



ROMÂNIA  
UNIVERSITATEA BABEȘ-BOLYAI CLUJ-NAPOCA

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RECTORATUL

## Universitatea Babeș-Bolyai Competiția Excelenței 2010

### Dosar individual

**Notă: Toate datele se referă la perioada 2005-2009**

<b>Nume, prenume, grad did.</b>	<b>SILAGHI-DUMITRESCU LUMINITA</b>
<b>Facultatea, Catedra</b>	Chimie si inginerie chimica, catedra de chimie organica
<b>Domeniul științific</b>	chimie
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### Criteriaul I – Output

#### 1. Articole științifice publicate în reviste indexate ISI (cu menționare factorului de impact în cazul celor cotate)

22:

Antiproliferative effect and genotoxicity of novel synthesized palladium complexes with organoarsenic ligands. Miklasova, Natalia; Fischer-Fodor, Eva; Loennecke, Peter; Schrepler, Maria Perde; Virag, Piroaska; Tatomir, Corina; Cernea, Valentin Ioan; Hey-Hawkins, Evamarie; Silaghi-Dumitrescu, Luminita. Department of Chemical Theory of Drugs, Faculty of Pharmacy, Comenius University in Bratislava, Bratislava, Slovakia. *Journal of Inorganic Biochemistry* (2009), 103(12), 1739-1747. fi=3.188

Stabilisation of an inorganic digallane by the phosphinobisthiolato P,S,S pincer ligand PPh(2-SC<sub>6</sub>H<sub>4</sub>)<sub>2</sub>. Valean, Ana-Maria; Gomez-Ruiz, Santiago; Loennecke, Peter; Silaghi-Dumitrescu, Ioan; Silaghi-Dumitrescu, Luminita; Hey-Hawkins, Evamarie. Faculty of Chemistry and Chemical Engineering, Babeș-Bolyai University, Cluj-Napoca, Rom. *New Journal of Chemistry* (2009), 33(8), 1771-1779. fi=2.942

N,N' and N,O chelated phosphonium cations containing aminotroponimate or aminotroponate units. Pop, Lucian-Cristian; Katir, Nadia; Castel, Annie; Silaghi-Dumitrescu, Luminita; Delpech, Fabien; Silaghi-Dumitrescu, Ioan; Gornitzka, Heinz; MacLeod-Carey, Desmond; Saffon, Nathalie. Laboratoire Heterochimie Fondamentale et Appliquee, UMR/CNRS 5069, Universite Paul Sabatier, Toulouse, Fr. *Journal of Organometallic Chemistry* (2009), 694(9-10), 1562-1566. fi=1.866

vic-Dichlorodiphosphapropenes - synthesis and coordination ability. Septelean, Raluca; Nemes, Gabriela; Escudie, Jean; Silaghi-Dumitrescu, Ioan; Ranaivonjatovo, Henri; Petrar, Petronela; Gornitzka, Heinz; Silaghi-Dumitrescu, Luminita; Saffon, Nathalie. Facultatea de Chimie si Inginerie Chimica, Universitatea Babeș-Bolyai, Cluj-Napoca, Rom. *European Journal of Inorganic Chemistry* (2009), (5), 628-634. fi=2.694

The CellScan technology for in vitro studies on novel platinum complexes with organoarsenic ligands. Fischer-Fodor, Eva; Moldovan, Natalia; Virag, Piroaska; Soritau, Olga; Brie, Ioana; Loennecke, Peter; Hey-Hawkins, Evamarie; Silaghi-Dumitrescu, Luminita. Tumor Biology Laboratory, Research Department, I. Chiricuta Cancer Institute, Cluj Napoca, Rom. *Dalton Transactions* (2008), (45), 6393-6400.

Publisher: Royal Society of Chemistry, CODEN: DTARAF ISSN: 1477-9226. Journal written in English. CAN 150:136247 AN 2008:1355709 CAPLUS (Copyright (C) 2010 ACS on SciFinder (R)) fi=3.58

When Arsine Makes the Difference: Chelating Phosphino and Bridging Arsinoarylthiolato Gallium Complexes. Valean, Ana Maria; Gomez-Ruiz, Santiago; Lonnecke, Peter; Silaghi-Dumitrescu, Ioan; Silaghi-Dumitrescu, Luminita; Hey-Hawkins, Evamarie. Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University, Cluj-Napoca, Rom. Inorganic Chemistry (Washington, DC, United States) (2008), 47(23), 11284-11293 fi=4.147

Meso-tetraferrocenyl-tetramethylcalix[4]pyrrole-modified graphite electrode with anion recognition properties. Coman, Vasile; Muresan, Liana M.; Lozovanu, Silvia; Silaghi-Dumitrescu, Luminita; Popescu, Ionel Catalin. Department of Physical Chemistry, Faculty of Chemistry and Chemical Engineering, "Babes-Bolyai" University, Cluj-Napoca, Rom. Revue Roumaine de Chimie (2008), 53(2), 119-125 fi=0.284

Tungsten phosphanylarylthiolato complexes  $[W\{PhP(2-SC_6H_4)_2-k\}3S,S',P\}2]$  and  $[W\{P(2-SC_6H_4)_3-k\}4S,S',S'',P\}2]$ : Synthesis, structures and redox chemistry. Hildebrand, Alexandra; Loennecke, Peter; Silaghi-Dumitrescu, Luminita; Hey-Hawkins, Evamarie. Department of Chemistry, Babes-Bolyai University, Cluj-Napoca, Rom. Dalton Transactions (2008), (34), 4639-4646. fi=3.58

Silatropic migration in (1-trimethylsilylindenyl)(indenyl)dimethylsilane, bis(1-trimethylsilylindenyl)dimethylsilane and related compounds. Nemes, Gabriela; Silaghi-Dumitrescu, Luminita; Silaghi-Dumitrescu, Ioan; Escudie, Jean; Ranaivonjatovo, Henri; Zukerman-Schpector, Julio. Faculty of Chemistry, "Babes-Bolyai" University, Cluj-Napoca, Rom. Revue Roumaine de Chimie (2007), 52(8-9), 809-816 fi=0.284

Palladium(II) and Platinum(II) Complexes with Heteroditopic 10-(Aryl)phenoxarsine (Aryl = 2-C<sub>6</sub>H<sub>4</sub>OR, R = H, Me, Pri) Ligands: Solvent-Oriented Crystallization of cis Isomers. Moldovan, Natalia; Loennecke, Peter; Silaghi-Dumitrescu, Ioan; Silaghi-Dumitrescu, Luminita; Hey-Hawkins, Evamarie. Department of Chemistry, Babes-Bolyai University, Cluj-Napoca, Rom. Inorganic Chemistry (Washington, DC, United States) (2008), 47(5), 1524-1531. fi=4.147

New Digermylalkenes and Digermylalkynes: [1,3]-Chlorine Shifts in Organogermanium Chemistry? Nemes, Gabriela; Escudie, Jean; Silaghi-Dumitrescu, Ioan; Ranaivonjatovo, Henri; Silaghi-Dumitrescu, Luminita; Gornitzka, Heinz. Facultatea de Chimie si Inginerie Chimica, Universitatea Babes-Bolyai, Cluj-Napoca, Rom. Organometallics (2007), 26(21), 5136-5139 fi=3.815

Synthesis and characterization of the first arsanylbis(methylene)phosphorane (Me<sub>3</sub>Si)<sub>2</sub>C:P(Mes\*)<sub>2</sub>:C(Cl)As(F)Mes\*. Petrar, Petronela Maria; Nemes, Gabriela; Silaghi-Dumitrescu, Luminita; Silaghi-Dumitrescu, Ioan; Escudie, Jean; Gornitzka, Heinz; Ranaivonjatovo, Henri. Department of Chemistry, Babes-Bolyai University, Cluj-Napoca, Rom. Revue Roumaine de Chimie (2007), 52(1-2), 45-49 fi=0.284

Phosphavinylidene(oxo)phosphorane Mes\*P(O):C:PMes\*: a diphosphaallene featuring 1 5s 3- and 1 3s 2-phosphorus atoms. Septelean, Raluca; Ranaivonjatovo, Henri; Nemes, Gabriela; Escudie, Jean; Silaghi-Dumitrescu, Ioan; Gornitzka, Heinz; Silaghi-Dumitrescu, Luminita; Massou, Stephane. Babes-Bolyai University, Cluj-Napoca, Rom. European Journal of Inorganic Chemistry (2006), (21), 4237-4241 fi=2.694

Co-complexes of ortho-dilithiated thiophenol or 2-trimethylsilylthiophenol with lithiated TMEDA molecules: synthesis, crystal structures and theoretical studies (TMEDA = N,N,N',N'-tetramethylethylenediamine). Hildebrand, Alexandra; Loennecke, Peter; Silaghi-Dumitrescu, Luminita; Silaghi-Dumitrescu, Ioan; Hey-Hawkins, Evamarie. Department of Chemistry, Babes-Bolyai University, Cluj-Napoca, Rom. Dalton Transactions (2006), (7), 967-974. fi=3.58

A surprisingly stable 1-(chlorosilyl)-2-phosphaethenyllithium compound, RCl<sub>2</sub>SiC(Li):PMes\*. Nemes, Gabriela Cretiu; Ranaivonjatovo, Henri; Escudie, Jean; Silaghi-Dumitrescu, Ioan; Silaghi-

Dumitrescu, Luminita; Gornitzka, Heinz. Facultatea de Chimie si Inginerie Chimica, Universitatea Babes-Bolyai Cluj, Cluj-Napoca, Rom. *European Journal of Inorganic Chemistry* (2005), (6), 1109-1113. fi=3.58

Difluorenylsilanes, -germanes, and -stannanes Exhibiting an Unprecedented Parallel Arrangement of the Fluorene Units. Nemes, Gabriela Cretiu; Silaghi-Dumitrescu, Luminita; Silaghi-Dumitrescu, Ioan; Escudie, Jean; Ranaivonjatovo, Henri; Molloy, Kieran C.; Mahon, Mary F.; Zukerman-Schpector, Julio. Department of Chemistry, Babes-Bolyai University, Cluj-Napoca, Rom. *Organometallics* (2005), 24(6), 1134-1144 fi=3.815

The first evidence for a transient stibaallene ArSbCCR<sub>2</sub>. Baiget, Lise; Ranaivonjatovo, Henri; Escudie, Jean; Nemes, Gabriela Cretiu; Silaghi-Dumitrescu, Ioan; Silaghi-Dumitrescu, Luminita. *Heterochimie Fondamentale et Appliquee, UMR 5069, Universite Paul Sabatier, Toulouse, Fr. Journal of Organometallic Chemistry* (2005), 690(2), 307-312 fi=1.866

Sonochemical synthesis of some chalconetricarbonyliron(0) complexes. Gaina, Luiza; Iftimia, Andreea; Surducan, Mihai; Cristea, Castelia; Silaghi-Dumitrescu, Luminita. Facultatea de Chimie si Inginerie Chimica, Universitatea Babes-Bolyai, Cluj-Napoca, Rom. *Studia Universitatis Babes-Bolyai, Chemia* (2008), 53(4), 35-41.

Towards new double-bonded organophosphorus derivatives of C:P:C:P type. Nemes, Gabriela; Septelean, Raluca; Petrar, Petronela M.; Silaghi-Dumitrescu, Luminita; Silaghi-Dumitrescu, Ioan. Facultatea de Chimie si Inginerie Chimica, Universitatea Babes-Bolyai, Cluj-Napoca, Rom. *Studia Universitatis Babes-Bolyai, Chemia* (2007), 52(4), 89-94

The formylation of bis-(N-alkyl-phenothiazinyl)-methane; a theoretical approach. Porumb, Dan; Silaghi-Dumitrescu, Ioan; Gaina, Luiza; Silaghi-Dumitrescu, Luminita; Cristea, Castelia; Cormos, Gabriela. Faculty of Chemistry and Chemical Engineering, Organic Chemistry Department, "Babes-Bolyai" University, Cluj-Napoca, Rom. *Studia Universitatis Babes-Bolyai, Chemia* (2007), 52(4), 39-42

Electronic properties of chalcones containing phenothiazine units. Lovasz, Tamas; Oltean, Gabriel; Toma, Ana-Maria; Gaina, Luiza; Silaghi-Dumitrescu, Luminita; Jitaru, Maria; Cristea, Castelia; Sohar, Pal; Csampai, Antal. Faculty of Chemistry and Chemical Engineering, "Babes-Bolyai" University Cluj-Napoca, Rom. *Studia Universitatis Babes-Bolyai, Chemia* (2007), 52(4), 31-37.

Microwave-assisted synthesis and electrochemical behaviour of phenothiazine-formaldehyde polymer derivative. Cristea, Castelia; Cormos, Gabriela; Gaina, Luiza; Silaghi-Dumitrescu, Luminita; Gligor, Delia; Muresan, Liana; Popescu, Ionel Catalin. Faculty of Chemistry and Chemical Engineering, "Babes-Bolyai" University, Cluj-Napoca-Ro, Rom. *Studia Universitatis Babes-Bolyai, Chemia* (2007), 52(4), 21-29

## **2. Articole științifice publicate în ISI proceedings**

## **3. Articole științifice indexate în BDI (din lista CNCSIS)**

Secondary interactions in heteroallenic systems with P:C-E units. Nemes, G.; Silaghi-Dumitrescu, I.; Petrar, P. M.; Septelean, R.; Silaghi-Dumitrescu, L.. Facultatea de Chimie si Inginerie Chimica, Universitatea Babes-Bolyai, Cluj-Napoca, Rom. *Studia Universitatis Babes-Bolyai, Chemia* (2007), 52(1), 3-9

Synthesis of new bromo-stannanes: toward unsaturated tin derivatives. Petrar, Petronela Maria; Nemes, Gabriela; Silaghi-Dumitrescu, Ioan; Silaghi-Dumitrescu, Luminita. Facultatea de Chimie si Inginerie Chimica, Universitatea Babes-Royal, Cluj-Napoca, Rom. *Studia Universitatis Babes-Bolyai, Chemia* (2006), 51(2), 35-40

A quantum chemical conformational analysis of p-tert-butyl/pentyl/octyl-calix[8]arenes. Lupan, Alexandru; Saponar, Alina; Silaghi-Dumitrescu, Ioan; Kun, Attila; Silaghi-Dumitrescu, Luminita;

Popovici, Elisabeth Jeanne. Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University, Cluj-Napoca, Rom. Studia Universitatis Babes-Bolyai, Chemia (2006), 51(2), 27-34.

New halo compounds of silicon and tin, potential precursors of  $>E=C=P$ - heteroallenic systems.  
Petrar, Petronela Maria; Nemes, Gabriela; Silaghi-Dumitrescu, Ioan; Silaghi-Dumitrescu, Luminita.  
Department of Chemistry, "Babes-Bolyai" University, Cluj-Napoca, Rom. Studia Universitatis Babes-Bolyai, Chemia (2006), 51(1), 77-82

**4. Alte articole științifice/capitole publicate în reviste/volume cu referenți (peer-reviewed)**

**5. Cărți științifice publicate în edituri internaționale**

**6. Cărți științifice publicate în edituri naționale acreditate**

**7. Editor de volume publicate în edituri naționale și internaționale**

**8. Brevete internaționale**

**9. Brevete naționale**

**10. Impact tehnologic al brevetelor: resurse financiare extrabugetare atrase în relație cu economia**

**11. Realizări artistice naționale și internaționale (Domeniul Arte)**  
(Expoziții, spectacole, concerte, publicații, filme, înregistrări)

## **Criteriul II – Prestigiu profesional**

### **1. Citări ale articolelor ISI listate la Criteriul I**

#### **25**

Lukáč, M., Mrva, M., Fischer-Fodor, E., Lacko, I., Bukovský, M., Miklášová, N., Ondriska, F., Devinsky, F.

Synthesis and biological activity of dialkylphosphocholines  
(2009) *Bioorganic and Medicinal Chemistry Letters*, 19 (22), pp. 6346-6349.  
<http://www.scopus.com/inward/record.url?eid=2-s2.0-71049123327&partnerID=40&md5=5133805c4aef86b7b246211114aa8371>

DOCUMENT TYPE: Article

SOURCE: Scopus

Mystkowska, J.

Mechanical and physicochemical properties of Tetric EvoCeram® - Dental composite material  
(2009) *Diffusion and Defect Data Pt.B: Solid State Phenomena*, 147-149, pp. 807-812.

<http://www.scopus.com/inward/record.url?eid=2-s2.0-75849163223&partnerID=40&md5=657acd1d152c1bb2aa869a19d90b2656>

DOCUMENT TYPE: Conference Paper

SOURCE: Scopus

Miklášová, N., Fischer-Fodor, E., Lönnecke, P., Schrepler, M.P., Virag, P., Tatomir, C., Cernea, V.I., Hey-Hawkins, E., Silaghi-Dumitrescu, L.

Antiproliferative effect and genotoxicity of novel synthesized palladium complexes with organoarsenic ligands  
(2009) *Journal of Inorganic Biochemistry*, 103 (12), pp. 1739-1747.

<http://www.scopus.com/inward/record.url?eid=2-s2.0-70350572245&partnerID=40&md5=b95c5c6074a7fec7863bc8061e35390c>

DOCUMENT TYPE: Article

SOURCE: Scopus

Conway, B., García-Álvarez, J., Hevia, E., Kennedy, A.R., Mulvey, R.E., Robertson, S.D.

Contacted ion-pair lithium alkylamidoaluminates: Intramolecular aluminatation (Al-H exchange) traps for TMEDA and PMDETA  
(2009) *Organometallics*, 28 (22), pp. 6462-6468.

<http://www.scopus.com/inward/record.url?eid=2-s2.0-72449160612&partnerID=40&md5=0c1a12c9b8d0dd85761de4651ab9398e>

DOCUMENT TYPE: Article

SOURCE: Scopus

Bica, E., Mureșan, L.E., Barbu-Tudoran, L., Indrea, E., Popescu, I.C., Popovici, E.-J.

Studies on WO<sub>3</sub> thin films prepared by dip-coating method  
(2009) *Studia Universitatis Babeș-Bolyai Chemia*, 3, pp. 15-22.

<http://www.scopus.com/inward/record.url?eid=2-s2.0-70350367339&partnerID=40&md5=8a3e3f882e1d0c8eb71da6b595141a82>

DOCUMENT TYPE: Article

SOURCE: Scopus

Vlean, A.-M., Gómez-Ruiz, S., Lönnecke, P., Silaghi-Dumitrescu, I., Silaghi-Dumitrescu, L., Hey-Hawkins, E.

Stabilisation of an inorganic digallane by the phosphinobisthiolato P,S,S pincer ligand PPh(2-SC<sub>6</sub>H<sub>4</sub>)<sub>2</sub>

(2009) *New Journal of Chemistry*, 33 (8), pp. 1771-1779.

<http://www.scopus.com/inward/record.url?eid=2-s2.0-68749121458&partnerID=40&md5=6889796e2b27b4ab97b0f42f2145b33d>

DOCUMENT TYPE: Article

SOURCE: Scopus

Haywood, J., Wheatley, A.E.H.  
Alkali/coinage metals-organolithium, organocuprate chemistry  
(2009) *Organometallic Chemistry*, 35, pp. 130-161.  
<http://www.scopus.com/inward/record.url?eid=2-s2.0-67649834269&partnerID=40&md5=5a328d14cef24f9bab15c967dcc29efb>  
DOCUMENT TYPE: Article  
SOURCE: Scopus

Goto, K., Takahashi, Y., Kawashima, T.  
Synthesis and structural characterization of a mixed aggregate containing a lithium thiolate and a lithium amide  
(2009) *Journal of Sulfur Chemistry*, 30 (3-4), pp. 365-369.  
<http://www.scopus.com/inward/record.url?eid=2-s2.0-71149108042&partnerID=40&md5=f2b39de1b0d769889ce5a9b4e9bd2e04>  
DOCUMENT TYPE: Article  
SOURCE: Scopus

Sircoglou, M., Mercy, M., Saffon, N., Coppel, Y., Bouhadir, G., Maron, L., Bourissou, D.  
Gold(I) complexes of phosphanyl gallanes: From interconverting to separable coordination isomers  
(2009) *Angewandte Chemie - International Edition*, 48 (19), pp. 3454-3457.  
Cited 5 times.  
<http://www.scopus.com/inward/record.url?eid=2-s2.0-70349974620&partnerID=40&md5=c349e16b0a12bc320c865c9fa6ecf3ad>  
DOCUMENT TYPE: Article  
SOURCE: Scopus

Marczuk-Kolada, G., Łuczaj-Cepowicz, E., Waszkiel, D., Szarmach, I., Jakoniuk, P., Mystkowskad, J.  
Fluoride release and antibacterial properties of the polyacid-modified composite Dyract AP®  
(2009) *Fluoride*, 42 (2), pp. 147-151.  
<http://www.scopus.com/inward/record.url?eid=2-s2.0-67650222181&partnerID=40&md5=d011d16fde98563a25c2bfee73ec0952>  
DOCUMENT TYPE: Article  
SOURCE: Scopus

Zheng, Z., Huang, B.-Y., Xiang, Q.-J., Tan, Y.-N., Liu, Y.  
Preparation and property of bioglass ceramics filled dental resins  
(2009) *Zhongnan Daxue Xuebao (Ziran Kexue Ban)/Journal of Central South University (Science and Technology)*, 40 (1), pp. 94-98.  
<http://www.scopus.com/inward/record.url?eid=2-s2.0-63349092982&partnerID=40&md5=6d404a7390a5a43c9fdb50609d3ea53d>  
DOCUMENT TYPE: Article  
SOURCE: Scopus

Petrar, P.M., Nemes, G., Silaghi-Dumitrescu, I., Escudie, J., Ranaivonjatovo, H.  
An insight into the structure of model germaphosphaallenes  
(2009) *Molecular Physics*, 107 (8-12), pp. 1161-1167.  
<http://www.scopus.com/inward/record.url?eid=2-s2.0-68249156732&partnerID=40&md5=d8ba975669953653219777ee32ea597b>  
DOCUMENT TYPE: Article  
SOURCE: Scopus

Parr, J.  
Carbon, silicon, germanium, tin and lead  
(2008) *Annual Reports on the Progress of Chemistry - Section A*, 104, pp. 97-111.  
<http://www.scopus.com/inward/record.url?eid=2-s2.0-46249113473&partnerID=40&md5=b07440562f5d3ab4f336ddf1d22d2422>  
DOCUMENT TYPE: Review  
SOURCE: Scopus

Majoumo-Mbé, F., Kühl, O., Lönnecke, P., Silaghi-Dumitrescu, I., Hey-Hawkins, E.

Bis(phosphanyl amino)benzene ligands: A zinc(ii) complex and an unusual nickel(i) complex with a Dewar-benzene-type Ni<sub>2</sub>P<sub>2</sub>N<sub>2</sub> backbone (2008) Dalton Transactions, (23), pp. 3107-3114.

<http://www.scopus.com/inward/record.url?eid=2-s2.0-44649125522&partnerID=40&md5=1971094a4ab8fec631b948dcae5fd7dc>

DOCUMENT TYPE: Article

SOURCE: Scopus

Hernández-Trujillo, J., Matta, C.F.

Hydrogen-hydrogen bonding in biphenyl revisited

(2007) Structural Chemistry, 18 (6), pp. 849-857. Cited 6 times.

<http://www.scopus.com/inward/record.url?eid=2-s2.0-37749016305&partnerID=40&md5=7e1f703653d63eeb3db77fdd4a60b78c>

37749016305&partnerID=40&md5=7e1f703653d63eeb3db77fdd4a60b78c

DOCUMENT TYPE: Article

SOURCE: Scopus

Furtos, G., Stoleriu, S., Prejmerean, C., Prodan, D., Moldovan, M., Tamas, C., Trif, M.

Hydrolytic degradation of UDMA-based resin composite sealants

(2007) Journal of Optoelectronics and Advanced Materials, 9 (11), pp. 3379-3382.

<http://www.scopus.com/inward/record.url?eid=2-s2.0-38549160821&partnerID=40&md5=11e20dfe49df4a26e05c30f01156e30d>

38549160821&partnerID=40&md5=11e20dfe49df4a26e05c30f01156e30d

DOCUMENT TYPE: Conference Paper

SOURCE: Scopus

Wolstenholme, D.J., Cameron, T.S.

A comparison of the energetic and topological properties of weak interactions in molecular organic crystals

(2007) Canadian Journal of Chemistry, 85 (9), pp. 576-585. Cited 2 times.

<http://www.scopus.com/inward/record.url?eid=2-s2.0-35548985924&partnerID=40&md5=ea0e5e44d27f1b7dbb433ddf64810f04>

35548985924&partnerID=40&md5=ea0e5e44d27f1b7dbb433ddf64810f04

DOCUMENT TYPE: Article

SOURCE: Scopus

Nemeş, G., Silaghi-Dumitrescu, L., Silaghi-Dumitrescu, I., Escudie, J., Ranaivonjatovo, H., Zukerman-Schpector, J.

Silatropic migration in (1-trimethylsilylindenyl) (indenyl) dimethylsilane, bis(1-trimethyl-silylindenyl) dimethylsilane and related compounds

(2007) Revue Roumaine de Chimie, 52 (8-9), pp. 809-816.

<http://www.scopus.com/inward/record.url?eid=2-s2.0-41649084546&partnerID=40&md5=b888bd2c2ed23a54b6b9b1763d43b1e6>

41649084546&partnerID=40&md5=b888bd2c2ed23a54b6b9b1763d43b1e6

DOCUMENT TYPE: Article

SOURCE: Scopus

Lynam, J.M.

Nitrogen, phosphorus, arsenic, antimony and bismuth

(2007) Annual Reports on the Progress of Chemistry - Section A, 103, pp. 104-115.

<http://www.scopus.com/inward/record.url?eid=2-s2.0-34547173622&partnerID=40&md5=75b3c5b42e0937e6e3118dc97317622e>

34547173622&partnerID=40&md5=75b3c5b42e0937e6e3118dc97317622e

DOCUMENT TYPE: Review

SOURCE: Scopus

Escudié, J., Ranaivonjatovo, H.

Group 14 and 15 heteroallenes E=C=C and E=C=E'

(2007) Organometallics, 26 (7), pp. 1542-1559. Cited 8 times.

<http://www.scopus.com/inward/record.url?eid=2-s2.0-34047246172&partnerID=40&md5=9a7904bbd4882994512e33b0573c67b2>

34047246172&partnerID=40&md5=9a7904bbd4882994512e33b0573c67b2

DOCUMENT TYPE: Review

SOURCE: Scopus

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Synthesis and characterization of the first arsanylbis(methylene) phosphorane  
(Me<sub>3</sub>Si)<sub>2</sub>C=P(Mes\*)=C(Cl)-As(F)Mes\*  
(2007) *Revue Roumaine de Chimie*, 52 (1-2), pp. 45-49.  
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García-Álvarez, J., Graham, D.V., Kennedy, A.R., Mulvey, R.E., Weatherstone, S.  
New reactivity and structural insights of alkali-metal-mediated aluminations in directed ortho-alumination of a tertiary aromatic amide  
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The reaction of tin(IV) iodide with phosphines: Formation of new halotin anions  
(2009) *Dalton Transactions*, (47), pp. 10486-10494.  
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DOCUMENT TYPE: Article  
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Ghammamy, S., Anvarnia, Z., Jafari, M., Mehrani, K., Tavakol, H., Javanshir, Z., Rezaeibehbahani, G.  
Synthesis and characterization of two new halo complexes of iodine: (C<sub>4</sub>H<sub>9</sub>)<sub>4</sub>N[I<sub>2</sub>Br]<sup>-</sup> and (C<sub>4</sub>H<sub>9</sub>)<sub>4</sub>N[I<sub>2</sub>Cl]<sup>-</sup> and theoretical calculations of their structures  
(2009) *Main Group Chemistry*, 8 (4), pp. 299-306.  
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SOURCE: Scopus

Ioannou, P.V., Vachliotis, D.G., Nastopoulos, V., Tasiopoulos, A.J.  
Preparation and properties of sodium dimethyldithioarsinate dihydrate,  $\text{Me}_2\text{AsS}_2\text{Na}\cdot 2\text{H}_2\text{O}$  and palladium(ii) dimethyldithioarsinate,  $(\text{Me}_2\text{AsS}_2)_2\text{Pd}$   
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<http://www.scopus.com/inward/record.url?eid=2-s2.0-70449555192&partnerID=40&md5=2d4a8ceaccd80c35d098d98b8fec0015>

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Ioannou, P.V., Tsivgoulis, G.M., Vachliotis, D.G.  
The lewis-base behavior of Bunsen's cacodyl disulfide,  $\text{Me}_2\text{As}(\text{S})-\text{S}-\text{AsMe}_2$ , toward molecular halides of group 13

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The reactions of triethylamine-activated octasulfur with thioarsinites,  $\text{L}_2\text{As}-\text{Sph}$  (L = Me, Ph), Bunsen's cacodyl disulfide,  $\text{Me}_2\text{As}(\text{S})-\text{S}-\text{AsMe}_2$ , and triphenylarsine

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Synthesis, characterization and crystal structure of a 2D organoantimony complex  $(\text{C}_6\text{H}_5)_3\text{Sb}(\text{O}_2\text{CCH}_2\text{C}_6\text{H}_4\text{NH}_2)_2$

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Bajia, S., Butcher, R.J., Drake, J.E., Ratnani, R.

Synthesis and characterization of adducts of bis(4,4,6-trimethyl-1,3,2-dioxaphosphorinane-2-thione-2-thiolato)cobalt(II) with nitrogen and phosphorus containing Lewis bases: Crystal structures of  $[\text{Co}(\text{S}_2)_2(2-\text{CH}_3-\text{NC}_5\text{H}_4)]$  and  $[\text{Co}(\text{S}_2)_2(3-\text{CH}_3-\text{NC}_5\text{H}_4)]$

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Ioannou, P.V., Vachliotis, D.G., Sideris, T.D.  
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Synthesis, characterization and spectral studies of bis(O,O-dialkylmonothiophosphato)cobalt(II) complexes and their adducts with nitrogen base ligands: Crystal structures of [Co{O(S)P(OPri)<sub>2</sub>}<sub>2</sub>(C<sub>5</sub>H<sub>5</sub>N)<sub>4</sub>] and [Co{O(S)P(OPrn)<sub>2</sub>}<sub>2</sub>(C<sub>10</sub>H<sub>8</sub>N<sub>2</sub>)<sub>2</sub>]

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Enforced  $\eta^1$ -fluorenyl and indenyl coordination to zirconium: Geometrically constrained and sterically expanded complexes derived from the bifunctional (FluPPh<sub>2</sub>NAr)- and (IndPPh<sub>2</sub>NAr) - ligands  
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Gallium(III) and indium(III) dithiolate complexes: Versatile precursors for metal sulfides  
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Synthesis, characterization and spectral studies of nitrogen base adducts of bis(O,O'-ditolyldithiophosphato)nickel(II). Crystal structures of Ni[S<sub>2</sub>P(OC<sub>6</sub>H<sub>4</sub>Me-p)<sub>2</sub>]<sub>2</sub> · C<sub>10</sub>H<sub>8</sub>N<sub>2</sub> and Ni[S<sub>2</sub>P(OC<sub>6</sub>H<sub>4</sub>Me-o)<sub>2</sub>]<sub>2</sub> · C<sub>14</sub>H<sub>12</sub>N...  
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DOCUMENT TYPE: Article  
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#### **4. Distincții, premii și alte recunoașteri naționale și internaționale**

##### **Premiul Academiei Romane Costin D.Nenitzescu**

#### **5. Studenți naționali atrași (activități de coordonare științifică și didactică)**

- Îndrumare lucrari de licență (număr lucrări susținute)
- Îndrumare lucrări de disertație (număr lucrări susținute)
- Doctoranzi (lista nominală a doctoranzilor înmatriculați resp. lista nominală a tezelor susținute)
- Post-doctoranzi (lista nominală)

#### **6. Studenți internaționali atrași (activități de coordonare științifică și didactică)**

- Îndrumare lucrari de licență (număr lucrări susținute)
- Îndrumare lucrări de disertație (număr lucrări susținute)
- Doctoranzi (lista nominală a doctoranzilor înmatriculați resp. lista nominală a tezelor susținute)
- Post-doctoranzi (lista nominală)

#### **7. Membru in comitetul de redacție la reviste ISI**

Studia – Chemia – redactor sef  
Chemistry central Journal

#### **8. Membru in comitetul de redacție la reviste BDI**

#### **9. Participări la programe/granturi de cercetare finanțate din sursă internațională (se menționează și valoarea)**

Membru in Comitetul de Management al Retelei COST “PhoSciNet” (2009-2011)

#### **10. Participări la programe/granturi finanțate din sursă națională (se menționează și valoarea)**

#### **11. Coordonări de programe/granturi finanțate din sursă internațională (se menționează și valoarea)**

Program TEMPUS “ Reforma invatamantului superior de Chimie in Macedonia” – coordonator din partea Romaniei, 19.000 Euro (2008-2009)

Programul “Materiale si Cataliza” finantat de DAAD in cadrul Pactului de Stabilitate in Sud-estul Europei (2005-2009), coordonator din partea Romaniei

#### **12. Coordonări de programe/granturi finanțate din sursă națională (se menționează și valoarea)**

- CEEX-RIOSIN, Reactivi si intermediary organometalici in sinteze stereocontrolate de compusi cu relevanta biologica, 2006-2008 (Dir. Luminita Silaghi-Dumitrescu), valoare 1150000 RON.

- CEEEX OPTOLUM 2005-2007 (dir. L. Silaghi-Dumitrescu), valoare 300000 lei.
- PN II, Capacitati I -ELACOM, Extinderea laboratoarelor de chimie organometalica aplicata, 129/2007, 2007-2009 (dir. L. Silaghi-Dumitrescu), valoare 1859500 lei
- MATNANTECH / Materiale cu proprietati luminescente preparate prin metode neconventionale 17500 lei
- CNCSIS / Compusi arsenorganici in structuri moleculare si supramoleculare 78/1788 18000 lei
- CNCSIS-56/710, REACTIVI SI INTERMEDIARI ORGANOMETALICI IN SINTEZE STEREOCONTROLATE DE COMPUSI CU RELEVANTA BIOLOGICA, 2006-2008, valoare 176000 lei
- Idei- PN II, 564 - DEZVOLTAREA DE METODE NEPOLUANTE DE SINTEZA ORGANICA SI ORGANOMETALICA IN CAMP DE MICROUNDURI - GREEN CHEMISTRY – MESINEP, valoare 495160 lei

Capacitati modul III, bilaterale Co-Bil

Bilateral Ungaria , valoare 165458 lei

Bilateral Ucraina – valoare 139630

### **13. Profesor invitat la universitati de prestigiu, cu titlu oficial**

Universitatea din Leipzig  
 Universitatea din Braunschweig  
 Universitatea din Toulouse

### **14. Membru în comisii profesionale relevante, cu titlu oficial**

Universitatea din Orleans (2008)  
 Universitatea din Toulouse(2008)  
 Universitatea din Leipzig(2009)

### **15. Conferințe invitate internaționale**

### **16. Membru în comitete de organizare sau științifice ale unor conferințe internaționale**



### **III. Realizare remarcabilă**

(Descrieți într-o manieră cât mai accesibilă (în maximum 1 pagină) cea mai importantă realizare științifică/tehnică/artistică din ultimii 5 ani și impactul acesteia.)

Data:

Semnătura:

**Certific validitatea datelor prezentate**

Sef de catedră,