

## Lista de lucrări ale candidatului (Andrei ROTARU)

Nr.	a) Lista celor 10 lucrări considerate a fi cele mai relevante <i>Titlul, Autorii, Jurnalul, Volumul, Paginile, Anul.</i>	Factor impact (anul)
1.	The electro-mechanical control of element NiTi shape memory alloy strip while bending, based on thermal analysis evidence; Sonia Degeratu, G.E. Subțirelu, <b>Andrei Rotaru*</b> , Nicu G. Bizdoacă, Petre Rotaru <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143(6), 3805–3815, 2021	4,755 (2021)
2.	Local Structure and Order–Disorder Transitions in “Empty” Ferroelectric Tetragonal Tungsten Bronzes; Jason A. McNulty, David Pesquera, Jonathan Gardner, <b>Andrei Rotaru</b> , Helen Y. Playford, Matthew G. Tucker, Michael A. Carpenter, Finlay D. Morrison <i>Chemistry of Materials</i> , 2020, 32 (19), 8492–8501	9,811 (2020)
3.	Orthorhombic YBCO-123 ceramic oxide superconductor: structural, resistive and thermal properties; Ana Harabor, Petre Rotaru, Novac Adrian Harabor, Petr Nozar, <b>Andrei Rotaru*</b> ; <i>Ceramics International</i> , 45 (2) Part B, 2899-2907, 2019	3,830 (2019)
4.	Discriminating within the kinetic models for heterogeneous processes of materials by employing a combined procedure under TKS-SP 2.0 software; <b>Andrei Rotaru*</b> ; <i>Journal of Thermal Analysis and Calorimetry</i> , 126 (2), 919-932, 2016	1,953 (2016)
5.	Elastic and anelastic relaxations accompanying relaxor dielectric behaviour of Ba <sub>6</sub> GaNb <sub>9</sub> O <sub>30</sub> tetragonal tungsten bronze from resonant ultrasound spectroscopy; <b>Andrei Rotaru*</b> , Jason A. Schiemer, Michael A. Carpenter; <i>Journal of Thermal Analysis and Calorimetry</i> , 124 (2), 571-583, 2016	1,953 (2016)
6.	Vogel-Fulcher analysis of relaxor dielectrics with the tetragonal tungsten bronze structure Ba <sub>6</sub> MNb <sub>9</sub> O <sub>30</sub> (M = Ga, Sc, In); <b>Andrei Rotaru</b> , Finlay D. Morrison; <i>Journal of Thermal Analysis and Calorimetry</i> , 120 (2), 1249-1259, 2015	1,781 (2015)
7.	Effect of local A-site strain on dipole stability in A <sub>6</sub> GaNb <sub>9</sub> O <sub>30</sub> (A = Ba, Sr, Ca) tetragonal tungsten bronze relaxor dielectrics. Andrew J. Miller, <b>Andrei Rotaru</b> , Donna C. Arnold, Finlay D. Morrison; <i>Dalton Transactions</i> , 44, 10738-10745, 2015	4,177 (2015)
8.	Origin and stability of dipolar response in a family of tetragonal tungsten bronze relaxors; <b>Andrei Rotaru</b> , Donna C. Arnold, Aziz Daoud-Aladine, Finlay D. Morrison; <i>Physical Review B</i> , 83, 18, 184302, 2011	3,691 (2011)
9.	Matrix assisted pulsed laser evaporation of zinc benzoate for ZnO thin films and non-isothermal decomposition kinetics; <b>Andrei Rotaru*</b> , Catalin Constantinescu, Anca Mândruleanu, Petre Rotaru, Antoniu Moldovan, Katarina Györyová, Maria Dinescu, Vladimir Balek; <i>Thermochimica Acta</i> , 498, 1-2, 81-91, 2010	1,908 (2010)
10.	Computational thermal and kinetic analysis. Complete standard procedure to evaluate the kinetic triplet from non-isothermal data; <b>Andrei Rotaru*</b> , Mihai Goșa; <i>Journal of Thermal Analysis and Calorimetry</i> , 97, 2, 421-426, 2009	1,587 (2009)

Nr.	<p align="center"><b>b) Lista tezelor de doctorat și de abilitare</b>  <b>Domeniul Tezei, Titlul, Autorul, Universitatea, Locația,</b>  <b>Ordinul, Data emiterii rodinului, Diploma, Data emiterii diplomei</b></p>
1.	<p>Teza de doctorat în domeniul: Chimie  Titlul: <i>“Novel polar dielectrics with the tetragonal tungsten bronze structure”</i>.  <i>“Noi dielectrici polari noi cu structură de tungsten bronz tetragonal”</i>.  Autorul: Andrei ROTARU  <b>University of St Andrews</b>, School of Chemistry, St Andrews, Regatul Unit al Marii Britani și Irlandei de Nord  Diploma: Nr. 000029922.  Data emiterii diplomei: 29.11.2013  Atestatul (Ministerul Educației Naționale din România): Seria M, Nr. 0001135  Data emiterii atestatului: 17.12.2013</p>
2.	<p>Teza de doctorat în domeniul: Fizică  Titlul: <i>“Thermally induced functionalization of thin films of molecular materials obtained by laser techniques”</i>. <i>“Funcționalizarea indusă termic a filmelor subțiri de materiale moleculare obținute prin tehnici laser”</i>.  Autorul: Andrei ROTARU  <b>Universitatea din Craiova</b>, Facultatea de Științe, Craiova, România  Ordinul ministrului Educației Naționale și Cercetării Științifice Nr. 5895  Data emiterii ordinului: 28.11.2016  Diploma: Seria J, Nr. 0021531  Data emiterii diplomei: 30.01.2017</p>
3.	<p>Teza de doctorat în domeniul: Inginerie Mecanică  Titlul: <i>“Comportarea termică a unor combustibili solizi și cinetica neizotermă a descompunerii și arderii lor”</i>.  Autorul: Andrei ROTARU  <b>Universitatea POLITEHNICA din București</b>, Facultatea de Inginerie Mecanică și Mecatronică, București, România  Ordinul ministrului Educației, Cercetării, Tineretului și Sportului Nr. 3818  Data emiterii ordinului: 26.04.2012  Diploma: Seria H, Nr. 0000660  Data emiterii diplomei: 16.05.2012</p>
4.	<p>Teza de abilitare în domeniul: Chimie  Titlul: <i>“Thermal and physical-chemical properties of functional compounds and materials”</i>.  <i>“Proprietăți termice și fizico-chimice ale compuşilor și materialelor funcționale”</i>.  Autorul: Andrei ROTARU  <b>Universitatea din Craiova</b>, Craiova, România  Ordinul Ministrului Educației privind acordarea atestatului de abilitare: Nr. 5668/02.12.2021  Data emiterii ordinului: 02.12.2021</p>

Nr.	d) Lista de cărți și capitole în cărți <i>Titlul, Autorii, Nr. pagini, Editura, ISBN, Țara, Anul.</i>
1.	Tetragonal Tungsten Bronzes. Relaxor dielectric niobates-report on a case study. <b>Andrei Rotaru</b> (Autor), 192 pag., SITECH, ISBN 978-606-11-4970-4, România, 2015.
2.	Azoic dyes: from thermal properties to a wide range of applications; <b>Andrei Rotaru</b> , Anca Moanta (Autori); Capitolul 4 în: Advanced Engineering Materials. Recent Developments for Medical, Technological and Industrial Applications, 38 pag., Academica Greifswald, ISBN 978-3-940237-38-5, Germania, 2016.
3.	Methodologies for obtaining carburized steels by powder metallurgy; Marius Catalin Criveanu, <b>Andrei Rotaru</b> (Autori); Capitolul 6 în: Advanced Engineering Materials. Recent Developments for Medical, Technological and Industrial Applications, 49 pag., Academica Greifswald, ISBN 978-3-940237-38-5, Germania, 2016.
4.	Chimie fizică II. Cinetică chimică. (Manual didactic); <b>Andrei Rotaru</b> (Autor), 159 pag., SITECH, ISBN 978-606-11-6804-0, România, 2019.

Nr.	e) Lista articolelor/studiilor publicate în reviste din fluxul științific internațional principal <i>Titlul, Autorii, Jurnalul, Volumul, Paginile/Numă referință, Anul.</i>	Factor impact (anul)
1.	The in-depth study of Romanian prehistoric ceramics: Late Neolithic/Eneolithic pottery and clay materials from the Foeni Tell-Orthodox cemetery in Timiș county; Dan Vlase, Gabriela Vlase, Gabriela Ursuț, Paula Sfirloaga, Florin Manea, Mihaela Budiul, <b>Andrei Rotaru*</b> , Titus Vlase* <i>Ceramics International</i> , 49(9), 14941-14956, 2023	5,532 (2021)
2.	Structural, thermal and superconducting properties of Ag <sub>2</sub> O-doped YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> composite materials; Ana Hărăbor, Petre Rotaru, Novac Adrian Hărăbor, Petr Nozar, <b>Andrei Rotaru*</b> <i>Ceramics International</i> , 49(9), 14904-14916, 2023	5,532 (2021)
3.	The influence of surface chemistry upon the textural, thermal and sorption properties of apple-pectin adsorbent materials; Tudor Lupașcu, Elena Culighin, Oleg Petuhov, Tatiana Mitina, Maria Rusu, <b>Andrei Rotaru*</b> <i>Journal of Thermal Analysis and Calorimetry</i> , 148, 4573–4587, 2023	4,755 (2021)
4.	Thermal, physical and biological properties of new etheric dyes with chlorine and two azo groups of anthracene; Anca Moanță, Alice Carla Carabet, Ion Pălărie, <b>Andrei Rotaru</b> , Mariana Popescu, Marian Leulescu, Gabriela Iacobescu, Mihail Stoicescu, Petre Rotaru <i>Journal of Thermal Analysis and Calorimetry</i> , 148 (10), 4615-4639, 2023	4,755 (2021)
5.	An innovative method for highly-efficient fabrication of carbon fiber precursors via acrylonitrile emulsion copolymerization coupled to a chemical oscillator; Luciana Sciascia, Davide Lenaz, <b>Andrei Rotaru</b> , Francesco Princivalle, Filippo Parisi <i>Surfaces and Interfaces</i> , 37, 102686, 2023	6,137 (2021)

6.	Thermal stability, rheological and morpho-structural properties of the magnetorheological fluid MRF122 employed in spherical joint mechanisms; Daniela Sârbu, Nicu George Bîzdoacă, Nicoleta Cioateră, Cristian Ionel Vladu, <b>Andrei Rotaru*</b> , Cristina Florina Pană, Daniela Maria Pătraşcu, Gabriel Florian, Petre Rotaru <i>Journal of Thermal Analysis and Calorimetry</i> , 148, 1289–1308, 2023	4,755 (2021)
7.	Sunset Yellow: Physical, thermal and bioactive properties of the widely employed food, pharmaceutical and cosmetic orange azo-dye material; Marian Leulescu, Ion Pălărie, <b>Andrei Rotaru*</b> , Anca Moanță, Nicoleta Cioateră, Mariana Popescu, Gabriela Iacobescu, Emilian Morîntale, Mihaela Bojan, Maria Ciocîlteu, Iulian Petrişor, Petre Rotaru <i>Journal of Thermal Analysis and Calorimetry</i> , 148, 1265–1287, 2023	4,755 (2021)
8.	Azorubine: Physical, thermal and bioactive properties of the widely employed food, pharmaceutical and cosmetic red azo-dye material; Marian Leulescu, <b>Andrei Rotaru*</b> , Anca Moanță, Gabriela Iacobescu, Ion Pălărie, Nicoleta Cioateră, Mariana Popescu, Marius Catalin Criveanu, Emilian Morîntale, Mihaela Bojan, Petre Rotaru <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143(6), 3945–3967, 2021	4,755 (2021)
9.	The electro-mechanical control of element NiTi shape memory alloy strip while bending, based on thermal analysis evidence; Sonia Degeratu, G.E. Subţirelu, <b>Andrei Rotaru*</b> , Nicu G. Bîzdoacă, Petre Rotaru <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143(6), 3805–3815, 2021	4,755 (2021)
10.	Physical, thermal and biological properties of yellow dyes with two azodiphenylether groups of anthracene Carla Carabet, Anca Moanță, Ion Pălărie, Gabriela Iacobescu, <b>Andrei Rotaru*</b> , Marian Leulescu, Mariana Popescu, Petre Rotaru <i>Molecules</i> , 2020, 25(23), 5757	4,411 (2020)
11.	Ti-based composite materials with enhanced thermal and mechanical properties; Cristina Ileana Pascu, Stefan Gheorghe, <b>Andrei Rotaru*</b> , Claudiu Nicolicescu, Nicoleta Cioatera, Adrian Sorin Rosca, Daniela Sarbu, Petre Rotaru <i>Ceramics International</i> , 2020, 46 (18, Part B), 29358-29372	4,527 (2020)
12.	Local Structure and Order–Disorder Transitions in “Empty” Ferroelectric Tetragonal Tungsten Bronzes; Jason A. McNulty, David Pesquera, Jonathan Gardner, <b>Andrei Rotaru</b> , Helen Y. Playford, Matthew G. Tucker, Michael A. Carpenter, Finlay D. Morrison <i>Chemistry of Materials</i> , 2020, 32 (19), 8492–8501	9,811 (2020)
13.	Edible vegetable oils enriched with carotenoids extracted from by-products of sea buckthorn ( <i>Hippophae rhamnoides ssp. sinensis</i> ): the investigation of some characteristic properties, oxidative stability and the effect on thermal behaviour; Alexandru Radu Corbu, <b>Andrei Rotaru</b> , Violeta Nour; <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142 (2), 735–747	4,626 (2020)
14.	Adsorption capacity of Vitamin B12 and Creatinine on highly-mesoporous activated carbons obtained from lignocellulosic raw materials; Tudor Lupaşcu, Oleg Petuhov, Nina Țimbaliuc, Silvia Cibotaru, <b>Andrei Rotaru*</b> <i>Molecules</i> , 25 (13), 3095, 2020	4,411 (2020)

15.	Induced-Hydrophilicity and in vitro Preliminary Osteoblast Response of Polyvinylidene Fluoride (PVDF) Coatings Obtained via MAPLE Deposition and Subsequent Thermal Treatment; Luminita Nicoleta Dumitrescu, Patricia Neacsu, Madalina G. Necula, Anca Bonciu, Valentina Marascu, Anisoara Cimpean, Antoniu Moldovan, <b>Andrei Rotaru*</b> , Valentina Dinca*, Maria Dinescu* <i>Molecules</i> , 25 (3), 582, 2020	4,411 (2020)
16.	Chromism, positional, conformational and structural isomerism in a series of Zn(II) and Cd(II) coordination polymers based on methylated azine N,N'-donor linkers; Vasile Lozovan, Victor C. Kravtsov, Elena Gorincioi, <b>Andrei Rotaru</b> , Eduard B. Coropceanu, Nikita Siminel, Marina S. Fonari <i>Polyhedron</i> , 180, 114411, 2020	3,052 (2020)
17.	Thermomechanical, calorimetric and magnetic properties of a Ni-Ti shape memory alloy wire; Gabriel Florian, Augusta Raluca Gabor, Cristian-Andi Nicolae, <b>Andrei Rotaru*</b> , Nicolae Stănică, Nicu G. Bîzdoacă, Petre Rotaru; <i>Journal of Thermal Analysis and Calorimetry</i> , 140, 527–544, 2020	4,626 (2020)
18.	Physical and thermophysical properties of a commercial Ni-Ti shape memory alloy strip; Gabriel Florian, Augusta Raluca Gabor, Cristian-Andi Nicolae, <b>Andrei Rotaru*</b> , Cornelia A. Marinescu, Gabriela Iacobescu, Nicolae Stănică, Sonia Degeratu, Oana Gîngu, Petre Rotaru; <i>Journal of Thermal Analysis and Calorimetry</i> , 138(3), 1841-1851, 2019	2,731 (2019)
19.	Structural, electrical and relaxor properties of Sc-In solid solution in tetragonal tungsten bronze ceramics; <b>Andrei Rotaru</b> , Finlay D. Morrison; <i>Ceramics International</i> , 45 (2) Part B, 2710-2718, 2019	3,830 (2019)
20.	Orthorhombic YBCO-123 ceramic oxide superconductor: structural, resistive and thermal properties; Ana Harabor, Petre Rotaru, Novac Adrian Harabor, Petr Nozar, <b>Andrei Rotaru*</b> ; <i>Ceramics International</i> , 45 (2) Part B, 2899-2907, 2019	3,830 (2019)
21.	Tartrazine: physical and biophysical properties of the most widely employed artificial yellow food-colouring azo dye; Marian Leulescu, <b>Andrei Rotaru*</b> , Ion Pălărie, Anca Moanță, Nicoleta Cioatera, Mariana Popescu, Emilian Morîntale, Maria Bubulică, Gabriel Florian, Ana Hărăbor, Petre Rotaru; <i>Journal of Thermal Analysis and Calorimetry</i> , 134 (1), 209-231, 2018	2,471 (2018)
22.	Thermokinetic study of CODA azoic liquid crystal and thin films deposition by matrix-assisted pulsed laser evaporation; <b>Andrei Rotaru</b> , Anca Moanță, Cătălin Constantinescu, Marius Dumitru, Horia Octavian Manolea, Andreea Andrei, Maria Dinescu; <i>Journal of Thermal Analysis and Calorimetry</i> , 128 (1), 89-105, 2017	2,209 (2017)
23.	Hydroxyapatite-alendronate composite systems for biocompatible materials; Johny Neamtu, Maria-Viorica Bubulica, <b>Andrei Rotaru</b> , Catalin Ducu, Oana Elena Balosache, Valentin Costel Manda, Adina Turcu-Stiolica, Claudiu Nicolicescu, Razvan Melinte, Mariana Popescu, Octavian Croitoru; <i>Journal of Thermal Analysis and Calorimetry</i> , 127 (2), 1567–1582, 2017	2,209 (2017)

24.	Thermal behaviour of CODA azoic dye liquid crystal and nanostructuring by drop cast and spin coating techniques; <b>Andrei Rotaru</b> , Marius Dumitru; <i>Journal of Thermal Analysis and Calorimetry</i> , 127 (1), 21–32, 2017	2,209 (2017)
25.	Thermal and kinetic study of hexagonal boric acid vs. triclinic boric acid in air flow; <b>Andrei Rotaru*</b> ; <i>Journal of Thermal Analysis and Calorimetry</i> , 127 (1), 755–763, 2017	2,209 (2017)
26.	Discriminating within the kinetic models for heterogeneous processes of materials by employing a combined procedure under TKS-SP 2.0 software; <b>Andrei Rotaru*</b> ; <i>Journal of Thermal Analysis and Calorimetry</i> , 126 (2), 919-932, 2016	1,953 (2016)
27.	Microstructural and high-temperature impedance spectroscopy study of Ba <sub>6</sub> MNb <sub>9</sub> O <sub>30</sub> (M = Ga, Sc, In) relaxor dielectric ceramics with tetragonal tungsten bronze structure; <b>Andrei Rotaru*</b> , Finlay D. Morrison; <i>Ceramics International</i> , 42, 11810-11821, 2016	2,986 (2016)
28.	Elastic and anelastic relaxations accompanying relaxor dielectric behaviour of Ba <sub>6</sub> GaNb <sub>9</sub> O <sub>30</sub> tetragonal tungsten bronze from resonant ultrasound spectroscopy; <b>Andrei Rotaru*</b> , Jason A. Schiemer, Michael A. Carpenter; <i>Journal of Thermal Analysis and Calorimetry</i> , 124 (2), 571-583, 2016	1,953 (2016)
29.	Effect of local A-site strain on dipole stability in A <sub>6</sub> GaNb <sub>9</sub> O <sub>30</sub> (A = Ba, Sr, Ca) tetragonal tungsten bronze relaxor dielectrics. Andrew J. Miller, <b>Andrei Rotaru</b> , Donna C. Arnold, Finlay D. Morrison; <i>Dalton Transactions</i> , 44, 10738-10745, 2015	4,177 (2015)
30.	Vogel-Fulcher analysis of relaxor dielectrics with the tetragonal tungsten bronze structure Ba <sub>6</sub> MNb <sub>9</sub> O <sub>30</sub> (M = Ga, Sc, In); <b>Andrei Rotaru</b> , Finlay D. Morrison; <i>Journal of Thermal Analysis and Calorimetry</i> , 120 (2), 1249-1259, 2015	1,781 (2015)
31.	Thermal behaviour and thin film deposition by MAPLE technique of functional polymeric materials with potential use in optoelectronics; Catalin Constantinescu, <b>Andrei Rotaru</b> , Anca Nedelcea, Maria Dinescu; <i>Materials Science in Semiconductor Processing</i> , 30, 242-249, 2015	2,264 (2015)
32.	Thermal behavior and antimicrobial assay of some new zinc(II) 2-aminobenzoate complex compounds with bioactive ligands; Annamaria Krajnikova, <b>Andrei Rotaru*</b> , Katarina Gyoryova, Horia Octavian Manolea, Katarina Homzova, Jana Kovarova, Daniela Hudecova; <i>Journal of Thermal Analysis and Calorimetry</i> , 120, 1, 73-78, 2015	1,781 (2015)
33.	Towards novel multiferroic & magnetoelectric materials: dipole stability in tetragonal tungsten bronzes. <b>Andrei Rotaru</b> , Andrew J. Miller, Donna C. Arnold, Finlay D. Morrison; <i>Philosophical Transactions of the Royal Society A</i> , 372, 20120451, 2014	2,147 (2014)
34.	Thermal analysis and kinetic study of Petroșani bituminous coal from Romania in comparison with a sample of Ural bituminous coal; <b>Andrei Rotaru*</b> ; <i>Journal of Thermal Analysis and Calorimetry</i> , 110, 3, 1283-1291, 2012	1,982 (2012)

35.	Origin and stability of dipolar response in a family of tetragonal tungsten bronze relaxors; <b>Andrei Rotaru</b> , Donna C. Arnold, Aziz Daoud-Aladine, Finlay D. Morrison; <i>Physical Review B</i> , 83, 18, 184302, 2011	3,691 (2011)
36.	DSC study on hyaluronan hydration and dehydration; Jiri Kucerik, Alena Prusova, <b>Andrei Rotaru</b> , Karol Flimel, Jiri Janacek, Pelegrino Conte; <i>Thermochimica Acta</i> , 523, 1-2, 245-249, 2011	1,805 (2011)
37.	Matrix assisted pulsed laser evaporation of zinc benzoate for ZnO thin films and non-isothermal decomposition kinetics; <b>Andrei Rotaru*</b> , Catalin Constantinescu, Anca Mândruleanu, Petre Rotaru, Antoniu Moldovan, Katarina Györyová, Maria Dinescu, Vladimir Balek; <i>Thermochimica Acta</i> , 498, 1-2, 81-91, 2010	1,908 (2010)
38.	Computational thermal and kinetic analysis. Complete standard procedure to evaluate the kinetic triplet form non-isothermal data; <b>Andrei Rotaru*</b> , Mihai Goşa; <i>Journal of Thermal Analysis and Calorimetry</i> , 97, 2, 421-426, 2009	1,587 (2009)
39.	CdS thin films obtained by thermal treatment of cadmium (II) complex precursor deposited by MAPLE technique; <b>Andrei Rotaru</b> , Anna Mietlarek-Kropidłowska, Catalin Constantinescu, Nicu Scărișoreanu, Marius Dumitru, Michal Strankowski, Petre Rotaru, Valentin Ion, Cristina Vasiliu, B. Becker, M. Dinescu; <i>Applied Surface Science</i> , 255, 15, 6786-6789, 2009	1,616 (2009)
40.	Thermal decomposition kinetics of some aromatic azomonoethers. Part IV. Non-isothermal kinetics of 2-allyl-4-((4-(4-methylbenzyloxy)phenyl)diazanyl)phenol in air flow; <b>Andrei Rotaru*</b> , Anca Moanță, Gina Popa, Petre Rotaru, Eugen Segal; <i>Journal of Thermal Analysis and Calorimetry</i> , 97, 2, 485-491, 2009	1,587 (2009)
41.	Thermal characteristics of Ni-Ti SMA (shape memory alloy) actuators; Sonia Degeratu, Petre Rotaru, Gheorghe Manolea, Horia Octavian Manolea, <b>Andrei Rotaru*</b> ; <i>Journal of Thermal Analysis and Calorimetry</i> , 97, 2, 695-700, 2009	1,587 (2009)
42.	Isoconversional linear integral kinetics of the non-isothermal evaporation of 4-[(4-chlorobenzyl)oxy]-4'-trifluoromethyl-azobenzene; <b>Andrei Rotaru*</b> , Mihai Goşa, Eugen Segal; <i>Studia Universitatis Babeș-Bolyai Chemia</i> , 54, 3 185-192, 2009	0,086 (2009)
43.	Thermal analysis of azoic dyes; Part I. Non-isothermal decomposition kinetics of [4-(4-chlorobenzoyloxy)-3-methylphenyl]( <i>p</i> -tolyl)diazene in dynamic air atmosphere; <b>Andrei Rotaru*</b> , George Brătulescu, Petre Rotaru; <i>Thermochimica Acta</i> , 489, 1-2, 63-69, 2009	1,742 (2009)
44.	Thermal decomposition kinetics of some aromatic azomonoethers. Part III. Non-isothermal study of 4-[(4-chlorobenzyl)oxy]-4'-chloro-azobenzene in dynamic air atmosphere; <b>Andrei Rotaru*</b> , Anca Moanță, Petre Rotaru, Eugen Segal; <i>Journal of Thermal Analysis and Calorimetry</i> , 95, 1, 161-166, 2009	1,587 (2009)

45.	Multifunctional thin films of lactoferrin for biochemical use deposited by MAPLE technique; Catalin Constantinescu, Alexandra Palla-Papavlu, <b>Andrei Rotaru</b> , Paula Florian, Florica Chelu, Madalina Icriverzi, Anca Nedelcea, Valentina Dincă, Anca Roşeanu, Maria Dinescu; <i>Applied Surface Science</i> , 255, 10, 5491-5495, 2009	1,616 (2009)
46.	Computational thermal and kinetic analysis. Software for non-isothermal kinetics by standard procedure; <b>Andrei Rotaru*</b> , Mihai Goşa, Petre Rotaru; <i>Journal of Thermal Analysis and Calorimetry</i> , 94, 2 367-371, 2008	1,630 (2008)
47.	Thermal decomposition kinetics of some aromatic azomonoethers. Part II. Non-isothermal study of three liquid crystals in dynamic air atmosphere; <b>Andrei Rotaru*</b> , Anna Kropidłowska, Anca Moanță, Petre Rotaru, Eugen Segal; <i>Journal of Thermal Analysis and Calorimetry</i> , 92, 1, 233-238, 2008	1,630 (2008)
48.	Thermal characterization of humic acids and other components of raw coal; <b>Andrei Rotaru*</b> , Irina Nicolaescu, Petre Rotaru, Constantin Neaga; <i>Journal of Thermal Analysis and Calorimetry</i> , 92, 1, 297-300, 2008	1,630 (2008)
49.	Thermal analysis and thin films deposition by matrix assisted pulsed laser evaporation of a 4CN type azomonoether; <b>Andrei Rotaru</b> , Catalin Constantinescu, Petre Rotaru, Anca Moanță, Marius Dumitru, Margareta Socaciu, Maria Dinescu, Eugen Segal; <i>Journal of Thermal Analysis and Calorimetry</i> , 92, 1, 279-284, 2008	1,630 (2008)
50.	Heteroleptic Cd(II) complex, potential precursor for semiconducting CdS layers. Thermal stability and non-isothermal decomposition; Anna Kropidłowska, <b>Andrei Rotaru</b> , Michal Strankowski, Barbara Becker, Eugen Segal; <i>Journal of Thermal Analysis and Calorimetry</i> , 91, 3, 903-909, 2008	1,630 (2008)
51.	Thermal stability of some new complexes bearing ligands with polymerisable groups; Mihaela Badea, Rodica Olar, Dana Marinescu, Eugen Segal, <b>Andrei Rotaru</b> ; <i>Journal of Thermal Analysis and Calorimetry</i> , 88, 2, 317-321, 2007	1,483 (2007)
52.	Thermal decomposition kinetics of some aromatic azomonoethers; Part I. Decomposition of 4-[(4-chlorobenzyl)oxy]-4'-nitro-azobenzene; <b>Andrei Rotaru</b> , Anca Moanță, Ion Sălăgeanu, Petru Budrugaec, Eugen Segal; <i>Journal of Thermal Analysis and Calorimetry</i> , 87, 2, 345-355, 2007	1,483 (2007)
53.	Kinetic study of the thermal decomposition of some aromatic ortho-chlorinated azomonoethers; 1. Decomposition of 4-[(2-chlorobenzyl)oxy]-4'-trifluoromethyl-azobenzene; <b>Andrei Rotaru</b> , Bogdan Jurca, Anca Moanță, Ion Sălăgeanu, Eugen Segal; <i>Revue Roumaine de Chimie</i> , 51, 5, 373-378, 2006	0,208 (2006)