

LISTA DE LUCRĂRI
Prof Petre ROTARU

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1. Optical and Mossbauer study of the real time holographic organometallic material Fe:PVA
V. Kuncser, A. Avramescu, G. Filoti, P. Rotaru, R. Podgorsek, M. Biebricher, H. Franke.
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2. Mossbauer Spectroscopy Applied to Radioactive Waste Processing
G. Filoti, V. Kuncser, I. Prisecaru, P. Rotaru, C. N. Turcanu.
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P. Rotaru, S. I. Blejoiu, R. Constantinescu, N. Pometescu, F. Uliu, O. Bunescu.
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4. The Anomalous particle flux induced by electromagnetic turbulence
N. Pometescu, M. Negrea, P. Rotaru.
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5. Kinetics and mechanism of CO₂ methanation on a nickel catalyst
P. Rotaru, S.I. Blejoiu.
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6. Kinetics and mechanism of reverse water-gas shift reaction on a Cu-ZnO-Al₂O₃ catalyst.
P. Rotaru, S.I. Blejoiu.
Journal of Indian Chemical Society, vol.78, nr.7, 2001, pag.352-359.
7. Influence of tableting pressure upon internal morphology of a Fe₂O₃-Cr₂O₃ catalyst.
P. Rotaru, S. I. Blejoiu.
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V. Voiculescu, P. Rotaru, C. Spanu, M. Mateescu
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9. Influence of inert gas on isoconversion curves and equilibrium conversion
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10. Optical and electronic properties of polyvinyl alcohol doped with pairs of mixed valence metal ions
M. Bulinski, V. Kuncser, C. Plapcianu, S. Krautwald, H. Franke, P. Roatru, G. Filoti

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11. The influence of the tableting pressure upon the textural and diffusional properties of a $\text{Fe}_2\text{O}_3\text{-Cr}_2\text{O}_3$ catalyst

P. Rotaru, S. I. Blejoiu, M. Stanciu, G. Stoenescu, M. Mateescu, V. Voiculescu
Microporous and Mesoporous Materials, vol. 83, 2005, pag. 159-164.

12. Optimization of multiple layer semiconductor waveguides

V. Calian, G. Stoenescu, M. Ursache, M. Socaciu, P. Rotaru
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13. Thermal decomposition kinetics of some aromatic azomonoethers. Part II. Non isothermal study of three liquid crystals in dynamic air atmosphere

A. Rotaru, A. Kropidłowska, A. Moanta, P. Rotaru, E. Segal
Journal of Thermal Analysis and Calorimetry, vol.92(1), 2008, pag. 233-238.

14. Thermal analysis and thin films deposition by matrix assisted pulsed laser evaporation of a 4CN type azomonoether.

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16. Computational thermal and kinetic analysis. Software for non-isothermal kinetics by standard procedure

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18. CdS thin films obtained by thermal treatment of cadmium(II) complex precursor deposited by MAPLE technique

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19. Thermal analysis of azoic dyes: Part I. Non-isothermal decomposition kinetics of [4-(4-chlorobenzoyloxy)-3-methylphenyl](*p*-tolyl)diazene in dynamic air atmosphere

A. Rotaru, G. Bratulescu, P. Rotaru
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23. Thermal behaviour and spectroscopic investigation of some methyl 2-pyridyl ketone complexes
M. Tătuțu, P. Rotaru, I. Rău, C. Spînu, A. Kriza
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24. Thermal analysis of a calcium fructoborate sample
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25. Structural characterization, thermal investigation and liquid crystalline behavior of 4-[(4-chlorobenzyl)oxy]-3,4'-dichloroazobenzene
A. Moanta, C. Ionescu, P. Rotaru, M. Socaciu, A. Hărăbor
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O. Gingu, G. Benga, A. Olei, N. Lupu, P. Rotaru, S. Tanasescu, M. Mangra, I. Ciupitu, I. Pascu, G. Sima
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C. Constantinescu, E. Morîntale, A. Emandi, M. Dinescu, P. Rotaru.
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31. Thermal and spectral behavior of (Y,Eu)VO₄ powder
A. Hărăbor, P. Rotaru, N. A. Hărăbor
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32. Thermal study of a shape memory alloy (SMA) spring actuator designed to insure the motion of a barrier structure
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33. Spectral and thermal studies of 4-(phenyldiazenyl)phenyl 2-furoate as corrosion inhibitor for carbon steel
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H. O. Manolea, P. Rotaru, G. Manolea, E. Morîntale, R. Rîcă
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A. Harabor, P. Rotaru, N. A. Harabor
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A. Samide, B. Tutunaru, Ca. Ionescu, P. Rotaru, L. Simoiu
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40. Shape memory alloy-based smart module structure working under intense thermo-mechanical stress
Suzana Danoiu, Petre Rotaru, Sonia Degeratu, Sabin Rizescu, Nicu George Bizdoaca
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Anca Moanta, Adriana Samide, Petre Rotaru, Catalina Ionescu, Bogdan Tutunaru
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S. Degeratu, P. Rotaru, S. Rizescu, S. Danoiu, N. G. Bizdoaca, L. I. Alboteanu, H. O. Manolea
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44. Pulsed laser processing of poly(3,3''-didodecyl quarter thiophene) semiconductor for organic thin film transistors
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45. In-situ synthesis of AgCu/Cu₂O nanocomposite by mechanical alloying: the effect of the processing on the thermal behaviour
O. Gingu, P. Rotaru, A. Milea, A. Marin, C. Nicolicescu, G. Sima, S. Tanasescu
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46. New complexes with 2-pyridyl ketone Schiff bases. Synthesis, structural analysis and thermal studies
M. Popescu, P. Rotaru, M. V. Bubulica, A. Kriza
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47. A new azo-ester: 4-(phenyldiazenyl)phenyl benzene sulfonate—spectral, thermal, and electrochemical behavior and its antimicrobial activity
A. Moanta, C. Ionescu, M. Dragoi, B. Tutunaru, P. Rotaru
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S. I. Blejoiu, A. Szabo, P. Rotaru, I. Brasoveanu, I. V. Nicolescu.
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51. A study of some properties of Fe-Cr high temperature shift conversion catalyst
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52. Structural investigation of iron - chromium high temperature shift conversion catalyst.
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59. X - Ray diffraction analysis of the Ni-NiO-diatomite system
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18. Physical properties of the $\text{CuO-ZnO-Al}_2\text{O}_3$ Catalytic system I. Mechanical properties
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35. Model-Free Kinetics applied to the thermal decomposition of some azoic dyes. Part 1. Friedmann Method – Linear Differential Isoconversional Method
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Brevete de invenție obținute în țară

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