 3 |
| L.O.V. Maruya, B.B. Fernandes, M. Ueda and A.S. Ramos | 3 |
| Structural Evaluation of Mechanically Alloyed W-50at%^C Powders | 9 |
| G.S. de Alencar e Silva, R.M.L. Neto, V.A.R. Henriques, C.A.A. Cairo and A.S. Ramos | 9 |
| Synthesis by High-Energy Ball Milling of MgH₂-TiFe Composites for Hydrogen Storage | 13 |
| R.M.L. Neto, R. de Araújo Silva, R. Floriano, G.C.S. Coutinho, R.B. Falcão, D.R. Leiva and W.J. Botta Filho | 13 |
| Microstructure and Oxidation Resistance of Mechanically Alloyed and Sintered Ni-Nb and Ni-Nb-Ta Alloys | 19 |
| L. Ferreira, S.C. Rezende, A.A.A. Pinto da Silva, G.Y. Poirier, G.C. Coelho and A.S. Ramos | 19 |
| Manufacturing of AA2124 Aluminum Alloy Metal Matrix Composites Reinforced by Silicon Carbide Processed by Powder Metallurgy Techniques of High Energy Ball Milling and Hot Extrusion | 25 |
| O.O. de Araújo Filho, E.R. de Araújo, H.M. de Lira, C.H. Gonzalez, N.D.G. Silva and S.L. Urtiga Filho | 25 |
| Synthesis of Nanostructured Tungsten Carbide (WC) from Ammonia Paratungstate-APT and its Characterization by XRD and Rietveld Refinement | 31 |
| M.J.S. Lima, M.V.M. Souto, A.S. Souza, M.M. Karimi, F.E.S. Silva, U.U. Gomes and C.P. de Souza | 31 |
| Erucamide-Nanoclay Systems Obtained by Intercalation Process | 36 |
| J.R. Silvano, J.M.M. Mello, L.L. Silva, H.G. Riella and M.A. Fiori | 36 |
| Simultaneous Effect of Reaction Temperature and Concentration of Surfactant in Organo-Bentonite Synthesis | 42 |
| D.L.P. Macuvele, J. Nones, J.V. Matsinhe, A.T. Bezerra, M.M. Lima, E.S.W. Santos, M.A. Fiori and H.G. Riella | 42 |
| Characterization of Mn_{0.67}Zn_{0.33}Fe₂O₄ Nanoparticles Synthesized under Different pH | 48 |
| R.U. Ichikawa, W.K. Yoshito, M.J. Saeki, W.C.A. Maranhão, F. Goulart and L.G. Martinez | 48 |
| Study of the Encapsulations of the Eugenol in β-Cyclodextrin in Low Concentrations Conditions | 54 |
| R. Piletti, A.M. Bugiereck, A. Pereira, J.M.M. Mello, F. Dalcanton, R. Ternus, J. Dal Magro, H.G. Riella and M.A. Fiori | 54 |
| Hydrothermal Synthesis and Characterization of Zeolite A Using Amorphous Gel from Industrial Reagents | 60 |
| J.C. Moreira, L.A. Koslowski, R.A.A. Boca Santa, D.L.P. Macuvele and H.G. Riella | 60 |
| Numerical Simulation and Experimental Study of Particle Dynamics in a Rotating Drum with Flights | 65 |
| S.M. Nascimento, F.P. de Lima, C.R. Duarte and M.A.S. Barrozo | 65 |
| Effect of Surfactant on Bubble Size and Air Holdup on Column Flotation | 71 |
| A.S. Reis, A.M.R. Filho, G.R.L. Carvalho and M.A.S. Barrozo | 71 |
| Sucrose Crystallization in Vibrated Bed Process, Unusual Crystallizer Configuration | 77 |
| D.B. Quintino and R.A. Malagoni | 77 |
| Experiments and CFD Predictions of Particles Velocity and Trajectory in Flow with Non-Newtonian Fluid through a Partially Obstructed Duct | 83 |
| I.C. Bicalho, D.B.L. dos Santos, C.H. Ataíde and C.R. Duarte | 83 |
| CFD Simulation of Different Flow Regimes of the Spout Fluidized Bed with Draft Plates | 89 |
| B.S.A. Araújo and K.G. dos Santos | 89 |
| CFD Simulation of Spouted Bed Working with a Size Distribution of Sand Particles: Segregation Aspects | 95 |
| K.G. dos Santos, L.V. Ferreira, R.C. Santana and M.A.S. Barrozo | 95 |

| | |
|---|-----|
| Bioproducts from the Slow and Fast Pyrolysis of Sugar Cane Bagasse | 101 |
| B.A.F. Borges, P.M. Urias, M.A.S. Barrozo and K.G. dos Santos | |
| Isoconversional Kinetic Analysis of Pyrolysis of Malt Waste | 107 |
| B.C. Silvério, P.I.B.e.M. Franco, C.M. de Freitas, K.G. dos Santos and N.R. Antoniosi Filho | |
| Thermal Analysis and Analytical Pyrolysis of Three Types of Lignin | 113 |
| J.A. Santana Jr., W.S. Carvalho, T.J.P. de Oliveira and C.H. Ataíde | |
| Experimental Study of Charge Motion in a Tumbling Ball Mill | 119 |
| M.V.C. Machado, V. Straatmann, C.R. Duarte and M.A.S. Barrozo | |
| Lab Scale Vibrating Screen Study on Operational Variables that Affect the Separation Efficiency | 124 |
| F. Guerreiro, V. Barbosa, R. Gedraite and C.H. Ataíde | |
| Coffee Husks Characterization for the Fast Pyrolysis Process | 130 |
| F.L. Tibola, T.J.P. de Oliveira, W.S. Carvalho, C.H. Ataíde and C.R. Cardoso | |
| Study of the Influence of the Underflow Diameter on the Separation Process of an Optimized Hydrocyclone for Concentration Purposes | 136 |
| S.M. Gonçalves, Y.N. Kyriakidis, L.G.M. Vieira and M.A.S. Barrozo | |
| A Fluid Dynamic Study in a Rotating Disk Applied in Granulation of Fertilizers | 142 |
| J.L. Vieira Neto, D.D.L. Costa, L.V. Souza, R.F. Pires, D.L. Souza, B.C. Silvério and K.G. dos Santos | |
| The Influence of Pr and Mg Content on the Hydrogen Decrepitation of LaNi-Based Battery Alloys | 148 |
| E.P. Soares, L.M.C. Zarpelon and R.N. Faria | |
| Comparative Study of the Optimized Hydrocyclones H13 and HCOT3 for Maximum Liquid Recovery | 154 |
| F.F. Salvador, Y.N. Kyriakidis, M.A.S. Barrozo and L.G.M. Vieira | |
| Study of Granulated Gypsum Hardness Coming from the Granulation Process in Rotating Disk | 160 |
| L.M. Rodrigues, R.F. Pires and D.L. de Souza | |
| Characteristics of the Milk Powder Particles Lecithinated | 167 |
| L.V. Castejon, E.S. Almeida, V.S. Cardoso, K.G. dos Santos and J.R.D. Finzer | |
| Global Reaction Model to Describe the Kinetics of Catalytic Pyrolysis of Coffee Grounds Waste | 173 |
| R. Batista Jr., B.S.A. Araújo, P.I.B.e.M. Franco, B.C. Silvério, S.C. Danta and K.G. dos Santos | |
| Production and Characterization of Porous Titanium Applied in Biomaterial | 179 |
| P.K.S. Bomfim, I.A. Cruz, C. Fredericci and M.D.M. das Neves | |
| Effect of Bactericidal Elements Addition on the Microstructure and Mechanical Properties of Ti34Nb Alloy | 185 |
| E. Gil, A. Amigó, A.I. Muñoz and V. Amigó | |
| Development of Ti-12Mo-8Nb Alloy for Biomedical Application | 191 |
| S.G. Borborema, J.P. da Silva Kassya, C.M. Jacinto, L.P.O. dos Santos, C.A. Nunes, L.S. Araújo, J. Dille, R. Baldan and L.H. de Almeida | |
| Human Dermal Fibroblast Adhesion on Ti-7.5Mo after TiO₂ Nanotubes Growth | 195 |
| A.L. do Amaral Escada, N. Trujillo, K.C. Popat and A.P. Rosifini Alves Claro | |
| Production Methods of Thermoelectric Materials and their Main Characteristics | 201 |
| A. Polozine and L. Schaeffer | |
| Effect of Fe Addition on Microstructure and Properties of Powder Metallurgy Ti35Nb10Ta Alloy | 206 |
| A. Amigó, C.R.M. Afonso and V. Amigó | |
| Synthesis and Characterization of Ag-TiO₂ Nanocomposites for Possible Use as Biocide | 212 |
| P. de Freitas Rosa, A.C.M. Alves, M. Lopes Aguiar and A. Bernardo | |
| Iron Nanoparticles Coated with Nanostructured Carbon: Synthesis and Application in Glucose Biosensors | 216 |
| R.L. Roman, J.P.Z. Gonçalves, S.C. Fernandes, L.L. Silva, J. Dal Magro, J.M.M. Mello and M.A. Fiori | |
| Iron-Carbon Core-Shell Nanoparticles Obtained with Different Conditions of Synthesis | 221 |
| M.M. Lima, J.P.Z. Gonçalves, C. Soares, H.G. Riella, S.C. Fernandes, M.A. Fiori and L.L. Silva | |

| | |
|---|-----|
| Structural and Magnetic Characterization of LaFe_{1-x}Al_xO₃ (x = 0 and 0.2) Orthoferrites Synthesized by Gelatin Method | 227 |
| P.M. Pimentel, J.L.S. Dutra, A.C. Lima, J.H. Araújo, O.R. Bagnato, A.F. Costa and R.M.P.B. Oliveira | |
| Study of the Effects of SiO₂ Nanoparticles Concentration on the TiO₂ Nanoparticles Suspensions Stabilization | 232 |
| E.M. de Oliveira, M.C.d.C. Paresque, L.M. da Silval, L.C.R. Lopes and J.A. de Castro | |
| Antimicrobial Activity of Chlorhexidine against Multi-Species Biofilm Formation | 237 |
| A.L. do Amaral Escada, C.A. Pereira, A.O.C. Jorge and A.P. Rosifini Alves Claro | |
| Effect of NbH Particle Size and Cooling Type on the Microstructure, Phase Composition and Microhardness of Ti-20Nb-20Zr Alloy | 243 |
| M.W.D. Mendes, N.M.F. Mendes, A.H.d.A. Bressiani and J.C. Bressiani | |
| Zinc Oxide Nanoparticles as Antimicrobial Additive for Acrylic Paint | 248 |
| J.J. Fiori, L.L. Silva, K.C. Picolli, R. Ternus, J. Ilha, F. Decalton, J.M.M. Mello, H.G. Riella and M.A. Fiori | |
| Study on Processing and Characterization of Calcium Phosphate Bioceramics | 254 |
| L.F. Cota, J.d.N. Lunz, A.A. Ribeiro, L.M. Alonso, M.V. de Oliveira and L.C. Pereira | |
| Thermal Influence on the Electric Parameters and Microstructures of Activated Powder Double Layer Supercapacitors | 260 |
| A.P.R. Fernandez, E. Galego and R.N. Faria | |
| Longe Range Exchange Interactions in Sintered CuMn Alloys: A Monte Carlo Study | 266 |
| A.F. da Silva Jr., A.S. Martins and M.F. de Campos | |
| Deformations Limits Analysis of Sheet Metal Manufactured through the Incremental Forming Process | 272 |
| H.D. Gomes, M.C. dos Santos Freitas, L.P. Moreira, F.d.P. Vitoretti and J.A. de Castro | |
| Influence of Functionality of Polyhedral Oligomeric Silsesquioxane (POSS) Dispersed in Epoxy Resin for Application in Hybrid Coating | 278 |
| M. Longhi, V. Pistor, L.P. Zini, S.R. Kunst and A.J. Zattera | |
| Influence of the pH and Stirring Speed of the Electrodeposition Bath in the Performance of Zinc and Zinc-Nanocomposite Coatings | 283 |
| P. Marcolin, M. Longhi, L.P. Zini, B. Proença, C. de Fraga Malfatti, L.C. Battisti, E.S. Rieder, A.J. Zattera, S.R. Kunst and C.T. Oliveira | |
| Wettability Study of Red Ceramic and Glaze from Dimension Stone Waste | 289 |
| M.V.M. Rosetti, R.A. Carvalho, S.P. Taguchi and L.A. Borges | |
| Eletrochemical Behavior of Hot Swaged and Aged Ti-12Mo-13Nb Alloy | 295 |
| S.G. Borborema, G.F. Santos, A.d.S. Siqueira de Novais, R.P.d.S. Lamarca, C.A. Nunes, P.R. Mei, I. dos Santos, L.S. Araújo and L.H. de Almeida | |
| Development of the Self-Lubricating Steels by Compression of Granulated Powders | 299 |
| V.B. Demetrio, T. Bendo, C. Binder, G. Hammes, P.F. Orsi, J.D.B. de Mello and A.N. Klein | |
| Evaluation of Behavior of Aluminium-CNT Composite on the Equal-Channel Angular Extrusion | 305 |
| A. Teixeira, M.R. da Rocha and A.B.C. Arnt | |
| Rapid Solidification and Laser Cladding of Gas Atomized Ni-Nb-Sn Bulk Metallic Glass | 311 |
| F.L. Catto, A.H.G. Gabriel, C. Bolfarini, C.S. Kiminami and C.R.M. Afonso | |
| Influence of Composite Nano-Coating of Ni-Co-SiC Obtained by Electrodeposition on the Corrosion Resistance of API 5L X80 Steel | 317 |
| R.F.d.C. Pereira, E.S.D. de Oliveira, D.L. Alves e Silva, A.S. Ribeiro, O.O. de Araújo Filho, M.A.G. de Andrade e Lima and S.L. Urtiga Filho | |
| Valuation of Mechanical Properties and Microstructural Characterization of ASTM F75 Co-Cr Alloy Obtained by Selective Laser Melting (SLM) and Casting Techniques | 323 |
| M.V. Mergulhão, C.E. Podestá and M.D.M. das Neves | |
| The Role of Sintered Al₂O₃-Nb₂O₅ Front Plate on the Ballistic Performance of Multilayered Armors | 329 |
| S.N. Monteiro, A.B. da Silva Figueiredo, E.S. Lima, R.P. Weber, L.H.L. Louro, M.A. de Jesus Matos, L.F.C. Nascimento and F. de Oliveira Braga | |
| Nanocomposite Polymer Clay to Support the Release of Drug | 335 |
| M.J.A. Oliveira, A.B. Lugão and D.F. Parra | |
| Design and Development of Compaction Tools for Powder Metallurgy | 341 |
| M. dos Santos, W.C. Rodrigues, A.P.S. de Matos Dias, L. Schaeffer and A. de Matos Dias | |

| | |
|---|-----|
| Supercapacitor Application of Powder Prepared Using the Hydrogenation Disproportionation Desorption and Recombination (HDDR) Process in Graphene Oxide | |
| J.C.S. Casini, A.P.R. Fernandez, R.R. de Oliveira, S.K. Sakata and R.N. Faria | 347 |
| Effect of Sn and Cu on Corrosion Resistance of LaMgAlMnCoNi Type Alloys | |
| J.C.S. Casini, M.J. Saeki, Z.P. Guo, H.K. Liu, R.N. Faria and H. Takiishi | 353 |

Chapter 2: Heat Treatment and Sintering Technologies

| | |
|---|-----|
| Secondary Hardening of an AISI M3:2 High Speed Steel Sinter 23 Hot Isostatic Pressed | |
| O.O. de Araújo Filho, C.H. Gonzalez, S.L. Urtiga Filho, C.A.N. Oliveira, N.D.G. Silva and F. Ambrozio Filho | 361 |
| Heat Treatment and Microstructural Studies of LaNi-Type Battery Electrode Alloys | |
| E.A. Ferreira, L.P. Barbosa and R.N. Faria | 366 |
| Evolution of Sintering of Particles that Compose Iron Ore Agglomerates | |
| F.d.P. Vitoretti, M.C. dos Santos Freitas, C.M. Hosken, J.A. de Castro and F.R.F. da Silva | 371 |
| Kinetic Behavior of Self-Reducing Pellets Containing Coal of Elephant Grass | |
| E.P. da Rocha, C.M. Hosken, A. da Cunha Rocha, A.P. da Rocha Santos and J.A. de Castro | 377 |
| Analysis of the Microwave Heating Effect in the Comminution Efficiency of Iron Ore Particles | |
| L.M. da Silval, M. Nascimento, I.O. Mota, E.M. Oliveira and J.A. Castro | 383 |
| The Effect of Heat Treatment on Microstructure and Mechanical Properties of Ti-8.5Nb-4.5Ta-13Zr Alloy | |
| N.M.F. Mendes, M.W.D. Mendes, A.H.d.A. Bressiani and H. Takiishi | 389 |
| Three-Dimensional Microstructure Reconstruction and Phase Boundary by Serial Sectioning and Numerical Approach | |
| D.A. Nogueira, A.A. Lopes, W.L. Conegundes, F.R.F. Silva, D. Rodrigues and J.A. de Castro | 395 |
| Effect of Isothermal on the Heat Treatment of Ag/Bi2212 Superconducting Tapes | |
| A.R. Bigansolli and D. Rodrigues Jr. | 400 |
| Study of Ceramic Coating Processing Using Dimension Stones Wastes in the Composition of the Glaze | |
| L.G. Hastenreiter, J.C. Santos, S.P. Taguchi, L.A. Borges Jr., G.S. de Oliveira and F.W.P. Sofiati | 406 |
| Microstructural Features of Sn-3.0Ag-0.7Cu Alloy Prepared by Conventional and Microwave Sintering | |
| C.P. Turssi, J. Soyama, R.F.K. Gunnewiek, J.E. Spinelli, C.S. Kiminami and R.H.G.A. Kiminami | 412 |
| Influence of α-Phase Field Heat Treatment on the Tensile and Primary Creep Resistance of a Powder Metallurgical Processed Ti-45Al-5Nb-0.2B-0.2C Titanium Aluminide Alloy | |
| R.P. Marcondes Guimarães, J. Soyama, T. Ebel, M.C. Fredel and F. Pyczak | 418 |
| The Influence of the Sintering Temperature on the Grain Growth of Tungsten Carbide in the Composite WC-8Ni | |
| F. Miranda, D. Rodrigues, F.Y. Nakamoto, C. Frajuba and G.A. Santos | 424 |
| Geopolymeric Cements Obtained by Alkaline Activation of Aluminosilicates from Industrial Waste | |
| R.A.A. Boca Santa, L.L. Coelho, J.C. Moreira, D.L.P. Macuvele, L.M.F. Speranzini, H.G. Riella and N.C. Kuhnen | 431 |
| Hot Tensile Behavior and Fracture Characteristics of a Plasma Nitrided Maraging 300 Steel | |
| A.G. Reis, D.A.P. Reis, A.J. Abdalla, J. Otubo, A.A. Couto and F.P. Neto | 436 |
| Characterization of Atomized Powders and Extruded Samples of an Al-Si-Cu Alloy | |
| C. Triveño Rios, C. Bolfarini, W.J. Botta Filho and C.S. Kiminami | 442 |
| Analysis of the Iron Ore Pellet Mechanical Behavior under Biaxial Compression | |
| J.F.M. Rodrigues Filho, M.C. dos Santos Freitas, F.d.P. Vitoretti, J.A. de Castro and G.S. da Fonseca | 448 |
| Harmonic Structured Ti6Al4V by Spark Plasma Sintering | |
| L.d.M. Amorim, N. Vicente Jr., M.A.C. Berton and C.E.B. Marino | 452 |
| Effects of the Casting Temperature in the Leakage of Zamak 5 | |
| P. Marcolin, M. Longhi, L.P. Zini, S.R. Kunst, A.J. Zattera, L.T. Fuhr, T.V. Fillmann and C.T. Oliveira | 458 |
| High-Energy Ball Milling and Subsequent Heat Treatment of Ti-Cu-Si-B Powders | |
| L. Ferreira, B.B. Fernandes, M. Ueda and A.S. Ramos | 463 |

| | |
|--|-----|
| Influence of Rock Chemical Composition in Microwave Heating and Decontamination of Drill Cuttings | |
| I. Petri Jr., J.M. dos Santos, A.S. Rossi, M.S. Pereira, C.R. Duarte and C.H. Ataíde | 469 |
| A Finite Element Analysis for an Iron Ore Pellet Compression Test | |
| M.C. dos Santos Freitas, F.d.P. Vitoretti, J.F.M. Rodrigues Filho, V.L. Silva, J.A. de Castro and L.P. Moreira | 474 |
| Sintering Study of NiCrAlY | |
| R.J. Takahashi, J.M.K. Assis, F.P. Neto, A.M. Mello and D.A.P. Reis | 478 |
| Spark Plasma Sintering of Low Alloy Steel Powder | |
| D.A. Schaefer, L. da Conceição, M.A.C. Berton, L.C. Ferracin and N. Vicente Jr. | 483 |
| Effects of Milling Time on Microstructure and Mechanical Properties of Composite WC-(Fe₃Al-B) Consolidated by Spark Plasma Sintering | |
| L.A.C. Ybarra, A. Chimanski, G.J. Pereira, I.F. Machado and H.N. Yoshimura | 487 |
| Mechanical Alloying and Sintering of Ni-Sn and Ni-Mg Powder Mixtures | |
| G.H. da Cruz Faria, R.B. Magalhães, A.C. Zanardo, E.C.T. Ramos, A.A.A. Pinto da Silva, G.C. Coelho and A.S. Ramos | 493 |
| Structural Evaluation of Ti-Cr-Si-B Powders Produced by High-Energy Ball Milling and Sintering | |
| L.O.V. Maruya, P.A. Suzuki and A.S. Ramos | 499 |
| Sintering of AISI M2 Tool Steel Processed in High-Energy Planetary Mill | |
| M.F. Hupalo, S. Vurobi Jr., R.S. Namur, I.R. Diniz and O.M. Cintho | 505 |
| Influence of Grinding Media Size and Sintering Time in the Processing of AISI D2 Tool Steel by High-Energy Milling | |
| S. Vurobi Jr., M.F. Hupalo, R.S. Namur, T.A.L. Fernandes and O.M. Cintho | 511 |
| Development of Aluminium Foam through the Sintering Dissolution Process from the Alloy AA 3104 | |
| M.C. Oliveira and R.E. Coelho | 517 |
| Effect of Liquid Phase during Sintering on Mechanical and Tribological Properties of Self-Lubricating Composites | |
| R. Steinbach, T. Bendo, G. Hammes, C. Binder, J.D.B. de Mello and A.N. Klein | 523 |
| Fundamentals of Microwave Heating and Drying of Drilled Cuttings | |
| A.S. Rossi, M.S. Pereira, J.M. dos Santos, I. Petri Jr. and C.H. Ataíde | 528 |
| Mechanical Properties and Microstructural Characterization of Cobalt-Chromium (CoCr) Obtained by Casting and Selective Laser Melting (SLM) | |
| M.V. Mergulhão, C.E. Podestá and M.D.M. das Neves | 534 |

Chapter 3: Magnetic Materials

| | |
|---|-----|
| Magnetite Nanoparticles Study Applied to Magnetic Hyperthermia Treatment | |
| M.C.d.C. Paresque, E.M. de Oliveira, D.A. Nogueira, J.A. de Castro and M.F. de Campos | 543 |
| The Exchange Energy Term and the Curling Reversal Mode in Hard Magnetic Materials Manufactured by Powder Metallurgy | |
| A.F. da Silva Jr., A.S. Martins and M.F. de Campos | 549 |
| B-H Loop of Sintered Stainless Steel 410 Adjusted by Superellipse Model | |
| F.A. Sampaio da Silva, D. Rodrigues, G.V. Concílio, J.A. de Castro and M.F. de Campos | 554 |
| Consolidation Behavior and Magnetic Properties of Nanocrystalline Nd-Fe-B Magnets Prepared by Spark Plasma Sintering | |
| F.O. Keller, J.A.B. Engeroff, L.U. Lopes, N. Vicente Jr. and P.A.P. Wendhausen | 559 |
| d-HDDR Processing of Nd-Fe-B Based Alloys to Obtain Highly Anisotropic Nanocrystalline Powders | |
| J.A.B. Engeroff, F.O. Keller, L.U. Lopes, A.A. Mascheroni, H. Takiishi and P.A.P. Wendhausen | 563 |
| Dry and Wet Milling Comparison of Nd-Fe-B Magnets Based on Strip Cast Alloys | |
| F. Maccari, R.V. Well, G. Eller, M.S.T. Hoffmann, L.U. Lopes, H. Takiishi and P.A.P. Wendhausen | 567 |
| Thermal Aging of NdFeB Compression Molded Magnets | |
| D. Rodrigues, G.V. Concílio, J.A. de Castro and M.F. de Campos | 572 |
| Effect of Compaction Pressure on the Hysteresis Loop of NdFeB Bonded Magnets | |
| D. Rodrigues, G.V. Concílio, J.A. de Castro and M.F. de Campos | 576 |