UNIVERSITATEA DIN CRAIOVA
FACULTATEA DE ȘTIINȚE
DEPARTAMENTUL DE CHIMIE
Postul scos la concurs: Conferențiar, Poz. 14
Disciplinele postului: Chimie organică (Funcțiuni mixte și heterocicluri); Poluanți organici; Sinteza și retrosinteza în chimia organică
Domeniul ştiinţific: Chimie

FIŞA DE VERIFICARE

a îndeplinirii standardelor universităţii
pentru postul de **Conferenţiar universitar**
publicat în Monitorul Oficial al României, Partea a III-a, nr. 1631 din 28.11.2016

Candidat: **MOANȚĂ ANCA IONELA** Data naşterii: 29.09.1972
Funcţia actuală : Lector universitar
Instituţia: Universitatea din Craiova

1. Studiile universitare

Nr. crt.	Instituţia de învăţământ superior	Domeniul	Perioada	Titlul acordat
1.	Universitatea din Craiova, Facultatea de Științe	Chimie	1991-1996	Licențiat în Chimie
2.	Universitatea din Craiova, Facultatea de Științe	Chimie	1996-1997	Diploma de Studii Aprofundate

2. Studiile de doctorat

Nr. crt.	Instituţia organizatoare de doctorat	Domeniul	Perioada	Titlul ştiinţific acordat
1.	Universitatea din București, Facultatea de Chimie	Chimie	1997-2004	Doctor

3. Studii şi burse postdoctorale (stagii de cel puţin 6 luni)

4. Grade didactice/profesionale

Nr. crt.	Instituţia	Domeniul	Perioada	Titlul/postul didactic sau gradul/postul profesional
1.	Liceul Teoretic Henri Coandă	Chimie	sept. 1996-febr. 1997	Profesor titular chimie
2.	Universitatea din Craiova	Chimie	febr. 1997 – oct. 1999	Preparator universitar
3.	Universitatea din Craiova	Chimie	oct. 1999 – oct. 2006	Asistent universitar
4.	Universitatea din Craiova	Chimie	oct. 2006 – prezent	Lector universitar

5. Realizările profesional-ştiinţifice

Relevanţa şi impactul rezultatelor ştiinţifice ale candidatului	Activitatea de cercetare am început-o odată cu înscrierea la doctorat în anul 1997, iar din anul 2012 s-a desfășurat în cadrul centrului de cercetare *Electrochimie și coroziune*. În această perioadă am susținut teza de doctorat *Azomonoeteri cu acțiune antimicrobiană,* am publicat și comunicat 88 de lucrări (30 articole publicate în reviste cotate ISI, 19 articole publicate în reviste de specialitate din ţară, 20 comunicări cu rezumatele publicate în volumele unor conferinţe internationale, 19 comunicări cu rezumatele publicate în volumele unor manifestări ştiinţifice naţionale), 3 cărți și am participat la 3 contracte de cercetare. Articolele publicate în reviste cotate ISI însumează un **factor de impact 36,19**, iar 9 dintre ele au fost premiate de CNCSIS/UEFISCDI. Rezultatele originale obținute în urma acestei activități de cercetare sunt: ➢ sinteza a peste 40 de azoderivați noi care se încadrează în clasa azomonoeterilor și azoesterilor; ➢ studiul termic al unor compuși care prezintă proprietăți de cristale licide; ➢ testarea activității antimicrobiene pentru o serie de azoderivați noi; ➢ testarea acțiunii inhibitorii a coroziunii oțelului inox pentru doi dintre azoderivații sintetizați; ➢ studiul unor metode chimice și electrochimice de degradare a unor coloranți cu scopul decolorării apelor uzate rezultate în urma folosirii coloranților. **Lucrări publicate în reviste cotate ISI (selecție):** 1.A study of the surface protective layer formed on carbon steel in water-dioxane solution containing 0.15 M NaCl in presence of an azo dye with antimicrobial activity, A.Samide, B.Tutunaru, **A.Moanță**, C.Ionescu, C.Tigae, A.C.Vladu, *International Journal of Electrochemical Science*, 2015, 10 (6), 4637-4653. 2.A new azo-ester: 4-(phenyldiazenyl)phenyl benzene sulfonate. Spectral, thermal and electrochemical behavior, and its antimicrobial activity, **A.Moanță**, C.Ionescu, M.Drăgoi, B.Tutunaru, P.Rotaru, *Journal of Thermal Analysis and Calorimetry*, 2015, 120 (2), 1151-1161. 3.Synthesis and biological evaluation of some novel 4-phenyldiazenyl-4'-[(4-chlorobenzyl)oxy]biphenyl derivatives as antibacterial agents, **A.Moanță**, *Journal of the Chilean Chemical Society*, 2014, 59 (1), 2275-2278. 4.Spectral and thermal studies of 4-(phenyldiazenyl)phenyl 2-furoate as corrosion inhibitor for carbon steel, **A.Moanţă**, B.Tutunaru, P.Rotaru, *Journal of Thermal Analysis and Calorimetry*, 2013, 111 (2), 1273-1279.

	5.Synthesis and characterization of an azo dye: 4-(phenyldiazenyl)phenyl 2-furoate. Electrochemical and XPS study of its adsorption and inhibitive properties on corrosion of carbon steel in saline water, **A.Moanță**, A.Samide, C.Ionescu, B.Tutunaru, A.Fruchier, V.Barragan- Montero, A.Dobritescu, *International Journal of Electrochemical Sciences*, 2013, 8 (1), 780-796. 6.Characteristic fragmentation patterns of some 4-(phenylazo)phenols obtained by electron impact mass spectrometry, **A.Moanță**, *Revista de Chimie (Bucuresti)*, 2012, 63(1), 7-9. 7.Structural characterization, thermal investigation and liquid crystalline behavior of 4-[(4-chlorobenzyl)oxy]-3,4'-dichloroazobenzene, **A.Moanţă**, C.Ionescu, P.Rotaru, M.Socaciu, A.Hărăbor, *Journal of Thermal Analysis and Calorimetry*, 2010, 102(3), 1079-1086. 8.Thermal decomposition kinetics of some aromatic azomonoethers. Part III. Non-isothermal study of 4-[(4-chlorobenzyl)oxy]-4'-chloro-azobenzene in dynamic air atmosphere, A.Rotaru, **A.Moanţă**, P.Rotaru, E.Segal, *Journal of Thermal Analysis and Calorimetry*, 2009, 95(1), 161-166. 9.New phenoxyacetic acid analogues with antimicrobial activity, **A.Moanţă**, S.Radu, *Revista de Chimie (Bucureşti)*, 2008, 59(6), 708-711. 10.Studiul proprietăţilor spectrale şi determinarea activităţii biologice pentru o serie de 4-[(4-clorobenzil)oxi]-azobenzeni, **A.Moanţă**, S.Radu, G.Rău, *Revista de Chimie (Bucureşti)*, 2007, 58 (2), 229-231. **Aplicaţii PN II. Resurse umane. Premierea rezultatelor cercetării** 1.Synthesis and characterization of novel furoate azodye by using spectral and thermal methods of analysis, PN-II-RU-PRECISI-2015-9-13384, aplicant. 2.A new azo-ester: 4-(phenyldiazenyl)phenyl benzene sulfonate. Spectral, thermal and electrochemical behavior, and its antimicrobial activity, PN-II-RU-PRECISI-2015-9-13305, aplicant. 3.Thermal behaviour and adsorption properties of some benzothiazole derivatives, PN-II-RU-PRECISI-2014-8-7293, coautor. 4.Synthesis and characterization of an azo dye: 4-(phenyldiazenyl)phenyl 2-furoate. Electrochemical and XPS study of its adsorption and inhibitive properties on corrosion of carbon steel in saline water, PN-II-RU-PRECISI-2013-7-2959, aplicant. 5.Electrochemical study of haematoxylin inhibitory activity to control carbon steel corrosion in natrium nitrate solution, PN-II-RU-PRECISI-2013-7-3083, coautor. 6.New phenoxyacetic acids analogues with antimicrobial activity, PNII Resurse umane 2008, cod 258, aplicant.

	7.Novel azoderivatives as liquid crystals, PN II Program Resurse umane 2008, cod CNCSIS 469, coautor. 8.Thermal decomposition kinetics of some aromatic azomonoethers. Part III. Non-isothermal study of 4-[(4-chlorobenzyl)oxy]-4'-chloro-azobenzene in dynamic air atmosphere, PN II Program Resurse umane 2009, cod CNCSIS 120, aplicant. 9.Thermal decomposition kinetics of some aromatic azomonoethers. Part IV.Non-isothermal kinetics of 2-allyl-4-((4-(4-methylbenzyloxy) phenyl)diazenyl) phenol in dynamic air atmosphere, PN II Program Resurse umane 2009, cod CNCSIS 1007, aplicant. Recunoașterea prestigiului profesional s-a materializat prin cele **170 de citări** ale articolelor în reviste cotate ISI/indexate BDI: International Journal of Electrochemical Science, Journal of Thermal Analysis and Calorimetry, Journal of Electroanalitycal Chemistry, Monatshefte fur Chemie-Chemical Monthly, Russian Journal of Applied Chemistry, Chemical Engineering Communications, Advanced Material Researches, Central European Journal of Chemistry, Quantum Matter, Revista de Chimie, Physics AUC, Thermochimica Acta, High Performance Polymers, Fibers and Polymers, European Journal of Chemistry, American Journal of Analytical Chemistry, Journal of Optoelectronics and Advanced Materials, Chemical and Pharmaceutical Bulletin, The Chinese Journal of Process Engineering, Acta Chimica Sinica, Journal of Thermodynamics, Chemik, Journal of Zhengzhou University, Journal of Applied Polymer Science, Thin Solid Films, Applied Surface Science, Synthetic Metals, Applied Spectroscopy Reviews, Chemical Physics, Biofabrication, Materials Science in Semiconductor Processing, MRS Bulletin, Journal of Loss Prevention in the Process Industries, American Chemical Science Journal, Molecules, Chinese Journal of Inorganic Chemistry, Asian Journal of Chemistry, Chinese Journal of Structural Chemistry, Revue Roumaine de Chimie, Farmacia, Journal of the American Ceramic Society, Ceramics International, Bioresource Technology, Chinese Journal of Organic Chemistry, Plasma Chemistry and Plasma Processing. **Indice Hirsh = 9** (cumulat Moanta A or Jianu A) conform Web of knowledge. Experiența în domeniul sintezei compușilor organici cu activitate antimicrobiană mi-a fost recunoscută și prin solicitările pe care le-am primit din partea revistei Medicinal Chemistry Researches de a fi referent științific pentru o serie de articole.
Capacitatea candidatului de a îndruma studenţi sau tineri cercetători şi competenţele didactice ale candidatului	Am coordonat studenții și masteranzii pentru realizarea lucrărilor de finalizare a studiilor. În acest sens mi-am adus aportul la elaborarea a 40 lucrări de licență și 20 lucrări de dizertație, încurajâdu-i să participe și la Sesiunea studenților.

	De asemenea, am colaborat cu conducătorii de doctorat la pregătirea a trei doctoranzi în perioada studiilor doctorale, doi dintre doctoranzi finalizându-și deja tezele cu rezultate frumoase. Colaborarea cu doctorandul Andrei Rotaru (tema tezei *Funcționalizarea indusă termic a filmelor subțiri de materiale moleculare obținute prin tehnici laser,* conducător de doctorat doamna CP I dr. Maria Dinescu), s-a concretizat prin publicarea a 7 articole in reviste cotate ISI și comunicarea altor 7 lucrări la conferințe internaționale. Colaborarea cu doctoranda Drăgoi Mădălina (tema tezei *Procese de degradare a unor coloranţi azoici*, conducător de doctorat prof. univ. dr. Mircea Preda) a condus la publicarea a 2 lucrări în reviste cotate ISI și 4 în reviste de specialitate. Activitatea didactică a constat în susținerea în calitate de titular a unor cursuri (*Chimie organică (Funcțiuni mixte și heterocicluri), Poluanți organici, Compuși naturali, Compuși macromoleculari biologic activi* - master, și *Chimie* - studenți străini), dar și a laboratoarelor și seminariilor aferente. În ceea ce privește activitatea desfășurată în cadrul Departamentului de Chimie am fost membru în comisii de licență, dizertație, promovare, grad I, grad II, definitivat, membru în Consiliul Profesoral. În cadrul procesului de evaluare efectuat anual am obținut calificativul "Foarte bine". Evaluarea realizată de studenți cu note de la 1 la 10 s-a finalizat cu calificativul "Foarte bine". În continuare prezint concluziile scrisorilor de recomandare elaborate de profesori de prestigiu din țară: **Prof. em. dr. Sorin Roșca**, Universitatea Politehnica București: "În concluzie, apreciez că activitatea didactică, științifică și publică din domeniul chimiei desfășurată de doamna Anca Ionela Moanță o recomandă pentru ocuparea unui post de conferențiar universitar și continuarea unei cariere academice foarte promițătoare." **Prof. univ. dr. ing. Titus Vlase dr. habil.**, Universitatea de Vest Timișoara: "Recomand cu încredere și căldură înscrierea și participarea doamnei lector dr. Anca Moanță la concursul pentru ocuparea postului de conferențiar universitar." **Prof. univ. dr. farm. Cătălina Pisoschi**, Universitatea de Medicină și Farmacie Craiova: "Propun și o recomand cu toată convingerea pe doamna șef lucr. dr. Anca Ionela Moanță pentru ocuparea poziției de conferențiar universitar, în cadrul Departamentului de Chimie, Facultatea de Științe, Universitatea din Craiova." **Prof. univ. dr. Johny Neamțu**, Universitatea de Medicină și Farmacie Craiova: "În concluzie, o consider pe doamna lector dr. Anca Moanță un excelent candidat pentru poziția de conferențiar universitar, la Departamentul de Chimie, Facultatea de Științe, Universitatea din Craiova și, datorită competențelor sale didactice, științifice și profesionale o recomand cu căldură pentru a ocupa acest post."

Capacitatea candidatului de a conduce proiecte de cercetare-dezvoltare	Am acumulat experienţă de conducere a proiectelor de cercetare dezvoltare în calitate de director datorită celor 2 proiecte de cercetare pe bază de grant obţinut prin competiţie: 1.Sinteza, caracterizarea şi testarea electrochimică a unor compuşi noi din clasa coloranţilor azoici, coordonator de proiect, 39C/2014 competiţia de granturi a Universităţii din Craiova. 2.Studiu privind posibilitatea de utilizare a unor coloranţi în procesul de fabricaţie a produselor alimentare, beneficiar MONTEVERDE Caracal, 32C/30.03.09. Am participat ca membru în colectivul de cercetare al unui proiect de cercetare pe bază de grant obţinut prin competiţie naţională: 1.Monostraturi organice auto-adsorbite pe suprafeţe metalice. Reacţii la interfaţa metal/electrolit, PN II Program IDEI 2008 Proiecte de cercetare exploratorie, cod CNCSIS 422, membru în echipa de cercetare.

6. Îndeplinirea standardelor universităţii:

- deţinerea diplomei de doctor în domeniul postului sau într-o ramură înrudită: **îndeplinit/ Diploma de doctor în domeniul Chimie, seriaD, nr.0001981/OMEdC nr. 3184/ 7.02.2005**;
- îndeplinirea standardelor minimale naţionale de ocupare a posturilor didactice/de cercetare, specifice funcţiei de Conferenţiar universitar/CS II, aprobate prin O.M.E.C.T.S. nr. 6560/20.12.2012, publicat în M.O. nr. 890 bis/27.12.2012 şi modificat cu O.M.E.N. nr. 4204/15.07.2013, publicat în M.O. nr. 440/18.07.2013, potrivit art. 219 alin. (1) al Legii Educaţiei Naţionale nr. 1/2011: **îndeplinit/ Anexa 4 Chimie**.

Domeniul de activitate (Indicator, Criteriu)	**Punctaj Minim**	**Punctaj Realizat**
1.Activitate didactică profesională (A_1)	3	9
2.Activitatea de cercetare (A2)	20	32
3.Recunoaşterea şi impactul activităţii (A3)	15	85
Total	**38**	**126**

7.Îndeplinirea standardelor facultăţii:

-o medie minimă a anilor de studii universitare de 8: **îndeplinit/ media 9,96**

-îndeplinirea standardelor minimale naţionale de ocupare a posturilor didactice, specifice funcţiei de Conferenţiar universitar, aprobate prin O.M.E.C.T.S. nr. 6560/20.12.2012, publicat în M.O. nr. 890 bis/27.12.2012: **îndeplinit/ Anexa 4 Chimie**.

-activitatea ştiinţifică trebuie să fie în concordanţă cu profilul postului scos la concurs: **îndeplinit/**Activitatea de cercetare s-a concretizat în sinteza a peste 40 de azoderivaţi noi cu proprietăţi de cristale lichide, activitate antimicrobiană şi/sau acţiune inhibantă a coroziunii oţelului inox şi studiul unor metode de decolorare a apelor poluate cu coloranţi (Lista de lucrări). Aceste rezultate sunt în strânsă legătură cu cursurile şi laboratoarele disciplinelor aflate în postul de conferenţiar scos la concurs şi pot constitui exemple pentru susţinerea lor: Chimie organică (Funcţiuni mixte şi heterocicluri), Poluanţi organici, Sinteza şi retrosinteza în chimia organică.

09.01.2017 Semnătura candidatului

STANDARDE MINIMALE Anexa 4 CHIMIE

OMEdC. nr. 6.560/20.12.2012; MONITORUL OFICIAL AL ROMÂNIEI, PARTEA I, Nr. 890 bis/27.XII.2012

1.Propunere de definiţii privind structura activităţii candidatului

<table>
<tr><td colspan="6">Activitate didactică profesională (A1)</td></tr>
<tr><td colspan="6">1.1 Cărţi sau capitole de carte</td></tr>
<tr><td colspan="2">Categorii şi restricţii</td><td colspan="2">Subcategorii</td><td>k_{pi}</td><td>Punctaj realizat</td></tr>
<tr><td>Impus</td><td>Realizat</td><td>Impus</td><td>Realizat</td><td rowspan="2">3</td><td rowspan="2">9</td></tr>
<tr><td>1</td><td>3</td><td>-</td><td>-</td></tr>
<tr><td colspan="6">Activitatea de cercetare (A2)</td></tr>
<tr><td colspan="6">2.1. Articole în reviste cotate ISI Thomson Reuters</td></tr>
<tr><td colspan="2" rowspan="2">Categorii şi restricţii</td><td colspan="2">Subcategorii</td><td rowspan="2">k_{pi}</td><td rowspan="2"></td></tr>
<tr><td colspan="2">Factor impact cumulat:</td></tr>
<tr><td>Impus</td><td>Realizat</td><td>Impus</td><td>Realizat</td><td rowspan="3">1</td><td rowspan="3">30</td></tr>
<tr><td>18 articole</td><td>30 articole</td><td>minim 18</td><td>36,191</td></tr>
<tr><td>12 în reviste internaţionale</td><td>17 în reviste internaţionale</td><td>-</td><td>-</td></tr>
<tr><td colspan="6">2.2. Granturi/proiecte caştigate prin competiţie naţională</td></tr>
<tr><td colspan="6">2.2.2. Membru in echipă</td></tr>
<tr><td colspan="2">Impus</td><td colspan="2">Realizat</td><td rowspan="2">2</td><td rowspan="2">2</td></tr>
<tr><td colspan="2">1</td><td colspan="2">1</td></tr>
<tr><td colspan="6">Recunoaşterea şi impactul activităţii (A3)</td></tr>
<tr><td colspan="6">3.1. Citări în reviste ISI şi BDI</td></tr>
<tr><td>Impus</td><td colspan="3">Realizat</td><td rowspan="2">0,5</td><td rowspan="2">85</td></tr>
<tr><td>30</td><td colspan="3">170</td></tr>
<tr><td colspan="4">3.1.1. Citări în reviste ISI 148</td><td>0,5</td><td>74</td></tr>
<tr><td colspan="4">3.1.2. Citări în reviste BDI 22</td><td>0,5</td><td>11</td></tr>
</table>

2. Formula de calcul a indicatorului de merit (A = A1+A2+A3)

$$A = \Sigma_i\, n_{1i}k_{1i} + \Sigma_i\, n_{2i}k_{2i} + \Sigma_i\, n_{3i}k_{3i}$$

k_{pi} - Indice specific tipului şi categoriei de activitate

n_{pi} - Numărul de activităţi din categorie

A1 = 9
A2 = 32
A3 = 85
A = A1 + A2+ A3 = 9 + 32 + 85= 126

3.Condiţii minimale (Ai)

Nr.crt.	Categoria			
	Domeniul de activitate	**Condiţii/ conferenţiar**	**Punctaj realizat**	**Indeplinit**
1	Activitatea didactică/profesională **(A1)**	3	**9**	**DA**
2	Activitate de cercetare **(A2)**	20	**32**	**DA**
3	Recunoaşterea impactului activităţii **(A3)**	15	**85**	**DA**
TOTAL		**38**	**126**	

A1.Activitate didactică

1.1.Cărţi publicate in edituri recunoscute CNCSIS – 3

1. „Coloranţi azoici hidroxilici şi eterici”, **Anca Moanţă,** Editura Universitaria Craiova, ISBN 978-605-510-866-0, 2010, 179 pag.
2. ,,Chimia organică şi poluarea’’, **Anca Moanţă,** Editura Sitech Craiova, ISBN 978-606-530-481-9, 2009, 168 pag.
3. ,,Analiza chimică organică’’, **Anca Moanţă,** Editura Sitech Craiova, ISBN 978-973-746-467-5, 2007, 152 pag.

A1 = 9

A2.Activitatea de cercetare

2.1. Articole în reviste cotate ISI Thomson Reuters

2.1.1. Articole publicate în reviste cotate ISI/ calculul FI cumulat/FI preluat din JCR_Web of Science

Nr. crt.	Lucrarea publicată	**IF/ 2016**	**IF/An publicare**
1.	Thermokinetic study of CODA azoic liquid crystal and thin films deposition by matrix-assisted pulsed laser evaporation, A.Rotaru, **A.Moanţă**, C.Constantinescu, M.Dumitru, H.O.Manolea, A.Andrei, M.Dinescu, *Journal of Thermal Analysis and Calorimetry*, ONLINE FIRST, 31 octombrie 2016. scopus/ DOI:10.1007/s10973-016-5895-7	1,781	1,781/2016
2.	Elimination of some triphenylmethane dyes from aqueous solutions by Fenton reagent, M.Dragoi, **A.Moanţă**, C.Tigae, M.Dragoi, *Revista de Chimie (Bucuresti)*, 66(9), 2015, 1273-1277. web of science/ WOS:000363359700004	0,956	0,956/2015
3.	A study of the surface protective layer formed on carbon steel in water-dioxane solution containing 0.15 M NaCl in presence of an azo dye with antimicrobial activity, A.Samide, B.Tutunaru, **A.Moanţă**, C.Ionescu, C.Tigae, A.C.Vladu, *International Journal of Electrochemical Sciences*, 10(6), 2015, 4637-4653 web of science/ WOS:000358477900015	1,692	1,692/2015
4.	A new azo-ester: 4-(phenyldiazenyl)phenyl benzene sulfonate-spectral, thermal, and electrochemical behavior and its antimicrobial activity, **A.Moanţă**, C.Ionescu, M.Dragoi, B.Tutunaru, P.Rotaru, *Journal of Thermal Analysis and Calorimetry*, 120 (2), 2015, 1151-1161. web of science/ WOS:000352480800011	1,781	1,781/2015
5.	Synthesis and characterization of novel furoate azodye using spectral and thermal methods	1,781	1,781/2015

	of analysis, **A.Moanţă**, A.Samide, P.Rotaru, C.Ionescu, B.Tutunaru, *Journal of Thermal Analysis and Calorimetry*, 119 (2), 2015, 1139-1145. web of science/ WOS:000348192400044		
6.	Electrochemical study of metribuzin pesticide degradation on bismuth electrode in aqueous solution, B.Tutunaru, A.Samide, **A.Moanţă**, C.Ionescu, C.Tigae, *International Journal of Electrochemical Sciences*, 10 (1), 2015, 223-234. web of science/ WOS:000351080000003	1,692	1,692/2015
7.	Removal of Methylene Blue and Methyl Blue dyes from wastewater by electrochemical degradation, A.Samide, B.Tutunaru, C.Tigae, R.Efrem, **A.Moanţă**, M.Drăgoi, *Environment Protection Engineering*, 40 (4), 2014, 93-104. web of science/ WOS:000350193100008	0,505	0,652/2014
8.	Thermal behaviour and adsorption properties of some benzothiazole derivatives, A.Samide, P.Rotaru, C.Ionescu, B.Tutunaru, **A.Moanţă**, V.Barragan-Montero, *Journal of Thermal Analysis and Calorimetry*, 118 (2), 2014, 651-659. web of science/WOS:000344098200009	1,781	2,042/2014
9.	Synthesis and biological evaluation of some novel 4-phenyldiazenyl-4'-[(4-chlorobenzyl)oxy]biphenyl derivatives as antibacterial agents, **A. Moanţă**, *Journal of the Chilean Chemical Society*, 59 (1), 2014, 2275-2278. web of science/ WOS:000342613000006	0,429	0,353/2014
10.	Electrochemical study of haematoxylin inhibitory activity to control carbon steel corrosion in natrium nitrate solution, A.Samide, B.Tutunaru, C.Ionescu, C.Tigae, **A.Moanţă**, *International Journal of Electrochemical Sciences*, 8 (3), 2013, 3589-3601. web of science/ WOS:000316566700042	1,692	1,956/2013
11.	Spectral and thermal studies of 4-(phenyldiazenyl)phenyl 2-furoate as corrosion inhibitor for carbon steel, **A.Moanţă**, B.Tutunaru, P.Rotaru, *Journal of Thermal Analysis and Calorimetry*, 111 (2), 2013, 1273-1279. web of science/ WOS:000313409700034	1,781	2,206/2013
12.	Synthesis and characterization of an azo dye: 4-(phenyldiazenyl)phenyl 2-furoate. Electrochemical and XPS study of its adsorption and inhibitive properties on corrosion of carbon steel in saline water, **A.Moanţă**, A.Samide, C.Ionescu, B.Tutunaru, A.Fruchier, V.Barragan-Montero, A.Dobritescu, *International Journal of Electrochemical Sciences*, 8 (1), 2013, 780-796. web of science/WOS:000316562800060	1,692	1,956/2013
13.	Characteristic fragmentation patterns of some 4-(phenylazo)phenols obtained by electron impact mass spectrometry, **A.Moanţă**, *Revista de Chimie (Bucuresti)*, 63(1), 2012, 7-9. web of science/ WOS:000300866700002	0,956	0,538/2012
14.	Discoloration of waters containing azo dye Congo red by Fenton oxidation process. Estimation of activation parameters, M.Drăgoi, A.Samide, **A. Moanţă**, *Revista de Chimie (Bucuresti)*, 62(12), 2011, 1195-1198. web of science/ WOS:000298220300014	0,956	0,599/2011
15.	Structural characterization, thermal investigation and liquid crystalline behavior of 4-[(4-chlorobenzyl)oxy]-3,4'-dichloroazobenzene, **A.Moanţă**, C.Ionescu, P.Rotaru, M.Socaciu, A.Hărăbor, *Journal of Thermal Analysis and Calorimetry*, 102(3), 2010, 1079-1086. web of science/ WOS:000284433000034	1,781	1,752/2010
16.	Thermal and electron impact decomposition of 4-hydroxy-4'-cyano-azobenzene, **A.Moanţă**, C.Ionescu, B.Tutunaru, M.Drăgoi, *Revista de Chimie (Bucuresti)*, 61(7), 2010, 657-659.	0,956	0,693/2010

	web of science/ WOS:000281217000010		
17.	Thermal decomposition kinetics of some aromatic azomonoethers. Part IV. Non-isothermal kinetics of 2-allyl-4-((4-(4-methylbenzyloxy) phenyl)diazenyl) phenol in dynamic air atmosphere, A.Rotaru, **A.Moanţă**, G.Popa, P.Rotaru, E.Segal, *Journal of Thermal Analysis and Calorimetry*, 97 (2), 2009, 485-491. web of science/ WOS:000271108200018	1,781	1,587/2009
18.	A kinetic study on degradation of Methylorange process in aqueous solution, M.Dumitru, A.Samide, M.Preda**, A.Moanţă**, *Revista de Chimie (Bucureşti)*, 60 (9), 2009, 957-960. web of science/ WOS:000271002300027	0,956	0,552/2009
19.	Thermal decomposition kinetics of some aromatic azomonoethers. Part III. Non-isothermal study of 4-[(4-chlorobenzyl)oxy]-4'-chloro-azobenzene in dynamic air atmosphere, A.Rotaru, **A.Moanţă**, P.Rotaru, E.Segal, *Journal of Thermal Analysis and Calorimetry*, 95(1), 2009, 161-166. web of science/ WOS:000264326600025	1,781	1,587/2009
20.	Spectroscopic analysis and antimicrobial activity of some 4-phenylazo-phenoxyacetic acids, **A.Moanţă**, S.Radu, *Revue Roumaine de Chimie*, 54(2), 2009, 151-156. web of science/ WOS:000273926600006	0,25	0,263/2009
21.	New phenoxyacetic acid analogues with antimicrobial activity, **A.Moanţă**, S.Radu, *Revista de Chimie (Bucureşti)*, 59 (6), 2008, 708-711. web of science/ WOS:000257604600024	0,956	0,389/2008
22.	Thermal analysis and thin films deposition by matrix assisted pulsed laser evaporation of a 4CN type azomonoether, A.Rotaru, C.Constantinescu, P.Rotaru, **A.Moanţă**, M.Dumitru, M.Socaciu, M.Dinescu, E.Segal, *Journal of Thermal Analysis and Calorimetry*, 92 (1), 2008, 279-284. web of science/ WOS:000254920300045	1,781	1,63/2008
23.	Thermal decomposition kinetics of some aromatic azomonoethers. Part II. Non-isothermal study of three liquid crystals in dynamic air atmosphere, A.Rotaru, A.Kropidłowska, **A.Moanţă**, P.Rotaru, E.Segal, *Journal of Thermal Analysis and Calorimetry*, 92 (1), 2008, 233-238. web of science/ WOS:000254920300038	1,781	1,63/2008
24.	Novel azoderivatives as liquid crystals, G.Rău, **A.Moanţă**, D.G.Mogoşanu, *Revue Roumaine de Chimie*, 2008, 53(12), 2008, 1089-1095. web of science/ WOS:000266215900002	0,25	0,284/2008
25.	Thermal decomposition kinetics of some aromatic azomonoethers. 1.Decomposition of 4-[(4-chlorobenzyl)oxy]-4'-nitro-azobenzene, A.Rotaru, **A.Moanţă**, I.Sălăgeanu, P.Budrugeac, E.Segal, *Journal of Thermal Analysis and Calorimetry*, 87 (2), 2007, 395-400. web of science/ WOS:000244313900019	1,781	1,483/2007
26.	Studiul proprietăţilor spectrale şi determinarea activităţii biologice pentru o serie de 4-[(4-clorobenzil)oxi]-azobenzeni, **A.Moanţă**, S.Radu, G.Rău, *Revista de Chimie (Bucureşti)*, 58 (2), 2007, 229-231. web of science/ WOS:000245736800022	0,956	0,261/2007
27.	Kinetic study of thermal decomposition of some aromatic ortho-chlorinated azomonoethers. 1. Decomposition of 4[(2-chlorobenzyl)oxi]-4'-trifluoromethyl-azobenzene, A.Rotaru, B.Jurca, **A.Moanţă**, I.Sălăgeanu, E.Segal, Revue Roumaine de Chimie, 51(5), 2006, 373-378. web of science/ WOS:000242065500003	0,25	0,208/2006

28.	Sinteza şi caracterizarea unor 4-[(4-clorobenzil)oxi]-azobenzeni, S.Radu, A.Moanţă, G.Rău, *Revista de Chimie (Bucureşti)*, 52 (11), 2001, 619-622. web of science/ WOS:000173517000001	0,956	0,163/2001
29.	Synthesis and characterization of new 4-(phenylazo)phenoxy acetic acids, S.Radu, M.Băniceru, **A.Jianu**, G.Rău, *Revue Roumaine de Chimie*, 46 (1), 2001, 63-68. web of science/ WOS:000172611000009	0,25	0,229/2001
30.	Aromatic azomonoethers as new organic materials for nonlinear optics, S.Radu, C.Şarpe-Tudoran, **A.Jianu**, G.Rău, *Revue Roumaine de Chimie*, 43 (8), 1998, 735-739. web of science/ WOS:000079039100008	0,25	0,193/1998
IF TOTAL		**36,19**	**32,889**

2.1.2. Articole publicate în reviste internaționale cotate ISI

Nr. crt.	Lucrarea publicată	IF/ 2016	IF/An publicare
1.	Thermokinetic study of CODA azoic liquid crystal and thin films deposition by matrix-assisted pulsed laser evaporation, A.Rotaru, **A.Moanţă**, C.Constantinescu, M.Dumitru, H.O.Manolea, A.Andrei, M.Dinescu, *Journal of Thermal Analysis and Calorimetry*, ONLINE FIRST, 31 octombrie 2016. scopus/ DOI:10.1007/s10973-016-5895-7	1,781	1,781/2016
2.	A study of the surface protective layer formed on carbon steel in water-dioxane solution containing 0.15 M NaCl in presence of an azo dye with antimicrobial activity, A.Samide, B.Tutunaru, **A.Moanţă**, C.Ionescu, C.Tigae, A.C.Vladu, *International Journal of Electrochemical Sciences*, 10(6), 2015, 4637-4653 web of science/ WOS:000358477900015	1,692	1,692/2015
3.	A new azo-ester: 4-(phenyldiazenyl)phenyl benzene sulfonate-spectral, thermal, and electrochemical behavior and its antimicrobial activity, **A.Moanţă**, C.Ionescu, M.Dragoi, B.Tutunaru, P.Rotaru, *Journal of Thermal Analysis and Calorimetry*, 120 (2), 2015, 1151-1161. web of science/ WOS:000352480800011	1,781	1,781/2015
4.	Synthesis and characterization of novel furoate azodye using spectral and thermal methods of analysis, **A.Moanţă**, A.Samide, P.Rotaru, C.Ionescu, B.Tutunaru, *Journal of Thermal Analysis and Calorimetry*, 119 (2), 2015, 1139-1145. web of science/ WOS:000348192400044	1,781	1,781/2015
5.	Electrochemical study of metribuzin pesticide degradation on bismuth electrode in aqueous solution, B.Tutunaru, A.Samide, **A.Moanţă**, C.Ionescu, C.Tigae, *International Journal of Electrochemical Sciences*, 10 (1), 2015, 223-234. web of science/ WOS:000351080000003	1,692	1,692/2015
6.	Removal of Methylene Blue and Methyl Blue dyes from wastewater by electrochemical degradation, A.Samide, B.Tutunaru, C.Tigae, R.Efrem, **A.Moanţă**, M.Drăgoi, *Environment Protection Engineering*, 40 (4), 2014, 93-104. web of science/ WOS:000350193100008	0,505	0,652/2014
7.	Thermal behaviour and adsorption properties of some benzothiazole derivatives, A.Samide, P.Rotaru, C.Ionescu, B.Tutunaru, **A.Moanţă**, V.Barragan-Montero, *Journal of Thermal Analysis and Calorimetry*, 118 (2), 2014, 651-659. web of science/WOS:000344098200009	1,781	2,042/2014
8.	Synthesis and biological evaluation of some novel 4-phenyldiazenyl-4'-[(4-chlorobenzyl)oxy]biphenyl derivatives as antibacterial agents, **A. Moanţă**, *Journal of the Chilean Chemical Society*, 59 (1), 2014, 2275-2278.	0,429	0,353/2014

	web of science/ WOS:000342613000006		
9.	Electrochemical study of haematoxylin inhibitory activity to control carbon steel corrosion in natrium nitrate solution, A.Samide, B.Tutunaru, C.Ionescu, C.Tigae, **A.Moanţă**, *International Journal of Electrochemical Sciences*, 8 (3), 2013, 3589-3601. web of science/ WOS:000316566700042	1,692	1,956/2013
10.	Spectral and thermal studies of 4-(phenyldiazenyl)phenyl 2-furoate as corrosion inhibitor for carbon steel, **A.Moanţă**, B.Tutunaru, P.Rotaru, *Journal of Thermal Analysis and Calorimetry*, 111 (2), 2013, 1273-1279. web of science/ WOS:000313409700034	1,781	2,206/2013
11.	Synthesis and characterization of an azo dye: 4-(phenyldiazenyl)phenyl 2-furoate. Electrochemical and XPS study of its adsorption and inhibitive properties on corrosion of carbon steel in saline water, **A.Moanţă**, A.Samide, C.Ionescu, B.Tutunaru, A.Fruchier, V.Barragan-Montero, A.Dobritescu, *International Journal of Electrochemical Sciences*, 8 (1), 2013, 780-796. web of science/WOS:000316562800060	1,692	1,956/2013
12.	Structural characterization, thermal investigation and liquid crystalline behavior of 4-[(4-chlorobenzyl)oxy]-3,4'-dichloroazobenzene, **A.Moanţă**, C.Ionescu, P.Rotaru, M.Socaciu, A.Hărăbor, *Journal of Thermal Analysis and Calorimetry*, 102(3), 2010, 1079-1086. web of science/ WOS:000284433000034	1,781	1,752/2010
13.	Thermal decomposition kinetics of some aromatic azomonoethers. Part IV. Non-isothermal kinetics of 2-allyl-4-((4-(4-methylbenzyloxy) phenyl)diazenyl) phenol in dynamic air atmosphere, A.Rotaru, **A.Moanţă**, G.Popa, P.Rotaru, E.Segal, *Journal of Thermal Analysis and Calorimetry*, 97 (2), 2009, 485-491. web of science/ WOS:000271108200018	1,781	1,587/2009
14.	Thermal decomposition kinetics of some aromatic azomonoethers. Part III. Non-isothermal study of 4-[(4-chlorobenzyl)oxy]-4'-chloro-azobenzene in dynamic air atmosphere, A.Rotaru, **A.Moanţă**, P.Rotaru, E.Segal, *Journal of Thermal Analysis and Calorimetry*, 95(1), 2009, 161-166. web of science/ WOS:000264326600025	1,781	1,587/2009
15.	Thermal analysis and thin films deposition by matrix assisted pulsed laser evaporation of a 4CN type azomonoether, A.Rotaru, C.Constantinescu, P.Rotaru, **A.Moanţă**, M.Dumitru, M.Socaciu, M.Dinescu, E.Segal, *Journal of Thermal Analysis and Calorimetry*, 92 (1), 2008, 279-284. web of science/ WOS:000254920300045	1,781	1,63/2008
16.	Thermal decomposition kinetics of some aromatic azomonoethers. Part II. Non-isothermal study of three liquid crystals in dynamic air atmosphere, A.Rotaru, A.Kropidłowska, **A.Moanţă**, P.Rotaru, E.Segal, *Journal of Thermal Analysis and Calorimetry*, 92 (1), 2008, 233-238. web of science/ WOS:000254920300038	1,781	1,63/2008
17.	Thermal decomposition kinetics of some aromatic azomonoethers. 1.Decomposition of 4-[(4-chlorobenzyl)oxy]-4'-nitro-azobenzene, A.Rotaru, **A.Moanţă**, I.Sălăgeanu, P.Budrugeac, E.Segal, *Journal of Thermal Analysis and Calorimetry*, 87 (2), 2007, 395-400. web of science/ WOS:000244313900019	1,781	1,483/2007
IF TOTAL		**27,29**	**27,561**

2.2. Proiecte de cercetare pe bază de contract/grant obţinute prin competiţie naţională
2.2.2. Proiecte de cercetare pe bază de contract/grant obţinute prin competiţie naţională ca membru în echipa de cercetare

1.„Monostraturi organice auto-adsorbite pe suprafeţe metalice. Reacţii la interfaţa metal/electrolit" PN II Program IDEI 2008 Proiecte de cercetare exploratorie, con CNCSIS 422, **membru în echipa de cercetare**.

A2 = 30 + 2

A3. Recunoaşterea impactului activităţii

3.1. Citări în bazele de date (web of science; scopus; google scholar)

3.1.1. Citări în reviste cotate ISI

3.1.2. Citări în reviste BDI

Nr. Publ	Referinţa bibliografică a publicaţiei care citează	Baza de date
A study of the surface protective layer formed on carbon steel in water-dioxane solution containing 0.15 M NaCl in presence of an azo dye with antimicrobial activity, A.Samide, B.Tutunaru, **A.Moanţă**, C.Ionescu, C.Tigae, A.C.Vladu, *International Journal of Electrochemical Sciences*, 2015, 10 (6), 4637-4653. **2 citări (2ISI)**		
1	Eurovanillin thermal behaviour and its inhibitory properties on carbon steel corrosion in weakly acidic environments, A.Samide, B.Tutunaru, Journal of Thermal Analysis and Calorimetry, DOI:10.1007/s10973-016-5920-x, ONLINE FIRST, 2016. google scholar	ISI
2	The quantitative effect of Mo and Cu on the stress corrosion cracking and pitting corrosion behavior of ultra-pure ferritic stainless steels, W.Wu, Y.Guo, H.Yu, Y.Jiang, J.Li, International Journal of Electrochemical Science, 10, 10689 – 10702, 2015. web of science	ISI
Synthesis and characterization of novel furoate azodye by using spectral and thermal methods of analysis, **A.Moanţă**, A.Samide, P.Rotaru, C.Ionescu, B.Tutunaru, *Journal of Thermal Analysis and Calorimetry*, 2015, 119 (2), 1139-1145. **1 citare (1ISI)**		
3	Thermal and kinetic study of hexagonal boric acid versus triclinic boric acid in air flow, A.Rotaru, Journal of Thermal Analysis and Calorimetry, DOI: 10.1007/s10973-016-5583-7, ONLINE FIRST, 2016. google scholar	ISI
Electrochemical study of metribuzin pesticide degradation on bismuth electrode in aqueous solution, B.Tutunaru, A.Samide, **A.Moanţă**, C.Ionescu, C.Tigae, *International Journal of Electrochemical Science*, 10 (1), 223-234, 2015. **6 citări (6ISI)**		
4	Sensitive electrochemical sensor for the determination of folic acid based on a bismuth-film electrode, M.Stepankova, R.Šelešovská, L.Janíková, J.Chýlková, I.Svankara, Monatshefte fur Chemie – Chemical Monthly, DOI: 10.1007/s00706-016-1849-9, 2016. google scholar	ISI
5	Catalytic activity of thallium on electrochemical degradation of metronidazole from aqueous solutions, A.Samide, B.Tutunaru, N.Cioateră, A.C.Vladu, C.Spînu, C.Tigae, Chemical Engineering Communications, 203 (12), 1572-1581, 2016. web of science	ISI
6	Electrochemical behavior of metribuzin based on l-Norvaline modified electrode and its sensitive determination, D.Jia, L.Wang, Y.Gao, L.Zou, B.Ye, Journal of Electroanalytical Chemistry, 764, 56-63, 2016. Scopus	ISI
7	Sensitive voltammetric method for determination of herbicide metribuzin using silver solid amalgam electrode, L.Janíková, R.Šelešovská, M.Rogozinská, M.Tomášková, J.Chýlková, Monatshefte fur Chemie – Chemical Monthly, 147 (1), 219-229, 2016. web of science	ISI
8	Synthesis, characterization, and controlled release study of polyurea microcapsules containing metribuzin herbicide, D.K.Patil, D.S.Agrawal, R.R. Mahire, D.H.More, Russian Journal of Applied Chemistry, 88(10), 1692-1700, 2015. web of science	ISI
9	Electrochemical synthesis of periodate combined with indirect oxidation of chlorine on RuO_x/Ti electrode, D.Kong, P.Wan, Y.Chen, Z.U.H.Khan, Y.Tang, International Journal of Electrochemical Science, 10(8), 6422-6432, 2015. Scopus	ISI
A new azo-ester: 4-(phenyldiazenyl)phenyl benzene sulfonate-spectral, thermal, and electrochemical behavior and its antimicrobial activity, **A.Moanţă**, C.Ionescu, M.Dragoi, B.Tutunaru, P.Rotaru, *Journal of Thermal Analysis and Calorimetry*, 2015, 120 (2), 1151-1161. **1 citare (1ISI)**		

10	Synthesis, structural characterization and thermal studies of a novel reagent 1-[(5-benzyl-1,3-thiazol-2-yl)diazenyl]naphtalene-2-ol, A.Tupys, J.Kalembkiewicz, Y.Ostapiuk, L.Byczynski, Journal of Thermal Analysis and Calorimetry, ONLINE FIRST, 2016. google scholar	ISI
Thermal behaviour and adsorption properties of some benzothiazole derivatives, A.Samide, P.Rotaru, C.Ionescu, B.Tutunaru, **A.Moanţă**, V.Barragan-Montero, *Journal of Thermal Analysis and Calorimetry*, 118 (2), 651-659, 2014. **3 citări (3ISI)**		
11	Eurovanillin thermal behaviour and its inhibitory properties on carbon steel corrosion in weakly acidic environments, A.Samide, B.Tutunaru, Journal of Thermal Analysis and Calorimetry, DOI: 10.1007/s10973-016-5920-x, ONLINE FIRST, 2016. google scholar	ISI
12	Electrochemical and theoretical study of metronidazole drug as inhibitor for copper corrosion in hydrochloric acid solution, A.Samide, B.Tutunaru, A.Dobrițescu, P.Ilea, A.C.Vladu, C.Tigae, International Journal of Electrochemical Science, 11, 5520 – 5534, 2016. Web of science	ISI
13	Condition monitoring of transformer oil using thermal analysis and other techniques, S.Degeratu, P.Rotaru, S.Rizescu, S.Danoiu, N.G.Bizdoaca, L.I.Alboteanu, H.O.Manolea, Journal of Thermal Analysis and Calorimetry, 119(3), 1679-1692, 2015. web of science	ISI
Removal of Methylene Blue and Methyl Blue dyes from wastewater by electrochemical degradation, A.Samide, B.Tutunaru, C.Tigae, R.Efrem, **A.Moanţă**, M.Drăgoi, *Environment Protection Engineering*, 2014, 40 (4), 93-104. **1 citare (1ISI)**		
14	Catalytic activity of thallium on electrochemical degradation of metronidazole from aqueous solutions, A.Samide, B.Tutunaru, N.Cioateră, A.C.Vladu, C.Spînu, C.Tigae, Chemical Engineering Communications, 203 (12), 1572-1581, 2016. web of science	ISI
Spectral and thermal studies of 4-(phenyldiazenyl)phenyl 2-furoate as corrosion inhibitor for carbon steel, **A.Moanţă**, B.Tutunaru, P.Rotaru, *Journal of Thermal Analysis and Calorimetry*, 2013, 111 (2), 1273-1279 **3 citări (2ISI, 1BDI)**		
15	Condition monitoring of transformer oil using thermal analysis and other techniques, S.Degeratu, P.Rotaru, S.Rizescu, S.Danoiu, N.G.Bizdoaca, L.I.Alboteanu, H.O.Manolea, Journal of Thermal Analysis and Calorimetry, 119(3), 1679-1692, 2015. web of science	ISI
16	Aminophylline: thermal characterization and its inhibitory properties for the carbon steel corrosion in acidic environment, A.Samide, B.Tutunaru, C.Ionescu, P.Rotaru, L.Simoiu, Journal of Thermal Analysis and Calorimetry, 118(2), 631-639, 2014. web of science	ISI
17	The adsorption behavior of thiazole on the surface of carbon steel in heterogeneous solution, J.Z.Ai, Advanced Materials Researches, 1010-1012, 1740-1744, 2014. Scopus	BDI
Electrochemical study of haematoxylin inhibitory activity to control carbon steel corrosion in natrium nitrate solution, A.Samide, B.Tutunaru, C.Ionescu, C.Tigae, **A.Moanţă**, *International Journal of Electrochemical Sciences*, 2013, 8 (3), 3589-3601 **2 citări (2ISI)**		
18	Aminophylline: thermal characterization and its inhibitory properties for the carbon steel corrosion in acidic environment, A.Samide, B.Tutunaru, C.Ionescu, P.Rotaru, L.Simoiu, Journal of Thermal Analysis and Calorimetry, 118(2), 631-639, 2014. web of science	ISI
19	Quinine sulfate: a pharmaceutical product as effective corrosion inhibitor for carbon steel in hydrochloric acid solution, A.Samide, B.Tutunaru, Central European Journal of Chemistry, 12(9), 901-908, 2014. web of science	ISI
Synthesis and characterization of an azo dye: 4-(phenyldiazenyl)phenyl 2-furoate. Electrochemical and XPS study of its adsorption and inhibitive properties on corrosion of carbon steel in saline water, **A.Moanţă**, A.Samide, C.Ionescu, B.Tutunaru, A.Fruchier, V.Barragan-Montero, A.Dobritescu, *International Journal of Electrochemical Sciences*, 2013, 8 (1), 780-796 **2 citări (2ISI)**		
20	Quinine sulfate: a pharmaceutical product as effective corrosion inhibitor for carbon steel in hydrochloric acid solution, A.Samide, B.Tutunaru, Central European Journal of Chemistry, 12(9), 901-908, 2014. web of science	ISI
21	Better corrosion management in sodium chloride solution of some pieces obtained from metallurgical iron powder ancorsteel 1000B using cadmium and zinc coatings to protect underlying substrate, A.Samide, B.Tutunaru, A.Didu, C.Luculescu, C.Tigae, C.Spînu, M.Preda, International Journal of Electrochemical Science, 8 (4), 5108 – 5120, 2013. web of science	ISI
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22	Structure activity relationship and quantitative structure-activity relationships modeling of cyto-toxicity of phenothiazine derivatives, A.Zineb, B.Salah, M.Nadjib, B.Salima, B.Lotfi, Quantum Matter, 5(1), 124-129, 2016. google scholar	BDI
23	Researches concerning the synthesis, physico-chemical and liquid crystal properties of new	ISI

	azomonoetheramides, G.Rau, D.C.Amzoiu, A.M.Stoian, C.E.Stanciulescu, C.G.Pisoschi, Revista de Chimie (București), 66 (1), 131-136, 2015. web of science	
Discoloration of waters containing azo dye Congo red by Fenton oxidation process. Estimation of activation parameters, M.Drăgoi, A.Samide, **A. Moanță**, *Revista de Chimie (Bucuresti)*, 2011, 62(12), 1195-1198 **1citare(1ISI)**		
24	Catalytic wet oxidation of phenol wit hydrogen peroxide over modified clay minerals, N.Platon, I.Siminiceanu, I.D.Nistor, M.Silion, C.Jinescu, M.Harrouna, A.Azzouz, Revista de Chimie (Bucuresti), 64(12), 1459-1464, 2013. web of science	ISI
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25	Thermal and kinetic study of hexagonal boric acid versus triclinic boric acid in air flow, A.Rotaru, Journal of Thermal Analysis and Calorimetry, ONLINE FIRST, DOI: 10.1007/s10973-016-5583-7, 2016. google scholar	ISI
26	Transient Hg, Ba^{+}, Ca^{+} and Y^{+} optical emission lines of a mercury HID lamp exposed to X-ray: thermal analysis of the tungsten electrode with emissive mixture based on barium, calcium and yttrium, N.A.Harabor, A.Harabor, P.Rotaru, Plasma Chemistry and Plasma Processing, ONLINE FIRST, DOI: 10.1007/s11090-016-9756-8, 2016. google scholar	ISI
27	Thermal behaviour of CODA azoic dye liquid crystal and nanostructuring by drop cast and spin coating techniques, A.Rotaru, M.Dumitru, Journal of Thermal Analysis and Calorimetry, ONLINEFIRST, DOI: 10.1007/s10973-016-5599-z, ONLINE FIRST, 2016. google scholar	ISI
28	Condition monitoring of transformer oil using thermal analysis and other techniques, S.Degeratu, P.Rotaru, S.Rizescu, S.Danoiu, N.G.Bizdoaca, L.I.Alboteanu, H.O.Manolea, Journal of Thermal Analysis and Calorimetry, 119(3), 1679-1692, 2015. web of science	ISI
29	Non-conventional hexagonal structure for boric acid, A.Hărăbor, P.Rotaru, R.I.Scorei, N.A.Hărăbor, Journal of Thermal Analysis and Calorimetry, 118 (2), 1375-1384, 2014. web of science	ISI
30	Two phases in a commercial anhydrous sodium carbonate by air contact, A.Harabor,P.Rotaru, N.A.Harabor, Physiscs AUC, 23, 79-88, 2013. Scopus	BDI
31	Thermal properties, texture, second-order stress, and magnetic susceptibility of the $Bi_{1.8}Pb_{0.3}Sr_2Ca_2Cu_{3.3}O_x$, A.Hărăbor, P.Rotaru, N.A.Hărăbor, Journal of Thermal Analysis and Calorimetry, 118(1), 227-234, 2013. web of science	ISI
32	Thermal and spectral behaviour of a light-cured methacrylate-based composite material used in dentistry, H.O.Manolea, P.Rotaru, G.Manolea, E.Morîntale, R.Rîcă, Journal of Thermal Analysis and Calorimetry, 114(3), 1325-1331, 2013. web of science	ISI
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A3 = 0,5x148 + 0,5x22 = 85

09.01.2017 Lector Dr. Moanță Anca Ionela