

Lista lucrări

Prof.dr.ing. Titus Vlase, Dr. Habil.

i)

1. Teză de Doctorat cu titlu: „Studiul fizico-chimic al formării și descompunerii termice a unor precursori”, Universitatea de Vest din Timisoara, Facultatea de Chimie, Biologie, Geografie, Școala doctorala CHIMIE, Coordonator: Prof. Dr. Ing. Chiriac Adrian - **Doctor in Chimie** (teza susținută public in 30.06.2003, Diploma Seria C, Nr. 0005764 din 2003)

2. Teza de abilitare în CHIMIE susținută în **15 iulie 2014** la UVT cu titlul: ”Contribuții la studiul comportării termice a sistemelor eterogene în condiții izoterme și neizoterme”, Titlul de Dr. Habil prin: Ordin Ministrului Educației Naționale 623/6.11.2014

ii) Articole

A. Articole ISI (Web of Science)

1

Title: Support effect in the thermal decomposition of some catalyst precursors

Author(s): Vlase, T (Vlase, T); Jurca, G (Jurca, G); Doca, N (Doca, N)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 56 **Issue:** 1 **Pages:** 331-336 **DOI:** 10.1023/A:1010146516774 **Published Date:** 1999

2

Title: The effect of the support by the thermal decomposition of some catalyst precursors

Author(s): Vlase, T (Vlase, T); Jurca, G (Jurca, G); Doca, N (Doca, N)

Source: THERMOCHIMICA ACTA **Volume:** 379 **Issue:** 1-2 **Pages:** 59-63 **DOI:** 10.1016/S0040-6031(01)00602-5 **Published Date:** 2001 NOV 22

3

Title: Non-isothermal kinetics by decomposition of some catalyst precursors

Author(s): Vlase, T (Vlase, T); Jurca, G (Jurca, G); Doca, N (Doca, N)

Source: THERMOCHIMICA ACTA **Volume:** 379 **Issue:** 1-2 **Pages:** 65-69 **DOI:** 10.1016/S0040-6031(01)00603-7 **Published Date:** 2001 NOV 22

4

Title: Some criteria for deciding upon the support effect

Author(s): Vlase, T (Vlase, T); Jurca, G (Jurca, G); Doca, N (Doca, N)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 67 **Issue:** 3 **Pages:** 597-603 **DOI:** 10.1023/A:1014344502777 **Published Date:** 2002

5

Title: Specificity of decomposition of solids in non-isothermal conditions

Author(s): Vlase, T (Vlase, T); Vlase, G (Vlase, G); Doca, M (Doca, M); Doca, N (Doca, N)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 72 **Issue:** 2 **Pages:** 597-604 **DOI:** 10.1023/A:1024537902405 **Published Date:** 2003

6

Title: Decomposition of organic salts of some *d* and *f* metals -: Non-isothermal kinetics and FT-IR studies

Author(s): Vlase, T (Vlase, T); Vlase, G (Vlase, G); Chiriac, A (Chiriac, A); Doca, N (Doca, N)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 72 **Issue:** 3 **Pages:** 839-845 **DOI:** 10.1023/A:1025066131365 **Published Date:** 2003

7

Title: The influence of concentration and anion nature on the support effect

Author(s): Vlase, T (Vlase, T); Vlase, G (Vlase, G); Chiriac, A (Chiriac, A); Doca, N (Doca, N)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 72 **Issue:** 3 **Pages:** 847-853 **DOI:** 10.1023/A:1025018215435 **Published Date:** 2003

8

Title: Compensation effect in solid state reactions, a consequence of selective activation at the vibrational level

Author(s): Doca, N (Doca, N); Vlase, T (Vlase, T); Vlase, G (Vlase, G)

Source: REVUE ROUMAINE DE CHIMIE **Volume:** 48 **Issue:** 12 **Pages:** 955-959 **Published Date:** 2003 DEC

9

Title: Processing of non-isothermal TG data - Comparative kinetic analysis with NPK method

Author(s): Vlase, T (Vlase, T); Vlase, G (Vlase, G); Doca, N (Doca, N); Bolcu, C (Bolcu, C)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 80 **Issue:** 1 **Pages:** 59-64 **DOI:** 10.1007/s10973-005-0613-x

Published Date: 2005

10

Title: About compensation effect by thermal decomposition of some catalyst precursors

Author(s): Vlase, T (Vlase, T); Vlase, G (Vlase, G); Chiriac, A (Chiriac, A); Doca, N (Doca, N)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 80 **Issue:** 1 **Pages:** 87-90 **DOI:** 10.1007/s10973-005-0618-5

Published Date: 2005

11

Title: Kinetics of thermal decomposition of alkaline phosphates

Author(s): Vlase, T (Vlase, T); Vlase, G (Vlase, G); Doca, N (Doca, N)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 80 **Issue:** 1 **Pages:** 207-210 **DOI:** 10.1007/s10973-005-0637-2

Published Date: 2005

12

Title: Thermal stability of food additives of glutamate and benzoate type

Author(s): Vlase, T (Vlase, T); Vlase, G (Vlase, G); Doca, N (Doca, N)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 80 **Issue:** 2 **Pages:** 425-428 **DOI:** 10.1007/s10973-005-0671-0

Published Date: 2005 MAY

13

Title: Kinetics of decomposition of different acid calcium phosphates

Author(s): Ioitescu, AI (Ioitescu, Alexandra Ioana); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, T.); Doca, N (Doca, N.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 88 **Issue:** 1 **Pages:** 121-125 **DOI:** 10.1007/s10973-006-8022-3

Published Date: 2007 APR

14

Title: Evaluation of oily soil biodegradability by means of thermoanalytical methods

Author(s): Jurconi, B (Jurconi, B.); Feher, L (Feher, Loredana); Doca, N (Doca, N.); Vlase, T (Vlase, T.); Lazar, C (Lazar, C.); Tibru, I (Tibru, I.); Stefanescu, M (Stefanescu, M.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 88 **Issue:** 2 **Pages:** 373-375 **DOI:** 10.1007/s10973-006-8014-3

Published Date: 2007 MAY

15

Title: Thermal behaviour of some industrial and food dyes

Author(s): Vlase, T (Vlase, T.); Vlase, G (Vlase, Gabriela); Modra, D (Modra, Dorina); Doca, N (Doca, N.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 88 **Issue:** 2 **Pages:** 389-393 **DOI:** 10.1007/s10973-006-8013-4

Published Date: 2007 MAY

16

Title: Decomposition kinetic of a synthetic oil adsorbed on different silico-alumina

Author(s): Feher, L (Feher, Loredana); Jurconi, B (Jurconi, B.); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, T.); Doca, N (Doca, N.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 88 **Issue:** 3 **Pages:** 621-624 **DOI:** 10.1007/s10973-006-8015-2

Published Date: 2007 JUN

17

Title: Kinetic studies of the crystallization process of glass-ceramics based on basalt

Author(s): Vlase, T (Vlase, T.); Pacurariu, C (Pacurariu, C.); Lazau, RI (Lazau, R. I.); Lazau, I (Lazau, I.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 88 **Issue:** 3 **Pages:** 625-629 **DOI:** 10.1007/s10973-006-8016-1

Published Date: 2007 JUN

18

Title: Comparative results of kinetic data obtained with different methods for complex decomposition steps

Author(s): Vlase, T (Vlase, T.); Vlase, G (Vlase, Gabriela); Birta, N (Birta, Nicoleta); Doca, N (Doca, N.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 88 **Issue:** 3 **Pages:** 631-635 **DOI:** 10.1007/s10973-006-8019-y

Published Date: 2007 JUN

19

Title: Kinetic of decomposition of some complexes under non-isothermal conditions

Author(s): Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, T.); Tudose, R (Tudose, Ramona); Costisor, O (Costisor, Otilia); Doca, N (Doca, N.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 88 **Issue:** 3 **Pages:** 637-640 **DOI:** 10.1007/s10973-006-8020-

5 **Published Date:** 2007 JUN

20

Title: Kinetics of non-isothermal decomposition of three irganox-type antioxidants

Author(s): Vlase, T (Vlase, T.); Doca, N (Doca, N.); Vlase, G (Vlase, Gabriela); Bolcu, C (Bolcu, C.); Borcan, F (Borcan, F.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 92 **Issue:** 1 **Pages:** 15-18 **DOI:** 10.1007/s10973-007-8726-z

Published Date: 2008 APR

21

Title: Thermal behavior of some phenitoine pharmaceuticals

Author(s): Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, T.); Doca, N (Doca, N.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 92 **Issue:** 1 **Pages:** 259-262 **DOI:** 10.1007/s10973-007-8727-y

Published Date: 2008 APR

22

Title: Compensation effect as a consequence of vibrational energy transfer in homogeneous and isotropic heat field

Author(s): Pop, N (Pop, Nicoleta); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, T.); Doca, N (Doca, N.); Mogos, A (Mogos, A.); Ioitescu, A (Ioitescu, A.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 92 **Issue:** 1 **Pages:** 313-317 **DOI:** 10.1007/s10973-007-8723-2

Published Date: 2008 APR

23

Title: Kinetics of thermal decomposition of some nitrophosphate fertilizers with micronutrients in isothermal conditions

Author(s): Vlase, T (Vlase, T.); Muntean, C (Muntean, Cornelia)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 92 **Issue:** 2 **Pages:** 559-562 **DOI:** 10.1007/s10973-007-7936-8

Published Date: 2008 MAY

24

Title: Kinetic of sorbitol decomposition under non-isothermal conditions

Author(s): Birta, N (Birta, Nicoleta); Doca, N (Doca, N.); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, T.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 92 **Issue:** 2 **Pages:** 635-638 **DOI:** 10.1007/s10973-007-7938-6

Published Date: 2008 MAY

25

Title: THERMAL BEHAVIOR OF Cd²⁺ AND Co²⁺ PHENYL-VINYL-PHOSPHONATES UNDER NON-ISOTHERMAL CONDITION

Author(s): Doca, N (Doca, N.); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, T.); Ilia, G (Ilia, G.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 94 **Issue:** 2 **Pages:** 441-445 **DOI:** 10.1007/s10973-008-9347-x

Published Date: 2008 NOV

26

Title: Comparative kinetic study of decomposition of some diazepine derivatives under isothermal and non-isothermal conditions

Author(s): Tita, B (Tita, B.); Marian, E (Marian, Eleonora); Tita, D (Tita, D.); Vlase, G (Vlase, Gabriela); Doca, N (Doca, N.); Vlase, T (Vlase, T.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 94 **Issue:** 2 **Pages:** 447-452 **DOI:** 10.1007/s10973-008-9146-4

Published Date: 2008 NOV

27

Title: Synthesis and characterization of hydroxyapatite obtained from different organic precursors by sol-gel method

Author(s): Ioitescu, AI (Ioitescu, Alexandra Ioana); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, T.); Ilia, G (Ilia, G.); Doca, N (Doca, N.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 96 **Issue:** 3 **Pages:** 937-942 **DOI:** 10.1007/s10973-009-0044-1

Published Date: 2009 JUN

28

Title: Study on the influence of teos-diol molar ratio on their chemical interaction during the gelation process

Author(s): Stefanescu, O (Stefanescu, Oana); Stoia, M (Stoia, Marcela); Stefanescu, M (Stefanescu, Mircea); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 97 **Issue:** 1 **Pages:** 251-256 **DOI:** 10.1007/s10973-009-0247-5

Published Date: 2009 JUL

29

Title: Influence of the specific surface area on crystallization process kinetics of some silica gels

Author(s): Pacurariu, C (Pacurariu, C.); Lazau, RI (Lazau, R. I.); Lazau, I (Lazau, I.); Ianos, R (Ianos, R.); Vlase, T (Vlase, T.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 97 **Issue:** 2 **Pages:** 409-414 **DOI:** 10.1007/s10973-008-9680-0

Published Date: 2009 AUG

30

Title: Coupled thermogravimetric-IR techniques and kinetic analysis by non-isothermal decomposition of Cd²⁺ and Co²⁺ vinyl-phosphonates

Author(s): Vlase, T (Vlase, T.); Vlase, G (Vlase, Gabriela); Doca, N (Doca, N.); Ilia, G (Ilia, G.); Fulias, A (Fulias, Adriana)
Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 97 **Issue:** 2 **Pages:** 467-472 **DOI:** 10.1007/s10973-009-0219-9 **Published Date:** 2009 AUG

31

Title: Thermal behavior of a sol-gel system containing aniline and organic phosphonates

Author(s): Vlase, G (Vlase, G.); Vlase, T (Vlase, T.); Doca, N (Doca, N.); Perta, M (Perta, M.); Ilia, G (Ilia, G.); Plesu, N (Plesu, N.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 97 **Issue:** 2 **Pages:** 473-478 **DOI:** 10.1007/s10973-009-0216-z **Published Date:** 2009 AUG

32

Title: TG, EGA and kinetic study by non-isothermal decomposition of a polyaniline with different dispersion degree

Author(s): Doca, N (Doca, N.); Vlase, G (Vlase, G.); Vlase, T (Vlase, T.); Perta, M (Perta, M.); Ilia, G (Ilia, G.); Plesu, N (Plesu, N.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 97 **Issue:** 2 **Pages:** 479-484 **DOI:** 10.1007/s10973-009-0217-y **Published Date:** 2009 AUG

33

Title: Study on the mechanism of the selective activation of solids in a homogeneous and isotropic thermal field

Author(s): Pop, N (Pop, Nicolina); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, T.); Doca, N (Doca, N.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 97 **Issue:** 2 **Pages:** 667-671 **DOI:** 10.1007/s10973-008-9671-1 **Published Date:** 2009 AUG

34

Title: Estimation of Flame Retardancy Effect by Thermal Analysis Using Kinetic Parameters Obtained under Non-Isothermal Conditions in Air

Author(s): Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Doca, N (Doca, Nicolae); Ilia, G (Ilia, Gheorghe)

Source: CHINESE JOURNAL OF CHEMISTRY **Volume:** 27 **Issue:** 10 **Pages:** 1919-1924 **DOI:** 10.1002/cjoc.200990322 **Published Date:** 2009 OCT

35

Title: Thermo-oxidative stabilization of a MDI

Author(s): Vlase, T (Vlase, Titus); Bolcu, C (Bolcu, Constantin); Vlase, G (Vlase, Gabriela); Mogos, A (Mogos, Alin); Doca, N (Doca, Nicolae)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 99 **Issue:** 3 **Pages:** 973-979 **DOI:** 10.1007/s10973-009-0536-z **Published Date:** 2010 MAR

36

Title: Thermal behaviour of cephalixin in different mixtures

Author(s): Fulias, A (Fulias, Adriana); Vlase, T (Vlase, Titus); Vlase, G (Vlase, Gabriela); Doca, N (Doca, Nicolae)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 99 **Issue:** 3 **Pages:** 987-992 **DOI:** 10.1007/s10973-010-0708-x **Published Date:** 2010 MAR

37

Title: Thermal behavior of titania grafted with phosphonic acids under non-isothermal conditions

Author(s): Ilia, G (Ilia, Gheorghe); Drehe, M (Drehe, Madalina); Vlase, T (Vlase, Titus); Vlase, G (Vlase, Gabriela); Macarie, L (Macarie, Lavinia); Doca, N (Doca, Nicolae)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 100 **Issue:** 3 **Pages:** 917-923 **DOI:** 10.1007/s10973-009-0381-0 **Published Date:** 2010 JUN

38

Title: THERMAL STUDY OF CEFOPERAZONE MONOHYDRATE

Author(s): Fulias, A (Fulias, Adriana); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Tita, B (Tita, Bogdan); Tita, D (Tita, Dumitru); Doca, N (Doca, Nicolae)

Source: REVUE ROUMAINE DE CHIMIE **Volume:** 55 **Issue:** 8 **Pages:** 481-486 **Published Date:** 2010 AUG

39

Title: Thermo-oxidative Degradation of Polymers Containing Phosphorus in the Main Chain

Author(s): Vlase, T (Vlase, Titus); Vlase, G (Vlase, Gabriela); Doca, N (Doca, Nicolae); Iliescu, S (Iliescu, Smaranda); Ilia, G (Ilia, Gheorghe)

Source: HIGH PERFORMANCE POLYMERS **Volume:** 22 **Issue:** 7 **Pages:** 863-875 **DOI:** 10.1177/0954008310364423 **Published Date:** 2010 NOV

40

Title: THERMAL BEHAVIOUR OF ACTIVE COMPOUNDS *<i>VERSUS</i>* PHARMACEUTICAL COMPOUNDS FOR SOME BENZODIAZEPINES

Author(s): Tita, D (Tita, Dumitru); Fulias, A (Fulias, Adriana); Tita, B (Tita, Bogdan); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Doca, N (Doca, Nicolae)

Source: REVUE ROUMAINE DE CHIMIE **Volume:** 55 **Issue:** 11-12 **Pages:** 1047+ **Published Date:** 2010 NOV-DEC

41

Title: Thermoanalytical Study of Cefadroxil and its Mixtures with Different Excipients

Author(s): Fulias, A (Fulias, Adriana); Vlase, T (Vlase, Titus); Vlase, G (Vlase, Gabriela); Szabadai, Z (Szabadai, Zoltan); Rusu, G (Rusu, Gerlinde); Bandur, G (Bandur, Geza); Tita, D (Tita, Dumitru); Doca, N (Doca, Nicolae)

Source: REVISTA DE CHIMIE **Volume:** 61 **Issue:** 12 **Pages:** 1202-1206 **Published Date:** 2010 DEC

42

Title: Synthesis and characterization of new hydroxycarboxylate compounds obtained in the redox reaction between Fe(NO₃)₃ and diol

Author(s): Stefanescu, O (Stefanescu, O.); Vlase, T (Vlase, T.); Vlase, G (Vlase, G.); Doca, N (Doca, N.); Stefanescu, M (Stefanescu, M.)

Source: THERMOCHIMICA ACTA **Volume:** 519 **Issue:** 1-2 **Pages:** 22-27 **DOI:** 10.1016/j.tca.2011.02.024 **Published Date:** 2011 MAY 20

43

Title: Thermal analysis study of amlodipine as pure compound and in binary mixture

Author(s): Duda-Seiman, C (Duda-Seiman, Corina); Vlase, T (Vlase, T.); Vlase, G (Vlase, Gabriela); Duda-Seiman, D (Duda-Seiman, D.); Albu, P (Albu, P.); Doca, N (Doca, N.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 105 **Issue:** 2 **Pages:** 677-683 **DOI:** 10.1007/s10973-011-1431-y **Published Date:** 2011 AUG

44

Title: Kinetics of degradation under non-isothermal conditions of a thermooxidative stabilized polyurethane

Author(s): Albu, P (Albu, P.); Bolcu, C (Bolcu, C.); Vlase, G (Vlase, Gabriela); Doca, N (Doca, N.); Vlase, T (Vlase, T.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 105 **Issue:** 2 **Pages:** 685-689 **DOI:** 10.1007/s10973-011-1497-6 **Published Date:** 2011 AUG

45

Title: Thermal behavior of verapamil in pure and in solid dosage forms

Author(s): Duda-Seiman, C (Duda-Seiman, Corina); Vlase, T (Vlase, T.); Vlase, G (Vlase, Gabriela); Cinca, R (Cinca, Rodica); Anghel, M (Anghel, Mariana); Doca, N (Doca, N.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 105 **Issue:** 3 **Pages:** 851-858 **DOI:** 10.1007/s10973-011-1460-6 **Published Date:** 2011 SEP

46

Title: SELECTIVE ACTIVATION OF HETEROGENEOUS SYSTEMS: A CONSEQUENCE OF THE JAHN-TELLER EFFECT

Author(s): Doca, N (Doca, Nicolae); Pop, N (Pop, Nicolina); Mogos, A (Mogos, Alin); Albu, P (Albu, Paul); Vlase, T (Vlase, Titus)

Source: REVUE ROUMAINE DE CHIMIE **Volume:** 56 **Issue:** 10-11 **Pages:** 953-957 **Published Date:** 2011 OCT-NOV

47

Title: THERMAL STABILITY AND BIOLOGICAL INTERACTIONS OF SOME CEPHALOSPORINS

Author(s): Fulias, A (Fulias, Adriana); Bobric, A (Bobric, Alina); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Doca, N (Doca, Nicolae)

Source: REVUE ROUMAINE DE CHIMIE **Volume:** 56 **Issue:** 10-11 **Pages:** 959-966 **Published Date:** 2011 OCT-NOV

48

Title: THERMAL DECOMPOSITION KINETICS OF CEFADROXIL

Author(s): Fulias, A (Fulias, Adriana); Doca, N (Doca, Nicolae); Vlase, G (Vlase, Gabriela); Tita, B (Tita, Bogdan); Tita, D (Tita, Dumitru); Vlase, T (Vlase, Titus)

Source: REVUE ROUMAINE DE CHIMIE **Volume:** 56 **Issue:** 10-11 **Pages:** 967-973 **Published Date:** 2011 OCT-NOV

49

Title: Novel low temperature synthesis method for nanocrystalline zinc and magnesium chromites

Author(s): Stefanescu, M (Stefanescu, Mircea); Barbu, M (Barbu, Mirela); Vlase, T (Vlase, Titus); Barvinschi, P (Barvinschi, Paul); Barbu-Tudoran, L (Barbu-Tudoran, Lucian); Stoia, M (Stoia, Marcela)

Source: THERMOCHIMICA ACTA **Volume:** 526 **Issue:** 1-2 **Pages:** 130-136 **DOI:** 10.1016/j.tca.2011.09.005 **Published Date:** 2011 NOV 10

50

Title: Thermal analysis and high-temperature X-ray diffraction of nano-tricalcium phosphate crystallization

Author(s): Bucur, AI (Bucur, Alexandra Ioana); Bucur, R (Bucur, Raul); Vlase, T (Vlase, Titus); Doca, N (Doca, Nicolae)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 107 **Issue:** 1 **Pages:** 249-255 **DOI:** 10.1007/s10973-011-1753-9 **Published Date:** 2012 JAN

51

Title: HYPHENATED TECHNIQUES USED BY EVALUATION OF THE THERMAL BEHAVIOUR OF GLYCIRRHETINIC ACID

Author(s): Anghel, M (Anghel, Mariana); Vlase, T (Vlase, Titus); Vlase, G (Vlase, Gabriela); Albu, P (Albu, Paul); Doca, N (Doca, Nicolae); Tolan, I (Tolan, Iolanda); Mracec, M (Mracec, Mircea)

Source: REVUE ROUMAINE DE CHIMIE **Volume:** 57 **Issue:** 7-8 **Pages:** 747-753 **Published Date:** 2012 JUL-AUG

52

Title: Kinetics of thermal decomposition of natrium oxalato-oxo-diperoxo molibdate

Author(s): Bodescu, AM (Bodescu, Adina-Maria); Sîrghie, C (Sirghie, Cecilia); Vlase, T (Vlase, Titus); Doca, N (Doca, Nicolae)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 110 **Issue:** 3 **Pages:** 1243-1247 **DOI:** 10.1007/s10973-011-1993-8 **Published Date:** 2012 DEC

53

Title: NOVEL TRIAZOLIC COPPER (II) COMPLEX: SYNTHESIS, THERMAL BEHAVIOUR AND KINETIC STUDY

Author(s): Ledeti, I (Ledeti, Ionut); Fulias, A (Fulias, Adriana); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Doca, N (Doca, Nicolae)

Source: REVUE ROUMAINE DE CHIMIE **Volume:** 58 **Issue:** 4-5 **Pages:** 441-450 **Published Date:** 2013 APR-MAY

54

Title: Comparative kinetic analysis on thermal degradation of some cephalosporins using TG and DSC data

Author(s): Fulias, A (Fulias, Adriana); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Soica, C (Soica, Codruta); Heghes, A (Heghes, Alina); Craina, M (Craina, Marius); Heghes, A (Heghes, Alina); Ledeti, I (Ledeti, Ionut)

Source: CHEMISTRY CENTRAL JOURNAL **Volume:** 7 **Article Number:** 70 **DOI:** 10.1186/1752-153X-7-70 **Published Date:** 2013 APR 17

55

Title: Theoretic analysis and experimental evidence for relationships between the derivative thermogravimetric curves and the Gramm-Schmidt profiles

Author(s): Pop, N (Pop, N.); Mogos, AM (Mogos, A. M.); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, T.); Doca, N (Doca, N.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 113 **Issue:** 1 **Pages:** 113-119 **DOI:** 10.1007/s10973-013-2967-9 **Published Date:** 2013 JUL

56

Title: Physico-chemical solid-state characterization of pharmaceutical pyrazolones: An unexpected thermal behaviour

Author(s): Fulias, A (Fulias, Adriana); Ledeti, I (Ledeti, Ionut); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus)

Source: JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS **Volume:** 81-82 **Pages:** 44-49 **DOI:** 10.1016/j.jpba.2013.03.018 **Published Date:** 2013 JUL-AUG

57

Title: Thermal behaviour studies of procaine and benzocaine Part I. Kinetic analysis of the active substances under non-isothermal conditions

Author(s): Fulias, A (Fulias, Adriana); Vlase, G (Vlase, Gabriela); Grigorie, C (Grigorie, Carmen); Ledeti, I (Ledeti, Ionut); Albu, P (Albu, Paul); Bilanin, M (Bilanin, Mihai); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 113 **Issue:** 1 **Pages:** 265-271 **DOI:** 10.1007/s10973-013-2959-9 **Published Date:** 2013 JUL

58

Title: Thermal behaviour of procaine and benzocaine Part II: compatibility study with some pharmaceutical excipients used in solid dosage forms

Author(s): Fulias, A (Fulias, Adriana); Ledeti, I (Ledeti, Ionut); Vlase, G (Vlase, Gabriela); Popoiu, C (Popoiu, Calin); Heghes, A (Heghes, Alina); Bilanin, M (Bilanin, Mihai); Vlase, T (Vlase, Titus); Gheorgheosu, D (Gheorgheosu, Dorina); Craina, M (Craina, Marius); Ardelean, S (Ardelean, Simona); Ferechide, D (Ferechide, Dumitru); Marginean, O (Marginean, Otilia); Mos, L (Mos, Liana)

Source: CHEMISTRY CENTRAL JOURNAL **Volume:** 7 **Article Number:** 140 **DOI:** 10.1186/1752-153X-7-140 **Published Date:** 2013 AUG 20

59

Title: Thermal behavior of Co(II) and Ni(II) hydroxycarboxylate complexes obtained by two original synthesis methods

Author(s): Stefanescu, O (Stefanescu, O.); Vlase, T (Vlase, T.); Sorescu, S (Sorescu, S.); Barvinschi, P (Barvinschi, P.); Stefanescu, M (Stefanescu, M.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 113 **Issue:** 3 **Pages:** 1345-1354 **DOI:** 10.1007/s10973-013-2951-4 **Published Date:** 2013 SEP

60

Title: Thermal behavior of some polyurethanes reticulated by aminated maltose

Author(s): Bolcu, C (Bolcu, Constantin); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Albu, P (Albu, Paul); Doca, N (Doca, Nicolae); Sisu, E (Sisu, Eugen)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 113 **Issue:** 3 **Pages:** 1409-1414 **DOI:** 10.1007/s10973-013-3177-1 **Published Date:** 2013 SEP

61

Title: Comparative kinetics studies of thermal decomposition of kalium, respectively natrium oxalato-oxo-diperoxo molibdate

Author(s): Bodescu, AM (Bodescu, Adina-Maria); Sîrghie, C (Sirghie, Cecilia); Vlase, T (Vlase, Titus); Doca, N (Doca, Nicolae)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 113 **Issue:** 3 **Pages:** 1431-1435 **DOI:** 10.1007/s10973-013-3192-2 **Published Date:** 2013 SEP

62

Title: Comparative study on the thermal behavior of two similar triterpenes from birch

Author(s): Anghel, M (Anghel, Mariana); Vlase, G (Vlase, Gabriela); Bilanin, M (Bilanin, Mihai); Vlase, T (Vlase, Titus); Albu, P (Albu, Paul); Fulias, A (Fulias, Adriana); Tolan, I (Tolan, Iolanda); Doca, N (Doca, Nicolae)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 113 **Issue:** 3 **Pages:** 1379-1385 **DOI:** 10.1007/s10973-013-3203-3 **Published Date:** 2013 SEP

63

Title: Challenges in education in thermal analysis and calorimetry

Author(s): Verma, RK (Verma, Ranjit K.); Kristóf, J (Kristof, J.); Pijolat, M (Pijolat, Michele); Grenet, J (Grenet, J.); Doca, N (Doca, N.); Vlase, T (Vlase, T.); Vlase, G (Vlase, G.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 113 **Issue:** 3 **Pages:** 1675-1679 **DOI:** 10.1007/s10973-013-3135-y **Published Date:** 2013 SEP

64

Title: Synthesis and Solid-State Characterization of Zn(II) Metal Complex with Acetaminophen

Author(s): Ledeti, I (Ledeti, Ionut); Simu, G (Simu, Georgeta); Vlase, G (Vlase, Gabriela); Savoiiu, G (Savoiiu, Germaine); Vlase, T (Vlase, Titus); Suta, LM (Suta, Lenuta- Maria); Popoiu, C (Popoiu, Calin); Fulias, A (Fulias, Adriana)

Source: REVISTA DE CHIMIE **Volume:** 64 **Issue:** 10 **Pages:** 1127-1130 **Published Date:** 2013 OCT

65

Title: Thermal behaviour and kinetic study of some triazoles as potential anti-inflammatory agents

Author(s): Ledeti, I (Ledeti, Ionut); Fulias, A (Fulias, Adriana); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Bercean, V (Bercean, Vasile); Doca, N (Doca, Nicolae)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 114 **Issue:** 3 **Pages:** 1295-1305 **DOI:** 10.1007/s10973-013-3123-2 **Published Date:** 2013 DEC

66

Title: FERMIONIC OSCILLATORS AND THEIR CONNECTION WITH THE ISOKINETIC TEMPERATURE

Author(s): Pop, N (Pop, N.); Hatiegan, C (Hatiegan, C.); Vlase, T (Vlase, T.); Raduca, M (Raduca, M.); Gillich, GR (Gillich, G. R.); Vasile, O (Vasile, O.); Raduca, E (Raduca, E.)

Source: ROMANIAN REPORTS IN PHYSICS **Volume:** 66 **Issue:** 3 **Pages:** 716-722 **Published Date:** 2014

67

Title: Synthesis and thermal behavior of some diisocyanate-silane compounds

Author(s): Bolcu, C (Bolcu, Constantin); Modra, D (Modra, Dorina); Vlase, G (Vlase, Gabriela); Doca, N (Doca, Nicolae); Mihali, C (Mihali, Ciprian); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 115 **Issue:** 1 **Pages:** 489-494 **DOI:** 10.1007/s10973-013-3187-z **Published Date:** 2014 JAN

68

Title: THERMOANALYTICAL AND SPECTROSCOPIC STUDY ON METHOTREXATE - ACTIVE SUBSTANCE AND TABLET

Author(s): Fulias, A (Fulias, Adriana); Popoiu, C (Popoiu, Calin); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Onetiu, D (Onetiu, Daniela); Savoiiu, G (Savoiiu, Germaine); Simu, G (Simu, Georgeta); Patrutescu, C (Patrutescu, Cristina); Ilia, G (Ilia, Gheorghe); Ledeti, I (Ledeti, Ionut)

Source: DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES **Volume:** 9 **Issue:** 1 **Pages:** 93-98 **Published Date:** 2014 JAN-MAR

69

Title: Ni(II) Coordination Compound with Acetaminophen Synthesis and Characterization

Author(s): Ledeti, I (Ledeti, Ionut); Simu, G (Simu, Georgeta); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Olariu, T (Olariu, Tudor); Savoiiu, G (Savoiiu, Germaine); Suta, LM (Suta, Lenuta-Maria); Popoiu, C (Popoiu, Calin); Fulias, A (Fulias, Adriana)

Source: REVISTA DE CHIMIE **Volume:** 65 **Issue:** 5 **Pages:** 556-559 **Published Date:** 2014 MAY

70

Title: Synthesis and Solid - state Characterization of a Cobalt(II) Triazolic Complex

Author(s): Ledeti, I (Ledeti, Ionut); Vlase, T (Vlase, Titus); Vlase, G (Vlase, Gabriela); Suta, LM (Suta, Lenuta-Maria); Fulias, A (Fulias, Adriana); Belu, I (Belu, Ionela)

Source: REVISTA DE CHIMIE **Volume:** 65 **Issue:** 8 **Pages:** 897-902 **Published Date:** 2014 AUG

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Title: Compatibility of Ester-type Anesthetic Agents with Two Polysaccharides

Author(s): Patrascu, J (Patrascu, Jenel); Bedreag, O (Bedreag, Ovidiu); Papurica, M (Papurica, Marius); Biris, M (Biris, Marius); Ancusa, O (Ancusa, Oana); Onetiu, D (Onetiu, Daniela); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Sandesc, D (Sandesc, Dorel)

Source: REVISTA DE CHIMIE **Volume:** 65 **Issue:** 8 **Pages:** 921-924 **Published Date:** 2014 AUG

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Title: Solid-State Analysis of Some Urinary Calculi

Author(s): Pupca, G (Pupca, Gheorghe); Bucuras, V (Bucuras, Viorel); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Fulias, A (Fulias, Adriana); Ledeti, I (Ledeti, Ionut)

Source: REVISTA DE CHIMIE **Volume:** 65 **Issue:** 9 **Pages:** 1058-1062 **Published Date:** 2014 SEP

73

Title: Characterization of Pharmaceutical Acetylsalicylic Acid - theophylline Cocrystal Obtained by Slurry Method Under Microwave Irradiation

Author(s): Fulias, A (Fulias, Adriana); Soica, C (Soica, Codruta); Ledeti, I (Ledeti, Ionut); Vlase, T (Vlase, Titus); Vlase, G (Vlase, Gabriela); Suta, LM (Suta, Lenuta-Maria); Belu, I (Belu, Ionela)

Source: REVISTA DE CHIMIE **Volume:** 65 **Issue:** 11 **Pages:** 1281-1284 **Published Date:** 2014 NOV

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Title: Thermal behaviour of a modified encapsulation agent Heptakis-6-iodo-6-deoxy-beta-cyclodextrin

Author(s): Fulias, A (Fulias, Adriana); Vlase, G (Vlase, Gabriela); Soica, C (Soica, Codruta); Bercean, V (Bercean, Vasile); Vlase, T (Vlase, Titus); Ledeti, I (Ledeti, Ionut)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 118 **Issue:** 2 **Pages:** 961-966 **DOI:** 10.1007/s10973-014-3727-1 **Published Date:** 2014 NOV

75

Title: Thermal degradation of B-group vitamins: B₁, B₂ and B₆

Author(s): Fulias, A (Fulias, Adriana); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Onetiu, D (Onetiu, Daniela); Doca, N (Doca, Nicolae); Ledeti, I (Ledeti, Ionut)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 118 **Issue:** 2 **Pages:** 1033-1038 **DOI:** 10.1007/s10973-014-3847-7 **Published Date:** 2014 NOV

76

Title: Thermal decomposition, kinetic study and evolved gas analysis of 1,3,5-triazine-2,4,6-triamine

Author(s): Ledeti, I (Ledeti, Ionut); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Doca, N (Doca, Nicolae); Bercean, V (Bercean, Vasile); Fulias, A (Fulias, Adriana)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 118 **Issue:** 2 **Pages:** 1057-1063 **DOI:** 10.1007/s10973-014-3848-6 **Published Date:** 2014 NOV

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Title: Synthesis and thermal behavior of new ambazone complexes with some transitional cations

Author(s): Soica, C (Soica, Codruta); Fulias, A (Fulias, Adriana); Vlase, G (Vlase, Gabriela); Dehelean, C (Dehelean, Cristina); Vlase, T (Vlase, Titus); Ledeti, I (Ledeti, Ionut)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 118 **Issue:** 2 **Pages:** 1305-1311 **DOI:** 10.1007/s10973-014-3858-4 **Published Date:** 2014 NOV

78

Title: Physicochemical characterization of zofenopril inclusion complex with 2-hydroxypropyl-β-cyclodextrin

Author(s): Udrescu, L (Udrescu, Lucretia); Sbârcea, L (Sbarcea, Laura); Fulias, A (Fulias, Adriana); Ledeti, I (Ledeti, Ionut); Vlase, T (Vlase, Titus); Barvinschi, P (Barvinschi, Paul); Kurunczi, L (Kurunczi, Ludovic)

Source: JOURNAL OF THE SERBIAN CHEMICAL SOCIETY **Volume:** 80 **Issue:** 4 **Pages:** 485-497 **DOI:** 10.2298/JSC140828118U **Published Date:** 2015

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Title: Synthesis and Degradation of Schiff Bases Containing Heterocyclic Pharmacophore

Author(s): Ledeti, I (Ledeti, Ionut); Alexa, A (Alexa, Anda); Bercean, V (Bercean, Vasile); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Suta, LM (Suta, Lenuta-Maria); Fulias, A (Fulias, Adriana)

Source: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES **Volume:** 16 **Issue:** 1 **Pages:** 1711-1727 **DOI:** 10.3390/ijms16011711
Published Date: 2015 JAN

80

Title: Study of Solid - State Behaviour of Some Human Gallstones

Author(s): Ivan, C (Ivan, Codrut); Ledeti, I (Ledeti, Ionut); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Fulias, A (Fulias, Adriana); Olariu, S (Olariu, Sorin)

Source: REVISTA DE CHIMIE **Volume:** 66 **Issue:** 2 **Pages:** 265-270 **Published Date:** 2015 FEB

81

Title: THERMAL BEHAVIOUR AND DRUG-EXCIPIENT INTERACTION STUDIES FOR QUINIDINE

Author(s): Albu, P (Albu, Paul); Mogos, A (Mogos, Alin); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus)

Source: REVUE ROUMAINE DE CHIMIE **Volume:** 60 **Issue:** 5-6 **Pages:** 587-593 **Published Date:** 2015 MAY-JUN

82

Title: Thermal Characterization of Polymeric Coatings for Pharmaceutical Dosage Forms

Author(s): Fulias, A (Fulias, Adriana); Vlase, G (Vlase, Gabriela); Todea, A (Todea, Anamaria); Vlase, T (Vlase, Titus); Ledeti, I (Ledeti, Ionut)

Source: MACROMOLECULAR SYMPOSIA **Volume:** 352 **Issue:** 1 **Special Issue:** SI **Pages:** 59-65 **DOI:** 10.1002/masy.201400154
Published Date: 2015 JUN

83

Title: Instrumental Analysis of Potential Lovastatin - excipient Interactions in Preformulation Studies

Author(s): Ledeti, I (Ledeti, Ionut); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Ciucanu, I (Ciucanu, Ionel); Olariu, T (Olariu, Tudor); Todea, A (Todea, Anamaria); Fulias, A (Fulias, Adriana); Suta, LM (Suta, Lenuta-Maria)

Source: REVISTA DE CHIMIE **Volume:** 66 **Issue:** 6 **Pages:** 879-882 **Published Date:** 2015 JUN

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Title: Local Anesthetic Agents III. Study of solid dosage forms with pharmaceutical excipients

Author(s): Popovici, AR (Popovici, Amina Ramona); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Suta, LM (Suta, Lenuta-Maria); Popoiu, C (Popoiu, Calin); Ledeti, I (Ledeti, Ionut); Iovanescu, G (Iovanescu, Gheorghie); Fulias, A (Fulias, Adriana)

Source: REVISTA DE CHIMIE **Volume:** 66 **Issue:** 7 **Pages:** 1046-1051 **Published Date:** 2015 JUL

85

Title: Preliminary Kinetic Study for Heterogenous Degradation of Cholesterol - Containing Human Biliary Stones

Author(s): Ivan, C (Ivan, Codrut); Suta, LM (Suta, Lenuta-Maria); Olariu, T (Olariu, Tudor); Ledeti, I (Ledeti, Ionut); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Olariu, S (Olariu, Sorin); Matusz, P (Matusz, Petru); Fulias, A (Fulias, Adriana)

Source: REVISTA DE CHIMIE **Volume:** 66 **Issue:** 8 **Pages:** 1253-1255 **Published Date:** 2015 AUG

86

Title: TG/DTG/DTA data used for determining the kinetic parameters of the thermal degradation process of an immunosuppressive agent: mycophenolate mofetil

Author(s): Patrutescu, C (Patrutescu, Cristina); Vlase, G (Vlase, Gabriela); Turcus, V (Turcus, Violeta); Ardelean, D (Ardelean, Dorina); Vlase, T (Vlase, Titus); Albu, P (Albu, Paul)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 121 **Issue:** 3 **Pages:** 983-988 **DOI:** 10.1007/s10973-015-4620-2 **Published Date:** 2015 SEP

87

Title: Influence of the nature of the chain breaker on the thermal stability of phthalic anhydride-based polyesters

Author(s): Modra, D (Modra, Dorina); Vlase, G (Vlase, Gabriela); Albu, P (Albu, Paul); Bolcu, C (Bolcu, Constantin); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 121 **Issue:** 3 **Pages:** 1021-1030 **DOI:** 10.1007/s10973-015-4764-0 **Published Date:** 2015 SEP

88

Title: Thermal behaviour of the polyesters obtained with different molar ratios of carboxyl hydroxyl components

Author(s): Albu, P (Albu, Paul); Vlase, G (Vlase, Gabriela); Modra, D (Modra, Dorina); Bolcu, C (Bolcu, Constantin); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 121 **Issue:** 3 **Pages:** 1031-1037 **DOI:** 10.1007/s10973-015-4783-x **Published Date:** 2015 SEP

89

Title: Kinetic of solid-state degradation of transitional coordinative compounds containing functionalized 1,2,4-triazolic ligand

Author(s): Ledeti, I (Ledeti, Ionut); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Bercean, V (Bercean, Vasile); Fulias, A (Fulias, Adriana)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 121 **Issue:** 3 **Pages:** 1049-1057 **DOI:** 10.1007/s10973-015-4520-5 **Published Date:** 2015 SEP

90

Title: Screening and characterization of cocrystal formation between carbamazepine and succinic acid

Author(s): Fulias, A (Fulias, Adriana); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Suta, LM (Suta, Lenuta-Maria); Soica, C (Soica, Codruta); Ledeti, I (Ledeti, Ionut)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 121 **Issue:** 3 **Pages:** 1081-1086 **DOI:** 10.1007/s10973-015-4473-8 **Published Date:** 2015 SEP

91

Title: Selection of solid-state excipients for simvastatin dosage forms through thermal and nonthermal techniques

Author(s): Ledeti, I (Ledeti, Ionut); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Suta, LM (Suta, Lenuta-Maria); Todea, A (Todea, Anamaria); Fulias, A (Fulias, Adriana)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 121 **Issue:** 3 **Pages:** 1093-1102 **DOI:** 10.1007/s10973-015-4832-5 **Published Date:** 2015 SEP

92

Title: Kinetic analysis of solid-state degradation of pure pravastatin versus pharmaceutical formulation

Author(s): Ledeti, I (Ledeti, Ionut); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Fulias, A (Fulias, Adriana)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 121 **Issue:** 3 **Pages:** 1103-1110 **DOI:** 10.1007/s10973-015-4842-3 **Published Date:** 2015 SEP

93

Title: Synthesis and magnetic properties of $\text{Co}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ ($x=0 \div 1$) nanopowders by thermal decomposition of Co(II), Zn(II) and Fe(III) carboxylates

Author(s): Stefanescu, M (Stefanescu, Mircea); Bozdog, M (Bozdog, Marius); Muntean, C (Muntean, Cornelia); Stefanescu, O (Stefanescu, Oana); Vlase, T (Vlase, Titus)

Source: JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS **Volume:** 393 **Pages:** 92-98 **DOI:** 10.1016/j.jmmm.2015.05.048 **Published Date:** 2015

94

Title: Solid-State Characterization and Biological Activity of Betulonic Acid Derivatives

Author(s): Ledeti, I (Ledeti, Ionut); Avram, S (Avram, Stefana); Bercean, V (Bercean, Vasile); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Ledeti, A (Ledeti, Adriana); Zupko, I (Zupko, Istvan); Mioc, M (Mioc, Marius); Suta, LM (Suta, Lenuta-Maria); Soica, C (Soica, Codruta); Dehelean, C (Dehelean, Cristina)

Source: MOLECULES **Volume:** 20 **Issue:** 12 **Pages:** 22691-22702 **DOI:** 10.3390/molecules201219876 **Published Date:** 2015 DEC

95

Title: Thermal Characterization of Cholesterol in Air vs. Nitrogen Atmosphere

Author(s): Suta, LM (Suta, Lenuta-Maria); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Savoiu-Balint, G (SavoIU-Balint, Germaine); Olariu, T (Olariu, Tudor); Belu, I (Belu, Ionela); Ledeti, A (Ledeti, Adriana); Murariu, MS (Murariu, Marius-Sorin); Stelea, L (Stelea, Lavinia); Ledeti, I (Ledeti, Ionut)

Source: REVISTA DE CHIMIE **Volume:** 67 **Issue:** 1 **Pages:** 84-86 **Published Date:** 2016 JAN

96

Title: Solid State Stability of Cholesterol Preliminary kinetic analysis

Author(s): Suta, LM (Suta, Lenuta-Maria); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Olariu, T (Olariu, Tudor); Ledeti, I (Ledeti, Ionut); Belu, I (Belu, Ionela); Ivan, C (Ivan, Codrut); Sarau, CA (Sarau, Cristian-Andrei); SavoIU-Balint, G (SavoIU-Balint, Germaine); Stelea, L (Stelea, Lavinia); Ledeti, A (Ledeti, Adriana)

Source: REVISTA DE CHIMIE **Volume:** 67 **Issue:** 1 **Pages:** 113-115 **Published Date:** 2016 JAN

97

Title: Solid-State Thermal Behaviour of Cholic Acid

Author(s): Suta, LM (Suta, Lenuta Maria); Vlase, G (Vlase, Gabriela); Ledeti, A (Ledeti, Adriana); Vlase, T (Vlase, Titus); Matusz, P (Matusz, Petru); Trandafirescu, C (Trandafirescu, Cristina); Circioban, D (Circioban, Denisa); Olariu, S (Olariu, Sorin); Ivan, C (Ivan, Codrut); Murariu, MS (Murariu, Marius-Sorin); Stelea, L (Stelea, Lavinia); Ledeti, I (Ledeti, Ionut)

Source: REVISTA DE CHIMIE **Volume:** 67 **Issue:** 2 **Pages:** 329-331 **Published Date:** 2016 FEB

98

Title: Thermal Stability of Desipramine and Imipramine

Author(s): Ledeti, A (Ledeti, Adriana); Vlase, G (Vlase, Gabriela); Ledeti, I (Ledeti, Ionut); Vlase, T (Vlase, Titus); Matusz, P (Matusz, Petru); Dehelean, C (Dehelean, Cristina); Circioban, D (Circioban, Denisa); Stelea, L (Stelea, Lavinia); Suta, LM (Suta, Lenuta Maria)

Source: REVISTA DE CHIMIE **Volume:** 67 **Issue:** 2 **Pages:** 336-338 **Published Date:** 2016 FEB

99

Title: Non-isothermal Isoconversional Kinetic Study Regarding the Degradation of Albendazole

Author(s): Ledeti, I (Ledeti, Ionut); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Murariu, M (Murariu, Marius); Trandafirescu, C (Trandafirescu, Cristina); Soica, C (Soica, Codruta); Suta, LM (Suta, Lenuta Maria); Dehelean, C (Dehelean, Cristina); Ledeti, A (Ledeti, Adriana)

Source: REVISTA DE CHIMIE **Volume:** 67 **Issue:** 3 **Pages:** 549-552 **Published Date:** 2016 MAR

100

Title: Correlations Between Morphology and Instrumental Analysis of Human Gallstones - Preliminary Study

Author(s): Murariu, MS (Murariu, Marius Sorin); Olariu, S (Olariu, Sorin); Ivan, C (Ivan, Codrut); Ledeti, I (Ledeti, Ionut); Vlase, T (Vlase, Titus); Vlase, G (Vlase, Gabriela); Ledeti, A (Ledeti, Adriana); Iacob, N (Iacob, Nicoleta); Miclaus, GD (Miclaus, Gratian D.); Matusz, P (Matusz, Petru)

Source: REVISTA DE CHIMIE **Volume:** 67 **Issue:** 3 **Pages:** 575-579 **Published Date:** 2016 MAR

101

Title: Thermal stability of synthetic thyroid hormone L-thyroxine and L-thyroxine sodium salt hydrate both pure and in pharmaceutical formulations

Author(s): Ledeti, I (Ledeti, Ionut); Ledeti, A (Ledeti, Adriana); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Matusz, P (Matusz, Petru); Bercean, V (Bercean, Vasile); Suta, LM (Suta, Lenuta-Maria); Piciu, D (Piciu, Doina)

Source: JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS **Volume:** 125 **Pages:** 33-40 **DOI:** 10.1016/j.jpba.2016.03.026 **Published Date:** 2016 JUN 5

102

Title: Thermal degradation, kinetic analysis, and apoptosis induction in human melanoma for oleanolic and ursolic acids

Author(s): Fulias, A (Fulias, Adriana); Ledeti, I (Ledeti, Ionut); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Soica, C (Soica, Codruta); Dehelean, C (Dehelean, Cristina); Oprean, C (Oprean, Camelia); Bojin, F (Bojin, Florina); Suta, LM (Suta, Lenuta-Maria); Bercean, V (Bercean, Vasile); Avram, S (Avram, Stefana)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 125 **Issue:** 2 **Pages:** 759-768 **DOI:** 10.1007/s10973-015-5052-8 **Published Date:** 2016 AUG

103

Title: Comparative thermal stability of two similar-structure hypolipidemic agents Simvastatin and Lovastatin-kinetic study

Author(s): Ledeti, I (Ledeti, Ionut); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Fulias, A (Fulias, Adriana); Suta, LM (Suta, Lenuta-Maria)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 125 **Issue:** 2 **Pages:** 769-775 **DOI:** 10.1007/s10973-015-5071-5 **Published Date:** 2016 AUG

104

Title: Betulonic acid Study of thermal degradation by kinetic approach

Author(s): Ledeti, I (Ledeti, Ionut); Bercean, V (Bercean, Vasile); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Ledeti, A (Ledeti, Adriana); Suta, LM (Suta, Lenuta- Maria)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 125 **Issue:** 2 **Pages:** 785-791 **DOI:** 10.1007/s10973-016-5299-8 **Published Date:** 2016 AUG

105

Title: Study of thermal induced excipient-excipient interactions

Author(s): Blajovan, R (Blajovan, Roxana); Ledeti, I (Ledeti, Ionut); Vlase, G (Vlase, Gabriela); Ledeti, A (Ledeti, Adriana); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 126 **Issue:** 1 **Pages:** 171-179 **DOI:** 10.1007/s10973-016-5348-3 **Published Date:** 2016 OCT

106

Title: Solid-state preformulation studies of amiodarone hydrochloride

Author(s): Ledeti, A (Ledeti, Adriana); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Bercean, V (Bercean, Vasile); Murariu, MS (Murariu, Marius Sorin); Ledeti, I (Ledeti, Ionut); Suta, LM (Suta, Lenuta-Maria)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 126 **Issue:** 1 **Pages:** 181-187 **DOI:** 10.1007/s10973-016-5256-6 **Published Date:** 2016 OCT

107

Title: Sodium alendronate used in bone treatment

Author(s): Doca, SC (Doca, Sorin Cristian); Albu, P (Albu, Paul); Ceban, I (Ceban, Iulia); Anghel, A (Anghel, Andrei); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 126 **Issue:** 1 **Pages:** 189-194 **DOI:** 10.1007/s10973-016-5619-z **Published Date:** 2016 OCT

108

Title: Thermal behavior of phthalic anhydride-based polyesters

Author(s): Vlase, G (Vlase, Gabriela); Bolcu, C (Bolcu, Constantin); Modra, D (Modra, Dorina); Budiul, MM (Budiul, Mihaela Maria); Ledeti, I (Ledeti, Ionut); Albu, P (Albu, Paul); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 126 **Issue:** 1 **Pages:** 287-292 **DOI:** 10.1007/s10973-016-5509-4 **Published Date:** 2016 OCT

109

Title: Thermal behavior of phthalic anhydride bases polyesters

Author(s): Vlase, G (Vlase, Gabriela); Jurcau, D (Jurcau, Dorin); Ledeti, A (Ledeti, Adriana); Ceban, I (Ceban, Iulia); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 126 **Issue:** 1 **Pages:** 293-298 **DOI:** 10.1007/s10973-016-5679-0 **Published Date:** 2016 OCT

110

Title: Thermoanalytical measurements conducted on repaglinide to estimate the kinetic triplet followed by compatibility studies between the antidiabetic agent and various excipients

Author(s): Ceban, I (Ceban, Iulia); Blajovan, R (Blajovan, Roxana); Vlase, G (Vlase, Gabriela); Albu, P (Albu, Paul); Koppandi, O (Koppandi, Oana); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 126 **Issue:** 1 **Pages:** 195-204 **DOI:** 10.1007/s10973-016-5729-7 **Published Date:** 2016 OCT

111

Title: Comparative Stability of Levodopa Under Thermal Stress in both Oxidative and Inert Media

Author(s): Ledeti, A (Ledeti, Adriana); Vlase, G (Vlase, Gabriela); Circioban, D (Circioban, Denisa); Ledeti, I (Ledeti, Ionut); Stelea, L (Stelea, Lavinia); Vlase, T (Vlase, Titus); Caunii, A (Caunii, Angela)

Source: REVISTA DE CHIMIE **Volume:** 67 **Issue:** 12 **Pages:** 2648-2650 **Published Date:** 2016 DEC

112

Title: Comparative Solid-State Stability of Perindopril Active Substance vs. Pharmaceutical Formulation

Author(s): Buda, V (Buda, Valentina); Andor, M (Andor, Minodora); Ledeti, A (Ledeti, Adriana); Ledeti, I (Ledeti, Ionut); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Cristescu, C (Cristescu, Carmen); Voicu, M (Voicu, Mirela); Suciul, L (Suciul, Liana); Tomescu, MC (Tomescu, Mirela Cleopatra)

Source: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES **Volume:** 18 **Issue:** 1 **Article Number:** 164 **DOI:** 10.3390/ijms18010164 **Published Date:** 2017 JAN

113

Title: Thermogravimetric characterization of styrene-divinylbenzene copolymers containing alpha-isopropylaminophosphonic acid groups

Author(s): Popa, A (Popa, Adriana); Ilia, G (Ilia, Gheorghe); Iliescu, S (Iliescu, Smaranda); Doca, N (Doca, Nicolae); Vlase, T (Vlase, Titus); Vlase, G (Vlase, Gabriela)

Source: INTERNATIONAL JOURNAL OF POLYMER ANALYSIS AND CHARACTERIZATION **Volume:** 22 **Issue:** 1 **Pages:** 43-50 **DOI:** 10.1080/1023666X.2016.1230262 **Published Date:** 2017

114

Title: Thermal behavior of saturated phthalic-type polyesters. Influence of the branching polyol

Author(s): Vlase, G (Vlase, Gabriela); Modra, D (Modra, Dorina); Albu, P (Albu, Paul); Ceban, I (Ceban, Iulia); Bolcu, C (Bolcu, Constantin); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 127 **Issue:** 1 **Pages:** 409-414 **DOI:** 10.1007/s10973-016-5667-4 **Published Date:** 2017 JAN

115

Title: Synthesis and morpho-structural characterization of NaTaO₃ nanomaterials obtained by ultrasonic method with immersed sonotrode

Author(s): Sfirloaga, P (Sfirloaga, P.); Poienar, M (Poienar, M.); Ianasi, C (Ianasi, C.); Vlase, T (Vlase, T.); Vlazan, P (Vlazan, P.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 127 **Issue:** 1 **Pages:** 457-462 **DOI:** 10.1007/s10973-016-5854-3 **Published Date:** 2017 JAN

116

Title: Thermogravimetric and calorimetric studies performed on memantine hydrochloride to determine its thermal behaviour and possible drug-excipient interactions

Author(s): Budiul, M (Budiul, Mihaela); Albu, P (Albu, Paul); Vlase, G (Vlase, Gabriela); Turcus, V (Turcus, Violeta); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 127 **Issue:** 1 **Pages:** 555-564 **DOI:** 10.1007/s10973-016-5600-x **Published Date:** 2017 JAN

117

Title: Investigation of thermal-induced decomposition of iodoform

Author(s): Ledeti, I (Ledeti, Ionut); Murariu, M (Murariu, Marius); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Doca, N (Doca, Nicolae); Ledeti, A (Ledeti, Adriana); Suta, LM (Suta, Lenuta-Maria); Olariu, T (Olariu, Tudor)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 127 **Issue:** 1 **Pages:** 565-570 **DOI:** 10.1007/s10973-016-5368-z **Published Date:** 2017 JAN

118

Title: Thermal behavior of sodium alendronate

Author(s): Albu, P (Albu, Paul); Doca, SC (Doca, Sorin Cristian); Anghel, A (Anghel, Andrei); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 127 **Issue:** 1 **Pages:** 571-576 **DOI:** 10.1007/s10973-016-5745-7 **Published Date:** 2017 JAN

119

Title: ZnO-SiO₂ based nanocomposites prepared by a modified sol-gel method

Author(s): Grigorie, AC (Grigorie, Alexandra Carmen); Muntean, C (Muntean, Cornelia); Vlase, T (Vlase, Titus); Locovei, C (Locovei, Cosmin); Stefanescu, M (Stefanescu, Mircea)

Source: MATERIALS CHEMISTRY AND PHYSICS **Volume:** 186 **Pages:** 399-406 **DOI:** 10.1016/j.matchemphys.2016.11.011 **Published Date:** 2017 JAN 15

120

Title: Study of thermally induced interaction between hydroxyethylcellulose and carboxymethylcellulose with different excipients

Author(s): Vlase, G (Vlase, Gabriela); Blajovan, R (Blajovan, Roxana); Albu, P (Albu, Paul); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 130 **Issue:** 1 **Pages:** 397-402 **DOI:** 10.1007/s10973-017-6309-1 **Published Date:** 2017 OCT

121

Title: Studies regarding the induced thermal degradation, kinetic analysis and possible interactions with various excipients of an osseointegration agent: zoledronic acid

Author(s): Albu, P (Albu, Paul); Budiul, M (Budiul, Mihaela); Mateescu, M (Mateescu, Madalina); Chiriac, V (Chiriac, Vlad); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus)

122

Title: Evaluation of solid-state thermal stability of donepezil in binary mixtures with excipients using instrumental techniques

Author(s): Ledeti, I (Ledeti, Ionut); Bolintineanu, S (Bolintineanu, Sorin); Vlase, G (Vlase, Gabriela); Circioban, D (Circioban, Denisa); Dehelean, C (Dehelean, Cristina); Suta, LM (Suta, Lenuta-Maria); Caunii, A (Caunii, Angelica); Ledeti, A (Ledeti, Adriana); Vlase, T (Vlase, Titus); Murariu, M (Murariu, Marius)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 130 **Issue:** 1 **Pages:** 425-431 **DOI:** 10.1007/s10973-017-6250-3 **Published Date:** 2017 OCT

123

Title: Thermal behavior and kinetic study of degradation for adamantan-2-one versus memantine hydrochloride

Author(s): Mateescu, M (Mateescu, Madalina); Budiul, M (Budiul, Mihaela); Albu, P (Albu, Paul); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 130 **Issue:** 1 **Pages:** 391-396 **DOI:** 10.1007/s10973-017-6443-9 **Published Date:** 2017 OCT

124

Title: Compatibility study between antiparkinsonian drug Levodopa and excipients by FTIR spectroscopy, X-ray diffraction and thermal analysis

Author(s): Ledeti, I (Ledeti, Ionut); Bolintineanu, S (Bolintineanu, Sorin); Vlase, G (Vlase, Gabriela); Circioban, D (Circioban, Denisa); Ledeti, A (Ledeti, Adriana); Vlase, T (Vlase, Titus); Suta, LM (Suta, Lenuta-Maria); Caunii, A (Caunii, Angelica); Murariu, M (Murariu, Marius)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 130 **Issue:** 1 **Pages:** 433-441 **DOI:** 10.1007/s10973-017-6393-2 **Published Date:** 2017 OCT

125

Title: Kinetic study for solid-state degradation of mental disorder therapeutic agents Amitriptyline, desipramine and imipramine

Author(s): Ledeti, A (Ledeti, Adriana); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Circioban, D (Circioban, Denisa); Dehelean, C (Dehelean, Cristina); Ledeti, I (Ledeti, Ionut)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 131 **Issue:** 1 **Pages:** 155-165 **DOI:** 10.1007/s10973-016-6064-8 **Published Date:** 2018 JAN

126

Title: Binary adduct formation of desipramine with dicarboxylic acids An instrumental study

Author(s): Ledeti, A (Ledeti, Adriana); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Circioban, D (Circioban,

Denisa); Dehelean, C (Dehelean, Cristina); Ledeti, I (Ledeti, Ionut); Suta, LM (Suta, Lenuta-Maria)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 131 **Issue:** 1 **Pages:** 167-173 **DOI:** 10.1007/s10973-016-5967-8 **Published Date:** 2018 JAN

127

Title: Preformulation studies for nortriptyline Solid-state compatibility with pharmaceutical excipients

Author(s): Ledeti, I (Ledeti, Ionut); Budiul, M (Budiul, Mihaela); Matusz, P (Matusz, Petru); Vlase, G (Vlase, Gabriela); Circioban, D (Circioban, Denisa); Dehelean, C (Dehelean, Cristina); Suta, LM (Suta, Lenuta-Maria); Caunii, A (Caunii, Angelica); Ledeti, A (Ledeti, Adriana); Vlase, T (Vlase, Titus); Murariu, M (Murariu, Marius); Bolintineanu, S (Bolintineanu, Sorin)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 131 **Issue:** 1 **Pages:** 191-199 **DOI:** 10.1007/s10973-017-6269-5 **Published Date:** 2018 JAN

128

Title: Thermally induced interactions between adamantan-2-one and some pharmaceutical excipients

Author(s): Vlase, G (Vlase, Gabriela); Budiul, M (Budiul, Mihaela); Vlase, T (Vlase, Titus); Albu, P (Albu, Paul); Ledeti, A (Ledeti, Adriana)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 131 **Issue:** 1 **Pages:** 201-213 **DOI:** 10.1007/s10973-017-6332-2 **Published Date:**

129

Title: An extensive compatibility study of mycophenolate mofetil with different excipients by spectroscopic and thermoanalytical investigation techniques

Author(s): Vlase, G (Vlase, Gabriela); Budiul, M (Budiul, Mihaela); Patrutescu, C (Patrutescu, Cristina); Albu, P (Albu, Paul); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 131 **Issue:** 1 **Pages:** 225-236 **DOI:** 10.1007/s10973-017-6192-9 **Published Date:** 2018 JAN

130

Title: Evaluation of thermal stability and kinetic of degradation for levodopa in non-isothermal conditions

Author(s): Ledeti, A (Ledeti, Adriana); Olariu, T (Olariu, Tudor); Caunii, A (Caunii, Angelica); Vlase, G (Vlase, Gabriela); Circioban, D (Circioban, Denisa); Baul, B (Baul, Bianca); Ledeti, I (Ledeti, Ionut); Vlase, T (Vlase, Titus); Murariu, M (Murariu, Marius)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 131 **Issue:** 2 **Pages:** 1881-1888 **DOI:** 10.1007/s10973-017-6671-z **Published Date:** 2018 FEB

131

Title: A novel route for the preparation of CoCr₂O₄/SiO₂ nanocomposite starting from Co(II)-Cr(III) carboxylate complex combinations

Author(s): Berei, E (Berei, E.); Stefanescu, O (Stefanescu, O.); Muntean, C (Muntean, C.); Vlase, T (Vlase, T.); Taranu, BO (Taranu, B. O.); Dabici, A (Dabici, A.); Stefanescu, M (Stefanescu, M.)

Source: JOURNAL OF MATERIALS SCIENCE **Volume:** 53 **Issue:** 6 **Pages:** 4159-4172 **DOI:** 10.1007/s10853-017-1834-7 **Published Date:** 2018 MAR

132

Title: Thermal and kinetics studies of primary, secondary and tertiary alkanolammonium salts of 4-nitrobenzoic acid

Author(s): Crisan, M (Crisan, Manuela); Vlase, G (Vlase, Gabriela); Szerb, EI (Szerb, Elisabeta I.); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 132 **Issue:** 2 **Pages:** 1409-1418 **DOI:** 10.1007/s10973-018-6975-7 **Published Date:** 2018 MAY

133

Title: Thermal behavior of entacapone, a catechol-O-methyltransferase inhibitor used in Parkinson's disease

Author(s): Vlase, T (Vlase, Titus); Albu, P (Albu, Paul); Ledeti, A (Ledeti, Adriana); Circioban, D (Circioban, Denisa); Mateescu, M (Mateescu, Madalina); Mosoiu, C (Mosoiu, Codruta); Vlase, G (Vlase, Gabriela)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 134 **Issue:** 1 **Pages:** 711-720 **DOI:** 10.1007/s10973-018-7097-y **Published Date:** 2018 OCT

134

Title: Ethylethanolammonium 4-nitrobenzoate

Author(s): Crisan, M (Crisan, Manuela); Vlase, G (Vlase, Gabriela); Plesu, N (Plesu, Nicoleta); Petric, M (Petric, Mihaela); Croitor, L (Croitor, Lilia); Kravtsov, V (Kravtsov, Victor); Chumakov, Y (Chumakov, Yurii); Bourosh, P (Bourosh, Paulina); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 134 **Issue:** 1 **Pages:** 343-352 **DOI:** 10.1007/s10973-018-7296-6 **Published Date:** 2018 OCT

135

Title: Ethylethanolammonium 4-nitrobenzoate (vol 134, pg 343, 2018)

Author(s): Crisan, M (Crisan, Manuela); Vlase, G (Vlase, Gabriela); Plesu, N (Plesu, Nicoleta); Petric, M (Petric,

Mihaela); Croitor, L (Croitor, Lilia); Kravtsov, V (Kravtsov, Victor); Chumakov, Y (Chumakov, Yurii); Bourosh, P (Bourosh, Paulina); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 134 **Issue:** 1 **Pages:** 353-353 **DOI:** 10.1007/s10973-018-7465-7 **Published Date:** 2018 OCT

136

Title: The kinetic study of the thermally induced degradation and an evaluation of the drug-excipient interactions performed for a new-generation bisphosphonate-risedronate

Author(s): Vlase, G (Vlase, Gabriela); Albu, P (Albu, Paul); Doca, SC (Doca, Sorin Cristian); Mateescu, M (Mateescu, Madalina); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 134 **Issue:** 1 **Pages:** 721-730 **DOI:** 10.1007/s10973-018-7216-9 **Published Date:** 2018 OCT

137

Title: Study of solid-state degradation of prochlorperazine and promethazine

Author(s): Ledeti, I (Ledeti, Ionut); Pusztai, AM (Pusztai, Agneta Maria); Muresan, CM (Muresan, Cezara Maria); Circioban, D (Circioban, Denisa); Vlase, G (Vlase, Gabriela); Murariu, M (Murariu, Marius); Suta, LM (Suta, Lenuta-Maria); Vlase, T (Vlase, Titus); Ledeti, A (Ledeti, Adriana); Suci, O (Suci, Oana); Buda, V (Buda, Valentina); Matusz, P (Matusz, Petru)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 134 **Issue:** 1 **Pages:** 731-740 **DOI:** 10.1007/s10973-018-7566-3 **Published Date:** 2018 OCT

138

Title: Thermal degradation, kinetic analysis and evaluation of biological activity on human melanoma for artemisinin

Author(s): Circioban, D (Circioban, Denisa); Ledeti, A (Ledeti, Adriana); Vlase, G (Vlase, Gabriela); Moaca, A (Moaca, Alina); Ledeti, I (Ledeti, Ionut); Farcas, C (Farcas, Claudia); Vlase, T (Vlase, Titus); Dehelean, C (Dehelean, Cristina)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 134 **Issue:** 1 **Pages:** 741-748 **DOI:** 10.1007/s10973-018-7497-z **Published Date:** 2018 OCT

139

Title: Kinetics of heterogeneous-induced degradation for artesunate and artemether

Author(s): Circioban, D (Circioban, Denisa); Ledeti, I (Ledeti, Ionut); Vlase, G (Vlase, Gabriela); Ledeti, A (Ledeti, Adriana); Axente, C (Axente, Carmen); Vlase, T (Vlase, Titus); Dehelean, C (Dehelean, Cristina)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 134 **Issue:** 1 **Pages:** 749-756 **DOI:** 10.1007/s10973-018-7257-0 **Published Date:** 2018 OCT

140

Title: Study of kinetic characteristics of 6-ethyl chenodeoxycholic acid and deoxycholic acid decomposition in non-isothermal conditions

Author(s): Ledeti, I (Ledeti, Ionut); Pusztai, AM (Pusztai, Agneta Maria); Muresan, CM (Muresan, Cezara Maria); Circioban, D (Circioban, Denisa); Vlase, G (Vlase, Gabriela); Axente, C (Axente, Carmen); Suta, LM (Suta, Lenuta-Maria); Vlase, T (Vlase, Titus); Matusz, P (Matusz, Petru); Ledeti, A (Ledeti, Adriana); Suci, O (Suci, Oana); Buda, V (Buda, Valentina); Murariu, M (Murariu, Marius)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 134 **Issue:** 1 **Pages:** 757-764 **DOI:** 10.1007/s10973-018-7660-6 **Published Date:** 2018 OCT

141

Title: Comparative instrumental investigations of some bile acids

Author(s): Ledeti, I (Ledeti, Ionut); Pusztai, AM (Pusztai, Agneta Maria); Murariu, M (Murariu, Marius); Olariu, S (Olariu, Sorin); Ivan, C (Ivan, Codrut); Circioban, D (Circioban, Denisa); Vlase, G (Vlase, Gabriela); Ledeti, A (Ledeti, Adriana); Vlase, T (Vlase, Titus); Matusz, P (Matusz, Petru)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 134 **Issue:** 2 **Pages:** 1345-1350 **DOI:** 10.1007/s10973-018-7163-5 **Published Date:** 2018 NOV

142

Title: Guest-host interactions and complex formation for artemisinin with cyclodextrins: instrumental analysis and evaluation of biological activity

Author(s): Circioban, D (Circioban, Denisa); Ledeti, A (Ledeti, Adriana); Vlase, G (Vlase, Gabriela); Coricovac, D (Coricovac, Dorina); Moaca, A (Moaca, Alina); Farcas, C (Farcas, Claudia); Vlase, T (Vlase, Titus); Ledeti, I (Ledeti, Ionut); Dehelean, C (Dehelean, Cristina)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 134 **Issue:** 2 **Pages:** 1375-1384 **DOI:** 10.1007/s10973-018-7411-8 **Published Date:** 2018 NOV

143

Title: Preformulation studies for atorvastatin calcium An instrumental approach

Author(s): Cristea, M (Cristea, Mihaela); Baul, B (Baul, Bianca); Ledeti, I (Ledeti, Ionut); Ledeti, A (Ledeti, Adriana); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Karolewicz, B (Karolewicz, Bozena); Stefanescu, O (Stefanescu,

Oana); Dragomirescu, AO (Dragomirescu, Anca Octavia); Muresan, C (Muresan, Cezara); Cipu, DS (Cipu, Dan-Simion); Velimirovici, D (Velimirovici, Dana); Stefanescu, M (Stefanescu, Mircea)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 138 **Issue:** 4 **Pages:** 2799-2806 **DOI:** 10.1007/s10973-019-08798-1 **Published Date** 2019 NOV

144

Title: Preparation and characterization of $\text{CuCr}_2\text{O}_4/\text{SiO}_2$ and $\text{Cu}_2\text{Cr}_2\text{O}_4/\text{SiO}_2$ nanocomposites obtained from carboxylate complex combinations

Author(s): Stefanescu, M (Stefanescu, Mircea); Muntean, C (Muntean, Cornelia); Berei, E (Berei, Eniko); Vlase, T (Vlase, Titus); Stefanescu, O (Stefanescu, Oana)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 138 **Issue:** 3 **Pages:** 1887-1894 **DOI:** 10.1007/s10973-019-08479-z **Published Date** 2019 NOV

145

Title: Thermoanalytical investigations of some ceramics dated from the Neolithic period, discovered at Oxenbrickel, Sanandrei, Romania

Author(s): Vlase, D (Vlase, Dan); Rogozea, O (Rogoea, Octavian); Mosoiu, C (Mosoiu, Codruta); Vlase, G (Vlase, Gabriela); Lazau, R (Lazau, Radu); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 138 **Issue:** 3 **Pages:** 2145-2157 **DOI:** 10.1007/s10973-019-08767-8 **PublishedDate:** 2019 NOV

146

Title: TG-DTA and FTIR analyses of roman and later historic mortars from Drobeta-Turnu Severin region

Author(s): Mosoiu, C (Mosoiu, Codruta); Vlase, D (Vlase, Dan); Vlase, G (Vlase, Gabriela); Lazau, R (Lazau, Radu); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 138 **Issue:** 3 **Pages:** 2159-2166 **DOI:** 10.1007/s10973-019-08508-x **Published Date:** 2019 NOV

147

Title: Synthesis, thermal behavior and FTIR study of some hydroxyapatite precursors doped with two metals

Author(s): Pahomi, A (Pahomi, Alexandru); Vlase, G (Vlase, Gabriela); Toma, A (Toma, Alexandra); Ilia, G (Ilia, Gheorghe); Turcus, V (Turcus, Violeta); Docu, N (Docu, Nicolae); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 138 **Issue:** 3 **Pages:** 2175-2183 **DOI:** 10.1007/s10973-019-08550-9 **Published Date:** 2019 NOV

148

Title: Study of thermally induced interactions between theobromine and various sweeteners

Author(s): Popescu, L (Popescu, Liviana); Mateescu, M (Mateescu, Madalina); Bajas, D (Bajas, Dorothea); Bugnariu, C (Bugnariu, Cristina); Vlase, G (Vlase, Gabriela); Jumanca, D (Jumanca, Daniela); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 138 **Issue:** 3 **Pages:** 2347-2356 **DOI:** 10.1007/s10973-019-08826-0 **Published Date:** 2019 NOV

149

Title: Optical and thermal properties of intelligent pH indicator films based on chitosan/PVA and a new xanthylum dye

Author(s): Pausescu, I (Pausescu, Iulia); Todea, A (Todea, Anamaria); Badea, V (Badea, Valentin); Peter, F (Peter, Francisc); Medeleanu, M (Medeleanu, Mihai); Ledeti, I (Ledeti, Ionut); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 141 **Issue:** 3 **Pages:** 999-1008 **DOI:** 10.1007/s10973-019-08911-4 **Early Access Date:** NOV 2019 **Published Date:** 2020 AUG

150

Title: Stability and Compatibility Studies of Levothyroxine Sodium in Solid Binary Systems-Instrumental Screening

Author(s): Ledeti, I (Ledeti, Ionut); Romanescu, M (Romanescu, Mirabela); Cîrcioban, D (Cîrcioban, Denisa); Ledeti, A (Ledeti, Adriana); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Suci, O (Suci, Oana); Murariu, M (Murariu, Marius); Olariu, S (Olariu, Sorin); Matusz, P (Matusz, Petru); Buda, V (Buda, Valentina); Piciu, D (Piciu, Doina)

Source: PHARMACEUTICS **Volume:** 12 **Issue:** 1 **Article Number:** 58 **DOI:** 10.3390/pharmaceutics12010058 **Published Date:** 2020 JAN

151

Title: Nano- ZrO_2 filled high-density polyethylene composites: Structure, thermal properties, and the influence γ -irradiation

Author(s): Nabiyev, AA (Nabiyev, A. A.); Olejniczak, A (Olejniczak, A.); Pawlukoj, A (Pawlukoj, A.); Balasoiu, M (Balasoiu, M.); Bunoiu, M (Bunoiu, M.); Maharramov, AM (Maharramov, A. M.); Nuriyev, MA (Nuriyev, M. A.); Ismayilova, RS (Ismayilova, R. S.); Azhibekov, AK (Azhibekov, A. K.); Kabyshev, AM (Kabyshev, A. M.); Ivankov, OI

(Ivankov, O. I.); Vlase, T (Vlase, T.); Linnik, DS (Linnik, D. S.); Shukurova, AA (Shukurova, A. A.); Ivanshina, OY (Ivanshina, O. Yu); Turchenko, VA (Turchenko, V. A.); Kuklin, AI (Kuklin, A., I)

Source: POLYMER DEGRADATION AND STABILITY **Volume:** 171 **Article Number:** 109042 **DOI:** 10.1016/j.polyimdegradstab.2019.109042 **Published Date:** 2020 JAN

152

Title: Solid State Stability and Kinetics of Degradation for Candesartan-Pure Compound and Pharmaceutical Formulation

Author(s): Buda, V (Buda, Valentina); Baul, B (Baul, Bianca); Andor, M (Andor, Minodora); Man, DE (Man, Dana Emilia); Ledeti, A (Ledeti, Adriana); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Danciu, C (Danciu, Corina); Matusz, P (Matusz, Petru); Peter, F (Peter, Francisc); Ledeti, I (Ledeti, Ionut)

Source: PHARMACEUTICS **Volume:** 12 **Issue:** 2 **Article Number:** 86 **DOI:** 10.3390/pharmaceutics12020086 **Published Date:** 2020 FEB

153

Title: Advances in new multicomponent crystal system: structure, thermal kinetic analysis, photoluminescent, and biological activity investigations

Author(s): Croitor, L (Croitor, Lilia); Crisan, M (Crisan, Manuela); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Bodnarescu, F (Bodnarescu, Florin); Sumalan, R (Sumalan, Radu); Petric, M (Petric, Mihaela); Siminel, AV (Siminel, Anatolii V.); Bourosh, P (Bourosh, Paulina)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 142 **Issue:** 1 **Pages:** 191-201 **DOI:** 10.1007/s10973-020-09524-y **Early Access Date:** MAR 2020 **Published Date:** 2020 OCT

154

Title: Solid-state stability and kinetic study of three glucocorticoid hormones: prednisolone, prednisone and cortisone

Author(s): Ledeti, I (Ledeti, Ionut); Bengescu, C (Bengescu, Cosmina); Circioban, D (Circioban, Denisa); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Tomoroga, C (Tomoroga, Carmen); Buda, V (Buda, Valentina); Ledeti, A (Ledeti, Adriana); Dragomirescu, A (Dragomirescu, Anca); Murariu, M (Murariu, Marius)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 141 **Issue:** 3 **Pages:** 1053-1065 **DOI:** 10.1007/s10973-020-09534-w **Early Access**

155

Title: The solvent effect in obtaining of acid-base multicomponent systems: thermal, structural and luminescence study

Author(s): Croitor, L (Croitor, Lilia); Petric, MF (Petric, Mihaela F.); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Siminel, AV (Siminel, Anatolii V.); Bourosh, PN (Bourosh, Paulina N.); Crisan, ME (Crisan, Manuela E.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 141 **Issue:** 3 **Pages:** 973-979 **DOI:** 10.1007/s10973-020-09633-8 **Early Access Date:** APR 2020 **Published Date:** 2020 AUG

156

Title: Thermogravimetric and kinetic study of new bis(iminophosphorane)ethane solvates

Author(s): Crisan, ME (Crisan, Manuela E.); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Croitor, L (Croitor, Lilia); Ilia, G (Ilia, Gheorghe); Bourosh, PN (Bourosh, Paulina N.); Kravtsov, VC (Kravtsov, Victor Ch); Petric, MF (Petric, Mihaela F.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 141 **Issue:** 3 **Pages:** 1009-1016 **DOI:** 10.1007/s10973-020-09628-5 **Early Access Date:** APR 2020 **Published Date:** 2020 AUG

157

Title: Preparation, physicochemical characterization and biological activity evaluation of some inclusion complexes containing artesunate

Author(s): Circioban, D (Circioban, Denisa); Ledeti, A (Ledeti, Adriana); Vlase, G (Vlase, Gabriela); Ledeti, I (Ledeti, Ionut); Vlase, T (Vlase, Titus); Varut, R (Varut, Renata); Pavel, IZ (Pavel, Ioana Zinuca); Dehelean, C (Dehelean, Cristina)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 141 **Issue:** 3 **Pages:** 1041-1051 **DOI:** 10.1007/s10973-020-09763-z **Early Access Date:** MAY 2020 **Published Date:** 2020 AUG

158

Title: Analytical investigations of adornment pieces from Susani (Timis County, Romania)

Author(s): Vlase, D (Vlase, Dan); Diaconescu, D (Diaconescu, Dragos); Bunoiu, V (Bunoiu, Victor); Bunoiu, M (Bunoiu, Madalin); Vlase, G (Vlase, Gabriela); Sfirloaga, P (Sfirloaga, Paula); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 141 **Issue:** 3 **Pages:** 1067-1074 **DOI:** 10.1007/s10973-020-09878-3 **Early Access Date:** JUN 2020 **Published Date:** 2020 AUG

159

Title: Thermal stability and kinetic degradation study for dihydroartemisinin

Author(s): Circioban, D (Circioban, Denisa); Ledeti, A (Ledeti, Adriana); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Dehelean, C (Dehelean, Cristina); Ledeti, I (Ledeti, Ionut)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 142 **Issue:** 5 **Pages:** 2131-2139 **DOI:** 10.1007/s10973-020-09902-6 **Early Access Date:** JUN 2020 **Published Date:** 2020 DEC

160

Title: Comparative analyses of Roman mortars belonging to different ancient periods from Drobeta-Turnu Severin region
Author(s): Vlase, D (Vlase, Dan); Codruta, M (Codruta, Mosoiu); Vlase, G (Vlase, Gabriela); Lazau, R (Lazau, Radu); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 141 **Issue:** 3 **Pages:** 991-998 **DOI:** 10.1007/s10973-020-09917-z **Early Access Date:**JUN 2020 **Published Date:** 2020 AUG

161

Title: Instrumental analysis and molecular modelling of inclusion complexes containing artesunate

Author(s): Circioban, D (Circioban, Denisa); Ledeti, I (Ledeti, Ionut); Suta, LM (Suta, Lenuta-Maria); Vlase, G (Vlase, Gabriela); Ledeti, A (Ledeti, Adriana); Vlase, T (Vlase, Titus); Varut, R (Varut, Renata); Sbarcea, L (Sbarcea, Laura); Trandafirescu, C (Trandafirescu, Cristina); Dehelean, C (Dehelean, Cristina)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 142 **Issue:** 5 **Pages:** 1951-1961 **DOI:** 10.1007/s10973-020-09975-3 **Early Access Date:**JUL 2020 **Published Date:** 2020 DEC

162

Title: Recent developments in the field of Thermal Analysis and Calorimetry in Romania and Republic of Moldova

Author(s): Rotaru, A (Rotaru, Andrei); Vlase, T (Vlase, Titus); Budrugeac, P (Budrugeac, Petru); Petuhov, O (Petuhov, Oleg)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 141 **Issue:** 3 **Pages:** 969-971 **DOI:** 10.1007/s10973-020-09938-8 **Published Date:** 2020 AUG

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Author(s): Rotaru, A (Rotaru, Andrei); Vlase, HT (Vlase, Habil. Titus); Budrugeac, P (Budrugeac, Petru); Petuhov, O (Petuhov, Oleg)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 141 **Issue:** 3 **Pages:** 970-970 **Published Date:** 2020 AUG

164

Title: Silver doping in lanthanum manganite materials: structural and electrical properties

Author(s): Sfirloaga, P (Sfirloaga, Paula); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Malaescu, I (Malaescu, Iosif); Marin, CN (Marin, Catalin Nicolae); Vlazan, P (Vlazan, Paulina)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 142 **Issue:** 5 **Pages:** 1817-1823 **DOI:** 10.1007/s10973-020-10095-1 **Early Access Date:**AUG 2020 **Published Date:** 2020 DEC

165

Title: Investigation of physico-chemical features of lanthanum manganite with nitrogen addition

Author(s): Sfirloaga, P (Sfirloaga, Paula); Sebarchievici, I (Sebarchievici, Iuliana); Taranu, B (Taranu, Bogdan); Poienar, M (Poienar, Maria); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Vlazan, P (Vlazan, Paulina)

Source: JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 843 **Article Number:** 155854 **DOI:** 10.1016/j.jallcom.2020.155854 **Published Date:** 2020 NOV 30

166

Title: Microbial cellulases immobilized in biopolymer/silica matrices used as enzyme release systems

Author(s): Dragomirescu, M (Dragomirescu, Monica); Vintila, T (Vintila, Teodor); Vlase, T (Vlase, Titus); Mihali, CV (Mihali, Ciprian-Valentin); Preda, G (Preda, Gabriela)

Source: ACTA BIOCHIMICA POLONICA **Volume:** 68 **Issue:** 4 **Pages:** 775-783 **DOI:** 10.18388/abp.2020_5694 **Published Date:** 2021

167

Title: STUDY OF THERMAL STABILITY OF SOME MAGNETORHEOLOGICAL ELASTOMERS

Author(s): Bunoiu, M (Bunoiu, M.); Vlase, G (Vlase, G.); Bica, I (Bica, I); Balasoiu, M (Balasoiu, M.); Pascu, G (Pascu, G.); Vlase, T (Vlase, T.)

Source: ROMANIAN REPORTS IN PHYSICS **Volume:** 73 **Issue:** 2 **Article Number:** 503 **Published Date:** 2021

168

Title: Formulation and Characterization of Alginate-Based Membranes for the Potential Transdermal Delivery of Methotrexate

Author(s): Bajas, D (Bajas, Dorothea); Vlase, G (Vlase, Gabriela); Mateescu, M (Mateescu, Madalina); Grad, OA (Grad, Oana Alexandra); Bunoiu, M (Bunoiu, Madalin); Vlase, T (Vlase, Titus); Avram, C (Avram, Claudiu)

Source: POLYMERS **Volume:** 13 **Issue:** 1 **Article Number:** 161 **DOI:** 10.3390/polym13010161 **Published Date:** 2021 JAN

169

Title: Organic salt versus salt cocrystal: thermal behavior, structural and photoluminescence investigations

Author(s): Crisan, M (Crisan, Manuela); Petric, M (Petric, Mihaela); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Siminel, AV (Siminel, Anatolii V.); Bourosh, PN (Bourosh, Paulina N.); Croitor, L (Croitor, Lilia)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 147 **Issue:** 2 **Pages:** 1203-1213 **DOI:** 10.1007/s10973-020-10438-y **Early Access Date:**JAN 2021 **Published Date:** 2022 JAN

170

Title: Precious metals recovery from aqueous solutions using a new adsorbent material

Author(s): Grad, O (Grad, Oana); Ciopec, M (Ciopec, Mihaela); Negrea, A (Negrea, Adina); Duteanu, N (Duteanu, Narcis); Vlase, G (Vlase, Gabriela); Negrea, P (Negrea, Petru); Dumitrescu, C (Dumitrescu, Camelia); Vlase, T (Vlase,

Titus); Voda, R (Voda, Raluca)

Source: SCIENTIFIC REPORTS **Volume:** 11 **Issue:** 1 **Article Number:** 2016 **DOI:** 10.1038/s41598-021-81680-z **Published Date:** 2021 JAN 21

171

Title: Comparative Study Regarding Thermal Behaviour of Mixtures Based on Hydroxyapatite and Methacrylate for Dental Use

Author(s): Mateescu, M (Mateescu, Madalina); Vlase, G (Vlase, Gabriela); Jumanca, D (Jumanca, Daniela); Galuscan, A (Galuscan, Atena); Avram, C (Avram, Claudiu); Vlase, T (Vlase, Titus)

Source: MATERIALE PLASTICE **Volume:** 58 **Issue:** 1 **Pages:** 1-10 **DOI:** 10.37358/MP.21.1.5439 **Published Date:** 2021 MAR

172

Title: Preliminary Study for the Preparation of Transmucosal or Transdermal Patches with Acyclovir and Lidocaine

Author(s): Marioane, CA (Marioane, Cristina-Adela); Bunoiu, M (Bunoiu, Madalin); Mateescu, M (Mateescu, Madalina); Sfirloaga, P (Sfirloaga, Paula); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus)

Source: POLYMERS **Volume:** 13 **Issue:** 20 **Article Number:** 3596 **DOI:** 10.3390/polym13203596 **Published Date:** 2021 OCT

173

Title: Effect of substituents on the crystal structure and thermal stability of N-phosphorylated iminophosphoranes

Author(s): Croitor, L (Croitor, Lilia); Petric, M (Petric, Mihaela); Crisan, L (Crisan, Luminita); Bourosh, PN (Bourosh, Paulina N.); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Crisan, M (Crisan, Manuela)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 147 **Issue:** 9 **Pages:** 5423-5435 **DOI:** 10.1007/s10973-022-11201-1 **Early Access Date:** FEB 2022 **Published Date:** 2022 MAY 15

174

Title: Relationship between crystal structure and thermal properties of polymorphic system methylethanolammonium 2-chloro-4-nitrobenzoate

Author(s): Croitor, L (Croitor, Lilia); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Bourosh, PN (Bourosh, Paulina N.); Chumakov, YM (Chumakov, Yurii M.); Crisan, M (Crisan, Manuela)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 147 **Issue:** 9 **Pages:** 5437-5449 **DOI:** 10.1007/s10973-022-11263-1 **Early Access Date:** FEB 2022 **Published Date:** 2022 MAY 15

175

Title: Characteristics of late Neolithic pottery of the Zau culture: analysis of pottery samples from Iernut-Site II (Mures County, Romania)

Author(s): Vlase, D (Vlase, Dan); Vlase, T (Vlase, Titus); Bunoiu, M (Bunoiu, Madalin); Sfirloaga, P (Sfirloaga, Paula); Ursut, AG (Ursut, Alexandra-Gabriela); Vlase, G (Vlase, Gabriela)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 147 **Issue:** 9 **Pages:** 5351-5363 **DOI:** 10.1007/s10973-022-11261-3 **Early Access Date:** MAR 2022 **Published Date:** 2022 MAY 15

176

Title: Comparative thermal and hyphenated analysis of different mortars samples from Deva region

Author(s): Vlase, G (Vlase, Gabriela); Vlase, D (Vlase, Dan); Ferencz, IV (Ferencz, Iosif Vasile); Sfirloaga, P (Sfirloaga, Paula); Micle, D (Micle, Dorel); Manea, F (Manea, Florin); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 147 **Issue:** 9 **Pages:** 5365-5376 **DOI:** 10.1007/s10973-022-11262-2 **Early Access Date:** MAR 2022 **Published Date:** 2022 MAY 15

177

Title: Preliminary Study of κ -Carrageenan Based Membranes for Anti-Inflammatory Drug Delivery

Author(s): Okolisan, D (Okolisan, Dorinel); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Avram, C (Avram, Claudiu)

Source: POLYMERS **Volume:** 14 **Issue:** 20 **Article Number:** 4275 **DOI:** 10.3390/polym14204275 **Published Date:** 2022 OCT

178

Title: FDS Results for Selecting the Right Scenario in the Case of a Building Fire: A Case Study

Author(s): Manea, F (Manea, Florin); Ghiciei, E (Ghiciei, Emilian); Suvar, MC (Suvar, Marius Cornel); Prodan, M (Prodan, Maria); Vlasin, NI (Vlasin, Nicolae Ioan); Suvar, NS (Suvar, Niculina Sonia); Vlase, T (Vlase, Titus)

Source: FIRE-SWITZERLAND **Volume:** 5 **Issue:** 6 **Article Number:** 198 **DOI:** 10.3390/fire5060198 **Published Date:** 2022 DEC

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Title: FTIR and thermal studies of medicated jellies with topiramate

Author(s): Budiul, MM (Budiul, Mihaela Maria); Marioane, CA (Marioane, Cristina Adela); Bradu, IA (Bradu, Ionela-Amalia); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 148 **Issue:** 10 **Pages:** 4589-4600 **DOI:** 10.1007/s10973-022-11882-8 **Early Access Date:** DEC 2022 **Published Date:** 2023 MAY

180

Title: Instrumental investigations of promestriene: first report regarding the solid-state characterization and compatibility with pharmaceutical excipients

Author(s): Bengescu, C (Bengescu, Cosmina); Ledeti, A (Ledeti, Adriana); Olariu, T (Olariu, Tudor); Circioban, D (Circioban, Denisa); Muntean, C (Muntean, Cornelia); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Tomoroga, C (Tomoroga, Carmen); Dragomirescu, AO (Dragomirescu, Anca Octavia); Dascalu, D (Dascalu, Daniela); Suta, LM (Suta, Lenuta-Maria); Ledeti, I (Ledeti, Ionut); Murariu, M (Murariu, Marius)
Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 148 **Issue:** 10 **Pages:** 4641-4649 **DOI:** 10.1007/s10973-023-11942-7 **Early Access Date:**JAN 2023 **Published Date:** 2023 MAY

181

Title: Preliminary study for preparation and characterization of medicated jelly based on Ibuprofen or Ambroxol

Author(s): Mateescu, M (Mateescu, Madalina); Vlase, G (Vlase, Gabriela); Budiul, MM (Budiul, Mihaela Maria); Cernusca, BD (Cernusca, Bianca Denisa); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 148 **Issue:** 10 **Pages:** 4601-4614 **DOI:** 10.1007/s10973-023-12052-0 **Early Access Date:**MAR 2023 **Published Date:** 2023 MAY

182

Title: The in-depth study of Romanian prehistoric ceramics: Late Neolithic/Eneolithic pottery and clay materials from the Foeni Tell-Orthodox cemetery in Timis county

Author(s): Vlase, D (Vlase, Dan); Vlase, G (Vlase, Gabriela); Ursut, G (Ursut, Gabriela); Sfirloaga, P (Sfirloaga, Paula); Manea, F (Manea, Florin); Budiul, M (Budiul, Mihaela); Rotaru, A (Rotaru, Andrei); Vlase, T (Vlase, Titus); Creanga, I (Creanga, Ion)

Source: CERAMICS INTERNATIONAL **Volume:** 49 **Issue:** 9 **Pages:** 14941-14956 **DOI:** 10.1016/j.ceramint.2022.12.120 **Early Access Date:** MAR 2023 **Published Date:** 2023 MAY 1 **Part:** B

183

Title: Zn(II) and Cd(II) Metal-Organic Frameworks with Azine-Functionalized Pores: Crystal Structures, Photoluminescence, Solvent Exchange, and Molecular Simulations of Carbon Dioxide Binding Sites

Author(s): Lozovan, V (Lozovan, Vasile); Kravtsov, VC (Kravtsov, Victor Ch.); Chumakov, YM (Chumakov, Yuri M.); Costrucova, NV (V. Costrucova, Natalia); Siminel, N (Siminel, Nikita); Petuhov, O (Petuhov, Oleg); Vlase, T (Vlase, Titus); Vlase, G (Vlase, Gabriela); Barba, A (Barba, Alic); Fonari, MS (Fonari, Marina S.)

Source: CRYSTAL GROWTH & DESIGN **Volume:** 23 **Issue:** 5 **Pages:** 3171-3185 **DOI:** 10.1021/acs.cgd.2c01345 **Early Access Date:** APR 2023 **Published Date:** 2023 MAY 3

184

Title: Stability evaluation and kinetic study for the atypical antidepressant opipramol

Author(s): Circioban, D (Circioban, Denisa); Ledeti, I (Ledeti, Ionut); Vlase, T (Vlase, Titus); Rusu, G (Rusu, Gerlinde); Ledeti, A (Ledeti, Adriana); Vlase, G (Vlase, Gabriela)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 148 **Issue:** 23 **Pages:** 13121-13131 **DOI:** 10.1007/s10973-023-12249-3 **Early Access Date:** MAY 2023 **Published Date:** 2023 DEC

185

Title: Thermal Stability and Kinetics of Degradation of Moxonidine as Pure Ingredient vs. Pharmaceutical Formulation

Author(s): Baul, B (Baul, Bianca); Ledeti, A (Ledeti, Adriana); Circioban, D (Circioban, Denisa); Ridichie, A (Ridichie, Amalia); Vlase, T (Vlase, Titus); Vlase, G (Vlase, Gabriela); Peter, F (Peter, Francisc); Ledeti, I (Ledeti, Ionut)

Source: PROCESSES **Volume:** 11 **Issue:** 6 **Article Number:** 1738 **DOI:** 10.3390/pr11061738 **Published Date:** 2023 JUN

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Title: The Influence of an Isocyanate Structure on a Polyurethane Delivery System for 2'-Deoxycytidine-5'-monophosphate

Author(s): Borcan, F (Borcan, Florin); Vlase, T (Vlase, Titus); Vlase, G (Vlase, Gabriela); Popescu, R (Popescu, Roxana); Soica, CM (Soica, Codruta M.)

Source: JOURNAL OF FUNCTIONAL BIOMATERIALS **Volume:** 14 **Issue:** 10 **Article Number:** 526 **DOI:** 10.3390/jfb14100526 **Published Date:** 2023 OCT

187

Title: Wild-Grown Romanian *Helleborus purpurascens* Approach to Novel Chitosan Phyto-Nanocarriers-Metabolite Profile and Antioxidant Properties

Author(s): Segneanu, AE (Segneanu, Adina-Elena); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Sicoe, CA (Sicoe, Crina Andreea); Ciocalteu, MV (Ciocalteu, Maria Viorica); Herea, DD (Herea, Dumitru Daniel); Ghirlea, OF (Ghirlea, Ovidiu-Florin); Grozescu, I (Grozescu, Ioan); Nanescu, V (Nanescu, Valentin)
Source: PLANTS-BASEL **Volume:** 12 **Issue:** 19 **Article Number:** 3479 **DOI:** 10.3390/plants12193479 **Published Date:** 2023 OCT

188

Title: Thin polysaccharide films as carriers for local anesthetic drugs

Author(s): Okolisan, D (Okolisan, Dorinel); Vlase, T (Vlase, Titus); Vlase, G (Vlase, Gabriela); Bradu, IA (Bradu, Ionela-Amalia); Avram, C (Avram, Claudiu)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 149 **Issue:** 20 **Pages:** 11455-11470 **DOI:** 10.1007/s10973-023-12635-x **Early Access Date:** OCT 2023 **Published Date:** 2024 OCT

189

Title: Synthesis and Characterization of Polymer-Based Membranes for Methotrexate Drug Delivery

Author(s): Bradu, IA (Bradu, Ionela-Amalia); Vlase, T (Vlase, Titus); Bunoiu, M (Bunoiu, Madalin); Gradinaru, M (Gradinaru, Madalina); Pahomi, A (Pahomi, Alexandru); Bajas, D (Bajas, Dorothea); Budiul, MM (Budiul, Mihaela Maria); Vlase, G (Vlase, Gabriela)

Source: POLYMERS **Volume:** 15 **Issue:** 21 **Article Number:** 4325 **DOI:** 10.3390/polym15214325 **Published Date:** 2023 NOV

190

Title: Thermoanalytical and spectroscopic studies on medicated jellies with perphenazine

Author(s): Budiul, MM (Budiul, Mihaela M.); Mateescu, M (Mateescu, Madalina); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Bocanici, S (Bocanici, Simona); Bradu, IA (Bradu, Ionela A.)

Source: JOURNAL OF THE SERBIAN CHEMICAL SOCIETY **Volume:** 89 **Issue:** 4 **Pages:** 521-537 **DOI:** 10.2298/JSC230402077B **Published Date:** 2024

191

Title: Dental Biopolymer Composites with Antibiotics, Bisphosphonate, and Hydroxyapatite for Possible Use in Bone Tissue Regeneration

Author(s): Budiul, MM (Budiul, Mihaela Maria); Vlase, G (Vlase, Gabriela); Negru, D (Negru, Daniel); Okolisan, D (Okolisan, Dorinel); Bradu, IA (Bradu, Ionela-Amalia); Tasala, A (Tasala, Alexandra); Pahomi, A (Pahomi, Alexandru); Vlase, T (Vlase, Titus); Jumanca, D (Jumanca, Daniela); Galuscan, A (Galuscan, Atena); Sfirloaga, P (Sfirloaga, Paula); Caraba, N (Caraba, Nicoleta); Popescu, R (Popescu, Roxana); Matichescu, A (Matichescu, Anamaria)

Source: JOURNAL OF CHEMISTRY **Volume:** 2024 **Article Number:** 6614044 **DOI:** 10.1155/2024/6614044 **Published Date:** 2024 JAN 22

192

Title: Revealing the Impact of Ga and Y Doping on Thermal and Electrical Behavior of LaMnO₃ Ceramic Materials

Author(s): Vlazan, P (Vlazan, Paulina); Marin, CN (Marin, Catalin Nicolae); Malaescu, I (Malaescu, Iosif); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Poienar, M (Poienar, Maria); Sfirloaga, P (Sfirloaga, Paula)

Source: APPLIED SCIENCES-BASEL **Volume:** 14 **Issue:** 4 **Article Number:** 1546 **DOI:** 10.3390/app14041546 **Published Date:** 2024 FEB

193

Title: An Innovative Approach to a Potential Neuroprotective *Sideritis scardica*-Clinoptilolite Phyto-Nanocarrier: In Vitro Investigation and Evaluation

Author(s): Segneanu, AE (Segneanu, Adina-Elena); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Bitu, A (Bitu, Andrei); Bejenaru, C (Bejenaru, Cornelia); Buema, G (Buema, Gabriela); Bejenaru, LE (Bejenaru, Ludovic Everard); Dumitru, A (Dumitru, Andrei); Boia, ER (Boia, Eugen Radu)

Source: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES **Volume:** 25 **Issue:** 3 **Article Number:** 1712 **DOI:** 10.3390/ijms25031712 **Published Date:** 2024 FEB

194

Title: Romanian Wild-Growing *Chelidonium majus*-An Emerging Approach to a Potential Antimicrobial Engineering Carrier System Based on AuNPs: In Vitro Investigation and Evaluation

Author(s): Segneanu, AE (Segneanu, Adina-Elena); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Ciocalteu, MV (Ciocalteu, Maria-Viorica); Bejenaru, C (Bejenaru, Cornelia); Buema, G (Buema, Gabriela); Bejenaru, LE (Bejenaru, Ludovic Everard); Boia, ER (Boia, Eugen Radu); Dumitru, A (Dumitru, Andrei); Boia, S (Boia, Simina)

Source: PLANTS-BASEL **Volume:** 13 **Issue:** 5 **Article Number:** 734 **DOI:** 10.3390/plants13050734 **Published Date:** 2024 MAR

195

Title: Pharmaceutical Applications of Biomass Polymers: Review of Current Research and Perspectives

Author(s): Bejenaru, C (Bejenaru, Cornelia); Radu, A (Radu, Antonia); Segneanu, AE (Segneanu, Adina-Elena); Bitu, A (Bitu, Andrei); Ciocilteu, MV (Ciocilteu, Maria Viorica); Mogosanu, GD (Mogosanu, George Dan); Bradu, IA (Bradu, Ionela Amalia); Vlase, T (Vlase, Titus); Vlase, G (Vlase, Gabriela); Bejenaru, LE (Bejenaru, Ludovic Everard)

Source: POLYMERS **Volume:** 16 **Issue:** 9 **Article Number:** 1182 **DOI:** 10.3390/polym16091182 **Published Date:** 2024 MAY

196

Title: Compatibility study of mirtazapine with several excipients used in pharmaceutical dosage forms employing thermal and non-thermal methods

Author(s): Circioban, D (Circioban, Denisa); Ledeti, A (Ledeti, Adriana); Ridichie, A (Ridichie, Amalia); Vlase, T (Vlase, Titus); Ledeti, I (Ledeti, Ionut); Bradu, IA (Bradu, Ionela-Amalia); Pahomi, A (Pahomi, Alexandru); Sbarcea, L (Sbarcea, Laura); Vlase, G (Vlase, Gabriela)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **DOI:** 10.1007/s10973-024-13181-w **Early Access Date:** MAY 2024 **Published Date:** 2024 MAY 4

197

Title: Biopolymer patches for the simultaneous incorporation of local anesthetic and anti-inflammatory drugs

Author(s): Okolisan, D (Okolisan, Dorinel); Vlase, T (Vlase, Titus); Vlase, G (Vlase, Gabriela); Bradu, IA (Bradu, Ionela-Amalia); Pahomi, A (Pahomi, Alexandru); Matichescu, A (Matichescu, Anamaria)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **DOI:** 10.1007/s10973-024-13225-1 **Early Access Date:** JUN 2024
Published Date: 2024 JUN 1

198

Title: Microscopic and Color Changes in Direct Dental Restorative Composite Resins upon Immersion in Beverages: Characterization by Scanning Electron Microscopy (SEM) and Energy-Dispersive X-ray Spectroscopy (EDS)

Author(s): Hajdu, AI (Hajdu, Adrian Ioan); Dumitrescu, R (Dumitrescu, Ramona); Balean, O (Balean, Octavia); Jumanca, D (Jumanca, Daniela); Sava-Rosianu, R (Sava-Rosianu, Ruxandra); Floare, L (Floare, Lucian); Bolchis, V (Bolchis, Vanessa); Vlase, T (Vlase, Titus); Galuscan, A (Galuscan, Atena)

Source: BIOMEDICINES **Volume:** 12 **Issue:** 8 **Article Number:** 1740 **DOI:** 10.3390/biomedicines12081740 **Published Date:** 2024 AUG

199

Title: Study of thermally induced interactions between active substances from the sartans class and various excipients

Author(s): Cernusca, BD (Cernusca, Bianca-Denisa); Bradu, IA (Bradu, Ionela-Amalia); Pahomi, A (Pahomi, Alexandru); Okolisan, D (Okolisan, Dorinel); Budiul, MM (Budiul, Mihaela Maria); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **DOI:** 10.1007/s10973-024-13477-x **Early Access Date:** AUG 2024
Published Date: 2024 AUG 6

200

Title: Thermal stability, preformulation, and kinetic degradation studies for gestrinone

Author(s): Ridichie, A (Ridichie, Amalia); Bengescu, C (Bengescu, Cosmina); Ledeti, A (Ledeti, Adriana); Rusu, G (Rusu, Gerlinde); Bertici, R (Bertici, Razvan); Vlase, T (Vlase, Titus); Vlase, G (Vlase, Gabriela); Peter, F (Peter, Francisc); Ledeti, I (Ledeti, Ionut); Radulescu, M (Radulescu, Matilda)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **DOI:** 10.1007/s10973-024-13520-x **Early Access Date:** AUG 2024
Published Date: 2024 AUG 7

201

Title: Insight into Romanian Wild-Grown *Heracleum sphondylium*: Development of a New Phytocarrier Based on Silver Nanoparticles with Antioxidant, Antimicrobial and Cytotoxicity Potential

Author(s): Segneanu, AE (Segneanu, Adina-Elena); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Bejenaru, LE (Bejenaru, Ludovic Everard); Mogosanu, GD (Mogosanu, George Dan); Buema, G (Buema, Gabriela); Herea, DD (Herea, Dumitru-Daniel); Ciocilteu, MV (Ciocilteu, Maria Viorica); Bejenaru, C (Bejenaru, Cornelia)

Source: ANTIBIOTICS-BASEL **Volume:** 13 **Issue:** 9 **Article Number:** 911 **DOI:** 10.3390/antibiotics13090911 **Published Date:** 2024 SEP

202

Title: Novel Nanocomposites and Biopolymer-Based Nanocomposites for Hexavalent Chromium Removal from Aqueous Media

Author(s): Segneanu, AE (Segneanu, Adina-Elena); Bradu, IA (Bradu, Ionela Amalia); Calinescu, MS (Calinescu Bocanici, Mihaela Simona); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Herea, DD (Herea, Daniel-Dumitru); Buema, G (Buema, Gabriela); Mihailescu, M (Mihailescu, Maria); Grozescu, I (Grozescu, Ioan)

Source: POLYMERS **Volume:** 16 **Issue:** 24 **Article Number:** 3469 **DOI:** 10.3390/polym16243469 **Published Date:** 2024 DEC

203

Title: Thermooxidation of Four Sartans: Kinetic Analysis Based on Thermo-Gravimetric Data

Author(s): Ledeti, A (Ledeti, Adriana); Baul, B (Baul, Bianca); Ridichie, A (Ridichie, Amalia); Ivan, D (Ivan, Denisa); Vlase, T (Vlase, Titus); Tomoroga, C (Tomoroga, Carmen); Dragomirescu, A (Dragomirescu, Anca); Vlase, G (Vlase, Gabriela); Bertici, RA (Bertici, Razvan Adrian); Man, DE (Man, Dana Emilia); Ledeti, I (Ledeti, Ionut)

Source: MOLECULES **Volume:** 29 **Issue:** 23 **Article Number:** 5527 **DOI:** 10.3390/molecules29235527 **Published Date:** 2024 DEC

204

Title: Thermoresponsive Gels with Rosemary Essential Oil: A Novel Topical Carrier for Antimicrobial Therapy and Drug Delivery Applications

Author(s): Bejenaru, LE (Bejenaru, Ludovic Everard); Segneanu, AE (Segneanu, Adina-Elena); Bejenaru, C (Bejenaru, Cornelia); Bradu, IA (Bradu, Ionela Amalia); Vlase, T (Vlase, Titus); Herea, DD (Herea, Dumitru-Daniel); Varut, MC (Varut, Marius Ciprian); Balasoiu, RM (Balasoiu, Roxana Maria); Bitu, A (Bitu, Andrei); Radu, A (Radu, Antonia); Mogosanu, GD (Mogosanu, George Dan); Ciocilteu, MV (Ciocilteu, Maria Viorica)

Source: GELS **Volume:** 11 **Issue:** 1 **Article Number:** 61 **DOI:** 10.3390/gels11010061 **Published Date:** 2025 JAN

205

Title: Oxidative Thermolysis of Sulfobutyl-Ether-Beta-Cyclodextrin Sodium Salt: A Kinetic Study

Author(s): Ledeti, I (Ledeti, Ionut); Temereanca, C (Temereanca, Claudia); Ridichie, A (Ridichie, Amalia); Ledeti, A (Ledeti, Adriana); Ivan, DL (Ivan, Denisa Laura); Vlase, G (Vlase, Gabriela); Vlase, T (Vlase, Titus); Tomoroga, C (Tomoroga, Carmen); Sbarcea, L (Sbarcea, Laura); Suci, O (Suci, Oana)

B. Articole BDI

1. Vlase, T., Jurca Gabriela and Doca, N., "Study of the support effect by non-isothermal kinetics. I. Decomposition of ammonium metavanadate supported on carborundum", *Annals of West Univ. of Timișoara*, 6 (1997), 119-128
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18. Muntean Cornelia, Vlase, T., Vlase, G., Negrea P., "Comparison between isothermal and non- isothermal decomposition of some nitrates-phosphates fertilizers", *Annals of West University of Timișoara, ser. chem*, 12(3) (2003) 331 – 338
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22. Iolanda Tolan, Gabriela Vlase, Iulia Ceban, T. Cianga Carmen Alexandra Grigorie, "Study of thermally induced interactions between benzoic acid and the main compounds of wheat flour" *Annals of West University of Timișoara, ser. chem*, 22(3,4) (2013) 1- 10.
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iii) Cărți/Capitole de cărți

1. A. Chiriac, T. Vlase, D. Cîrcioban: "Culegere de exerciții și probleme de cinetică chimică", Editura "MIRTON", Timișoara 1994,(143pagini)

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10. **Titus Vlase**, Gabriela Vlase, Nicolae Doca, “Poluanți Anorganici: Surse, Analize, Diminuare” Ed. Mirton Timișoara 2012, ISBN: 978-973-52-1220-9 (150 pag.)

11. Analiza termica-Fundamente si aplicatii- Analiza cinetica a transformarilor heterogene, E. Segal, P. Budrugaec, O. Carp, N. Doca, C. Popescu, T. Vlase, Ed. Acad. Rom., Bucuresti 2013 – Capitol 7: Metoda NPK (T.Vlase, N. Doca)

iv) Lista GRANT-uri

1.Contract C.N.C.Ș.U. nr 4012/1995 (4.3.9/2210.09/1995) Tema B2: “Transferul selectiv de energie între faza gazoasă și cea solidă: aplicații la cataliza eterogenă și încălzirea cu microunde”, membru T.Vlase (Director proiect Prof.dr.ing.N.Doca).

2. Contract C.N.C.Ș.U. nr 5012/1996 (Tema 3/17.1/1.187/1996): “Transferul selectiv de energie între faza

gazoasă și cea solidă: aplicații la cataliza eterogenă și încălzirea cu microunde”, membru T.Vlase (Director proiect Prof.dr.ing.N.Doca).

3. Contract C.N.C.Ș.U. nr 7012/1997 (15/1070) Tema B2: “Transferul selectiv de energie între faza gazoasă și cea solidă: aplicații la cataliza eterogenă și încălzirea cu microunde”, membru T.Vlase (Director proiect Prof.dr.ing.N.Doca).

4. Contract C.N.C.Ș.U. 21/1998 4/28, cu titlul: “Transferul selectiv de energie între faza gazoasă și cea solidă: aplicații la comportarea catalitică și la efectele de suport ale heteropoliacizilor”, membru T.Vlase (Director proiect Prof.dr.ing.N.Doca).

5. Contract C.N.C.S.Î.S 1999, cod 95, comisia 1, cu titlul: “Transferul selectiv de energie între faza gazoasă și cea solidă: aplicații la efectele de suport și la descompunerea unor precursori complecși.”, membru T.Vlase (Director proiect Prof.dr.ing.N.Doca).

6. Contract 3525/2000 tema 12 cod 835 ”Transferul energetic selectiv interfazic; Aplicații privind efectul de suport și la descompunerea unor precursori”, membru T.Vlase (Director proiect Prof.dr.ing.N.Doca).

7. Contract /2001 tema 16 cod 372 „Cinetica de neechilibru. Studiul transferului energetic selectiv”, membru T.Vlase (Director proiect Prof. dr.ing . N.Doca).

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9. Contract 6190/1/2001 GRANT tip T ANSTI, tema A1: Efectul de compensare și efectul de suport la descompunerea unor precursori, responsabil GRANT Vlase Titus.

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