



ROMÂNIA  
UNIVERSITATEA BABEȘ-BOLYAI CLUJ-NAPOCA

Str. Mihail Kogălniceanu, nr. 1, 400084 Cluj-Napoca  
Tel. (00) 40 - 264 - 40.53.00\*; 40.53.01; 40.53.02 ; 40.53.22  
Fax: 40 - 264 - 59.19.06  
E-mail: [staff@staff.ubbcluj.ro](mailto:staff@staff.ubbcluj.ro)

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 IOAN, PROFESOR</b>
<b>Facultatea, Catedra</b>	Facultatea de Chimie si Inginerie Chimica, Catedra de Chimie Anorganica
<b>Domeniul științific</b>	Chimie
<b>Adresa paginii web personale</b>	<a href="http://chem.ubbcluj.ro/pagini/anorganica/isi.html">http://chem.ubbcluj.ro/pagini/anorganica/isi.html</a>
<b>Adresa e-mail</b>	

### Criteria I – Output

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

1. On the microwave-assisted synthesis of acylphenothiazine derivatives - Experiment versus theory synergism  
Gaina, L; Porumb, D; Silaghi-Dumitrescu, I; Cristea, C; Silaghi-Dumitrescu, L  
CANADIAN JOURNAL OF CHEMISTRY-REVUE CANADIENNE DE CHIMIE 88 (1):42-49 2010

2. Binuclear cyclopentadienylcobalt sulfur and phosphinidene complexes Cp<sub>2</sub>Co<sub>2</sub>E<sub>2</sub> (E = S, PX): Comparison with their Iron carbonyl analogues  
Li, GL; Li, QS; Silaghi-Dumitrescu, I; King, RB; Schaefer, HF  
JOURNAL OF ORGANOMETALLIC CHEMISTRY 695 (6):804-808 2010

3. Endohedral Nickel, Palladium, and Platinum Atoms in 10-Vertex Germanium Clusters: Competition between Bicapped Square Antiprismatic and Pentagonal Prismatic Structures  
King, RB; Silaghi-Dumitrescu, I; Uta, AM  
JOURNAL OF PHYSICAL CHEMISTRY A 113 (3):527-533 2009

4. vic-Dichlorodiphosphapropenes - Synthesis and Coordination Ability  
Septelean, R; Nemes, G; Escudie, J; Silaghi-Dumitrescu, I; Ranaivonjatovo, H; Petrar, P; Gornitzka, H; Silaghi-Dumitrescu, L; Saffon, N  
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY (5):628-634 2009

5. N,N' and N,O chelated phosphonium cations containing aminotroponimate or aminotroponate units  
Pop, LC; Katir, N; Castel, A; Silaghi-Dumitrescu, L; Delpesch, F; Silaghi-Dumitrescu, I; Gornitzka, H; MacLeod-Carey, D; Saffon, N  
JOURNAL OF ORGANOMETALLIC CHEMISTRY 694 (9-10):1562-1566 2009

6. Narrow-Rim Alkenyl Calix[n]Arene Synthesis and Spectral Characterization  
Saponar, A; Popovici, EJ; Popovici, N; Bica, E; Nemes, G; Petrar, P; Silaghi-Dumitrescu, I  
REVISTA DE CHIMIE 60 (3):278-282 2009

7. (Diethylenetriamine)bis(theophyllinato)zinc(II) dihydrate  
Mihaly, B; Forizs, E; Kun, AZ; Silaghi-Dumitrescu, I  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE 65M579-U1038 2009

8. Kinetic versus Thermodynamic Isomers of the Deltahedral Cobaltadiboraboranes  
King, RB; Silaghi-Dumitrescu, I; Sovago, I  
INORGANIC CHEMISTRY 48 (12):5088-5095 2009
9. An insight into the structure of model germaphosphaallenes  
Petrar, PM; Nemes, G; Silaghi-Dumitrescu, I; Escudie, J; Ranaivonjatovo, H  
MOLECULAR PHYSICS 107 (8-12):1161-1167 2009
10. Stabilisation of an inorganic digallane by the phosphinobisthiolato P,S,S pincer ligand PPh(2-SC<sub>6</sub>H<sub>4</sub>)(2)  
Valean, AM; Gomez-Ruiz, S; Loncke, P; Silaghi-Dumitrescu, I; Silaghi-Dumitrescu, L; Hey-Hawkins, E  
NEW JOURNAL OF CHEMISTRY 33 (8):1771-1779 2009
11. The Unique Palladium-Centered Pentagonal Antiprismatic Cationic Bismuth Cluster: A Comparison of Related Metal-Centered 10-Vertex Pnictogen Cluster Structures by Density Functional Theory  
King, RB; Silaghi-Dumitrescu, I; Uta, MM  
INORGANIC CHEMISTRY 48 (17):8508-8514 2009
12. From closo to isocloso Structures and Beyond in Cobaltaboranes with 9 to 12 Vertices  
King, RB; Silaghi-Dumitrescu, I; Sovago, I  
INORGANIC CHEMISTRY 48 (21):10117-10125 2009
13. Butterfly and rhombus structures for binuclear cobalt carbonyl sulfur and phosphinidene complexes of the type Co-2(CO)(6)E-2 (E = S, PX)  
Li, GL; Li, QS; Silaghi-Dumitrescu, I; King, RB; Schaefer, HF  
DALTON TRANSACTIONS (47):10474-10480 2009
14. LOWER RIM SILYL SUBSTITUTED CALIX[8]ARENES  
Fleuret, N; Paic, S; Nemes, G; Septelean, R; Petrar, P; Silaghi-Dumitrescu, I  
STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA 54 (3):81-88 2009
15. Interplay among tetrahedrane, butterfly diradical, and planar rhombus structures in the chemistry of the binuclear iron carbonyl phosphinidene complexes Fe-2(CO)(6)(PX)(2)  
Silaghi-Dumitrescu, I; Bitterwolf, TE; King, RB  
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 130 (3):901-906 2008
16. Beyond the Wade-Mingos rules in bare 10- and 12-vertex germanium clusters: Transition states for symmetry breaking processes  
King, RB; Silaghi-Dumitrescu, I; Uta, MM  
JOURNAL OF CHEMICAL THEORY AND COMPUTATION 4 (1):209-215 2008
17. Polyhedral structures with three-, four-, and five fold symmetry in metal-centered ten-vertex germanium clusters  
King, RB; Silaghi-Dumitrescu, I; Uta, MM  
CHEMISTRY-A EUROPEAN JOURNAL 14 (15):4542-4550 2008
18. 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  
Majoum-Mbe, F; Kuhl, O; Loncke, P; Silaghi-Dumitrescu, I; Hey-Hawkins, E  
DALTON TRANSACTIONS (23):3107-3114 2008
19. Serinolic amino-s-triazines: Iterative synthesis of N-substituted amino-1,3-dioxane derivatives from 1-(p-nitrophenyl)serinols and rotational stereochemistry phenomena  
Fazekas, M; Pintea, M; Lameiras, P; Lesur, A; Berghian, C; Silaghi-Dumitrescu, I; Ple, N; Darabantu, M  
EUROPEAN JOURNAL OF ORGANIC CHEMISTRY (14):2473-2494 2008
20. Temperature induced rotation in a [4.4]cyclophane  
Bogdan, ND; Condamine, E; Toupet, L; Ramondenc, Y; Silaghi-Dumitrescu, I; Grosu, I  
TETRAHEDRON LETTERS 49 (35):5204-5207 2008
21. Serinolic amino-s-triazines: iterative synthesis and rotational stereochemistry phenomena as N-substituted derivatives of 2-aminopropane-1,3-diols  
Pintea, M; Fazekas, M; Lameiras, P; Cadis, I; Berghian, C; Silaghi-Dumitrescu, I; Popa, F; Bele, C; Ple, N; Darabantu, M  
TETRAHEDRON 64 (37):8851-8870 2008

22. Beyond the icosahedron: A density functional theory study of 14-atom germanium clusters  
King, RB; Silaghi-Dumitrescu, I; Uta, MM  
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY (25):3996-4003 2008
23. Synthesis and characterisation of some copper oxide catalysts for ozone decomposition  
Dan, C; Popovici, EJ; Imre-Lucaci, F; Popovici, N; Marginean, P; Silaghi-Dumitrescu, I  
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS 10 (9):2234-2236 2008
24. The role of "external" lone pairs in the chemical bonding of bare post-transition element clusters: the Wade-Mingos rules versus the jellium model  
King, RB; Silaghi-Dumitrescu, I  
DALTON TRANSACTIONS (44):6083-6088 2008
25. When Arsine Makes the Difference: Chelating Phosphino and Bridging Arsinoarylthiolato Gallium Complexes  
Valean, AM; Gomez-Ruiz, S; Lonneck, P; Silaghi-Dumitrescu, I; Silaghi-Dumitrescu, L; Hey-Hawkins, E  
INORGANIC CHEMISTRY 47 (23):11284-11293 2008
26. GERMANIUM CLUSTER POLYHEDRA  
Silaghi-Dumitrescu, I; King, B  
STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA 53 (2):83-88 2008
27. Density functional theory study of twelve-atom germanium clusters: conflict between the Wade-Mingos rules and optimum vertex degrees  
King, RB; Silaghi-Dumitrescu, I; Uta, MM  
DALTON TRANSACTIONS 364-372 2007
28. 1,3-digermacyclobutanes with exocyclic C=P and C=P=S double bonds  
Petrar, PM; Nemes, G; Silaghi-Dumitrescu, I; Ranaivonjatovo, H; Gornitzka, H; Escudie, J  
CHEMICAL COMMUNICATIONS 4149-4151 2007
29. Synthesis and characterization of calix[4]arene with different donor groups at the "NARROW" RIM  
Saponar, A; Silaghi-Dumitrescu, I; Popovici, EJ; Popovici, N  
REVISTA DE CHIMIE 58 (5):481-483 2007
30. Synthesis and properties of organogermanium and Organotin dithiophosphonate complexes; crystal structures of (C<sub>6</sub>H<sub>5</sub>)<sub>2</sub>Sn(Cl)[(p-MeOC<sub>6</sub>H<sub>4</sub>)(EtO)PS<sub>2</sub>-S, S'], Me<sub>2</sub>Sn[(p-MeOC<sub>6</sub>H<sub>4</sub>)(MeO)PS<sub>2</sub>-S](2), Me<sub>2</sub>Sn[(p-MeOC<sub>6</sub>H<sub>4</sub>)(PrO)-Pr-i)PS<sub>2</sub>-S](2), and Me<sub>2</sub>Ge{[(C<sub>6</sub>H<sub>5</sub>)<sub>3</sub>SiO](p-MeOC<sub>6</sub>H<sub>4</sub>)PS<sub>2</sub>-S}(2)  
Fild, M; Kruger, O; Silaghi-Dumitrescu, I; Thone, C; Weinkauff, A  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS 1822283-2310 2007
31. New digermylalkenes and digermylalkynes: [1,3]-chlorine shifts in organogermanium chemistry?  
Nemes, G; Escudie, J; Silaghi-Dumitrescu, I; Ranaivonjatovo, H; Silaghi-Dumitrescu, L; Gornitzka, H  
ORGANOMETALLICS 265136-5139 2007
32. cis-μ-1,4-diphenyl-1,4-diphosphorinane-κ<sup>2</sup>-P<sub>2</sub>: P'-bis[pentacarbonylchromium(0)] deuteriochloroform solvate  
Fild, M; Krueger, ON; Silaghi-Dumitrescu, I; Thone, C; Weinkauff, A  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE 63M3011-U1347 2007
33. 1,1,4,4-Tetrabenzyl-1,4-diphosphinane-1,4-diiium dibromide deuteriochloroform disolvate  
Fild, M; Krueger, ON; Silaghi-Dumitrescu, I; Thone, C  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE 63O4525-U3344 2007
34. Calix[n]arene derivatives with binding properties toward Eu<sup>3+</sup>  
Saponar, A; Silaghi-Dumitrescu, I; Popovici, EJ; Popovici, N  
STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA 52 (4):67-74 2007
35. Towards new double-bonded organophosphorus derivatives of C=P=C=P type  
Nemes, G; Septelean, R; Petrar, PM; Silaghi-Dumitrescu, L; Silaghi-Dumitrescu, I  
STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA 52 (4):89-94 2007
36. Synthesis and characterization of some mixed ligand zinc(II) complexes of theophylline  
Mihaly, B; Forizs, E; Silaghi-Dumitrescu, I  
STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA 52 (4):111-116 2007

37. Secondary interactions in heteroallenic systems with P = C-E units  
Nemes, G; Silaghi-Dumitrescu, I; Petrar, PM; Septelean, R; Silaghi-Dumitrescu, L  
STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA 52 (1):3-9 2007
38. The formylation of bis-(N-alkyl-phenothiazinyl)-methane; A theoretical approach  
Porumb, D; Silaghi-Dumitrescu, I; Gaina, L; Silaghi-Dumitrescu, L; Cristea, C; Cormos, G  
STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA 52 (4):39-42 2007
39. Studies on some ozone decomposition catalysts based on nickel oxide  
Dan, C; Popovici, EJ; Imre, F; Indrea, E; Marginean, P; Silaghi-Dumitrescu, I  
STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA 52 (1):91-95 2007
40. alpha-(3,7-Dioxa-r-1-azabicyclo[3.3.0]oct-c-5-ylmethoxy)-diazines. Part 2: Functionalisation via directed ortho-metallation and cross-coupling reactions  
Berghian, C; Condamine, E; Ple, N; Turck, A; Silaghi-Dumitrescu, I; Maieranu, C; Darabantu, M  
TETRAHEDRON 62 (31):7339-7354 2006
41. Molecular rotors: Design, synthesis, structural analysis, and silver complex of new [7.7] cyclophanes  
Bogdan, N; Grosu, I; Benoit, G; Toupet, L; Ramondenc, Y; Condamine, E; Silaghi-Dumitrescu, I; Ple, G  
ORGANIC LETTERS 8 (12):2619-2622 2006
42. First synthesis of a G-2 melamine dendrimer with serinolic peripheral groups  
Darabantu, M; Pintea, M; Fazekas, M; Lameiras, P; Berghian, C; Delhom, I; Silaghi-Dumitrescu, I; Ple, N; Turck, A  
LETTERS IN ORGANIC CHEMISTRY 3 (12):905-910 2006
43. 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, A; Loncke, P; Silaghi-Dumitrescu, L; Silaghi-Dumitrescu, I; Hey-Hawkins, E  
DALTON TRANSACTIONS (7):967-974 2006
44. New low symmetry low energy structures of 11-atom bare germanium clusters: A density functional theory study  
King, RB; Silaghi-Dumitrescu, I; Lupan, A  
CHEMICAL PHYSICS 327 (2-3):344-350 2006
45. Density functional theory study of 10-atom germanium clusters: Effect of electron count on cluster geometry  
King, RB; Silaghi-Dumitrescu, I; Uta, MM  
INORGANIC CHEMISTRY 45 (13):4974-4981 2006
46. Structural, energetic and electronic characterization of the chiral carbon-nitride nanotubes  
Rada, S; Silaghi-Dumitrescu, I  
REVUE ROUMAINE DE CHIMIE 51 (2):141-145 2006
47. Phosphavinylidene(oxo)phosphorane Mes\*P(O)=C=PMes\*: A diphosphaallene featuring lambda(5)sigma(3)- and lambda(3)sigma(2)-phosphorus atoms  
Septelean, R; Ranaivonjatovo, H; Nemes, G; Escudie, J; Silaghi-Dumitrescu, I; Gornitzka, H; Silaghi-Dumitrescu, L; Massou, S  
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY 4237-4241 2006
48. Butterfly diradical intermediates in photochemical reactions of Fe-2(CO)(6)(mu-S-2)  
Silaghi-Dumitrescu, I; Bitterwolf, TE; King, RB  
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 128 (16):5342-5343 2006
49. Density functional theory study of eight-atom germanium clusters: effect of electron count on cluster geometry  
King, RB; Silaghi-Dumitrescu, I; Lupan, A  
DALTON TRANSACTIONS (10):1858-1864 2005
50. Synthesis and stereochemistry of new bis(1,3-oxathian-2-yl) derivatives: Epimerisation and chair-twist equilibria  
Cismas, C; Grosu, I; Ple, G; Condamine, E; Ramondenc, Y; Toupet, L; Silaghi-Dumitrescu, I; Nemes, G; Terec, A; Muntean, L  
STRUCTURAL CHEMISTRY 16 (4):369-377 2005
51. Density functional theory study of 11-atom germanium clusters: Effect of electron count on cluster geometry  
King, RB; Silaghi-Dumitrescu, I; Lupan, A

INORGANIC CHEMISTRY 44 (10):3579-3588 2005

52. Density functional study of 8-and 11-vertex polyhedral borane structures: Comparison with bare germanium clusters

King, RB; Silaghi-Dumitrescu, I; Lupan, A  
INORGANIC CHEMISTRY 44 (22):7819-7824 2005

53. A surprisingly stable 1-(chlorosilyl)-2-phosphaethyllithium compound,  $\text{RCl}_2\text{SiC}(\text{Li})=\text{PMes}$   
Nemes, GC; Ranaivonjatovo, H; Escudie, J; Silaghi-Dumitrescu, I; Silaghi-Dumitrescu, L; Gornitzka, H  
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY (6):1109-1113 2005

54. Difluorenylsilanes, -germanes, and -stannanes exhibiting an unprecedented parallel arrangement of the fluorene units

Nemes, GC; Silaghi-Dumitrescu, L; Silaghi-Dumitrescu, I; Escudie, J; Ranaivonjatovo, H; Molloy, KC; Mahon, MF; Zukerman-Schpector, J  
ORGANOMETALLICS 24 (6):1134-1144 2005

55. Anodic oxidation of difluorenyls bridged through a dimethylsilyl group and of the 9-trimethylsilyl fluorene: Towards new three-dimensional polyfluorenes

Silaghi-Dumitrescu, I; Escudie, J; Cretiu-Nemes, G; Raoult, E; Rault-Berthelot, J  
SYNTHETIC METALS 151 (2):114-119 2005

56. Adsorption of 6-mercaptapurine and 6-mercaptapurine riboside on silver colloid: a pH dependent surface enhanced Raman spectroscopy and density functional theory study. Part I. 6-Mercaptapurine

Szeghalmi, AV; Leopold, L; Pinzaru, S; Chis, V; Silaghi-Dumitrescu, I; Schmitt, M; Popp, J; Kiefer, W  
JOURNAL OF MOLECULAR STRUCTURE 735103-113 SI 200558.

57. Adsorption of 6-mercaptapurine and 6-mercaptapurine-riboside on silver colloid: A pH-dependent surface-enhanced Raman spectroscopy and density functional theory study. II. 6-Mercaptapurine-riboside

Szeghalmi, AV; Leopold, L; Pinzaru, S; Chis, V; Silaghi-Dumitrescu, I; Schmitt, M; Popp, J; Kiefer, W  
BIOPOLYMERS 78 (6):298-310 2005

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

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

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

**4.1. Germanium cluster polyhedra: A density functional theory study**

Silaghi-Dumitrescu, I; Kun, A; Lupan, A; King, RB  
Advances in Computational Methods in Sciences and Engineering 2005, Vols 4 A & 4 B 4A-4B804-806 2005

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

**5.1. Theoretical Aspects of Main Group Multiple Bonded Systems**, I.Silaghi-Dumitrescu, P. Petrar, G. Nemeș, R. B. King, *Computational Inorganic and Bioinorganic Chemistry*, Edward I. Solomon (Editor), Robert A. Scott (Co-Editor), R Bruce King (Co-Editor), John Wiley & Sons, pp.1-13, **2009**. ISBN: 978-0-470-69997-3. - *capitol de carte*

## **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**

#### **1. Endohedral Nickel, Palladium, and Platinum Atoms in 10-Vertex Germanium Clusters: Competition between Bicapped Square Antiprismatic and Pentagonal Prismatic Structures**

**Citari: 1**

Title: Synthesis and Isolation of [Fe@Ge-10](3-): A Pentagonal Prismatic Zintl Ion Cage Encapsulating an Interstitial Iron Atom

Author(s): Zhou BB, Denning MS, Kays DL, et al. Source: **JOURNAL OF THE AMERICAN CHEMICAL SOCIETY** Volume: **131** Issue: **8** Pages: **2802-+** Published: **MAR 4 2009**

#### **2. The role of "external" lone pairs in the chemical bonding of bare post-transition element clusters: the Wade-Mingos rules versus the jellium model**

**Citari: 3**

Title: THEORETICAL CHEMISTRY Magnetic superatoms

Author(s): King B Source: **NATURE CHEMISTRY** Volume: **1** Issue: **4** Pages: **260-261** Published: **JUL 2009**

Title: The Shape of Germanium Clusters To Come

Author(s): Korber N Source: **ANGEWANDTE CHEMIE-INTERNATIONAL**

**EDITION** Volume: **48** Issue: **18** Pages: **3216-3217** Published: **2009**

Title: Endohedral Nickel, Palladium, and Platinum Atoms in 10-Vertex Germanium Clusters: Competition between Bicapped Square Antiprismatic and Pentagonal Prismatic Structures

Author(s): King RB, Silaghi-Dumitrescu I, Uta A M Source: **JOURNAL OF PHYSICAL CHEMISTRY**

**A** Volume: **113** Issue: **3** Pages: **527-533** Published: **JAN 22 2009**

#### **3. Temperature induced rotation in a [4.4]cyclophane**

**Citari: 1**

Title: Reinvestigation of Supramolecular Complexes with Cyclophanes of the Stetter and Koga Type: Agreement and Disagreement with Solid-State Structures

Author(s): Wald P, Schneider H J Source: **EUROPEAN JOURNAL OF ORGANIC**

**CHEMISTRY** Issue: **20** Pages: **3450-3453** Published: **JUL 2009**

#### **4. 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**

**Citari: 1**

Title: Sterically Demanding Aminophosphines: Palladium and Gold Complexes of 1,2-

Bis(dimesitylphosphanyl amino)benzene

Author(s): Majoum Mbe F, Loncke P, Hey-Hawkins E Source: **ZEITSCHRIFT FUR ANORGANISCHE UND**

**ALLGEMEINE CHEMIE** Volume: **634** Issue: **12-13** Pages: **2385-2390** Published: **2008**

#### **5. Serinolic amino-s-triazines: Iterative synthesis of N-substituted amino-1,3-dioxane derivatives from 1-(p-nitrophenyl)serinols and rotational stereochemistry phenomena**

**Citari: 5**

Title: Microwave-assisted synthesis of pyrazolyl bistriazines

Author(s): Moral M, Ruiz A, Moreno A, et al. Source: **TETRAHEDRON** Volume: **66** Issue: **1** Pages: **121-**

**127** Published: **JAN 2 2010**

Title: SYNTHESIS OF NEW POTENTIAL DENDRITIC CORES: (4-OXOPIPERIDIN-1-YL)-s-TRIAZINES

Author(s): Popa F, Simioanca I, Pinteana M, et al. Source: **STUDIA UNIVERSITATIS BABES-BOLYAI**

**CHEMIA** Volume: **53** Issue: **4** Pages: **5-13** Published: **2008**

Title: NOVEL SERINOLIC MELAMINES AS POTENTIAL PERIPHERAL GROUPS IN DENDRITIC CHEMISTRY

Author(s): Darabantu M, Boulitreau L, Olosutean I, et al. Source: **STUDIA UNIVERSITATIS BABES-BOLYAI**

**CHEMIA** Volume: **53** Issue: **4** Pages: **21-34** Published: **2008**

Title: SYNTHESIS OF A G-2 MELAMINE BASED DENDRON HAVING 2-AMINO-2-METHYLPROPANOL UNITS AS PERIPHERAL GROUPS

Author(s): Zoltan A, Batiu C, Darabantu M Source: **STUDIA UNIVERSITATIS BABES-BOLYAI**

**CHEMIA** Volume: **53** Issue: **4** Pages: **51-65** Published: **2008**

Title: Serinolic amino-s-triazines: iterative synthesis and rotational stereochemistry phenomena as N-substituted derivatives of 2-aminopropane-1,3-diols

Author(s): Pinteá M, Fazekas M, Larneiras P, et al.  
Source: **TETRAHEDRON** Volume: **64** Issue: **37** Pages: **8851-8870** Published: **SEP 8 2008**

6. Polyhedral structures with three-, four-, and five fold symmetry in metal-centered ten-vertex germanium clusters  
Citari: 4

Title: Polyhedral nine-atom clusters of tetrel elements and intermetalloid derivatives

Author(s): Scharfe S, Fassler TF  
Source: **PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES** Volume: **368** Issue: **1915** Pages: **1265-1284** Published: **MAR 28 20**

Title: The Unique Palladium-Centered Pentagonal Antiprismatic Cationic Bismuth Cluster: A Comparison of Related Metal-Centered 10-Vertex Prictogen Cluster Structures by Density Functional Theory

Author(s): King RB, Silaghi-Dumitrescu I, Uta MM  
Source: **INORGANIC CHEMISTRY** Volume: **48** Issue: **17** Pages: **8508-8514** Published: **SEP 7 2009**

Title: The Shape of Germanium Clusters To Come

Author(s): Korber N  
Source: **ANGEWANDTE CHEMIE-INTERNATIONAL EDITION** Volume: **48** Issue: **18** Pages: **3216-3217** Published: **2009**

Title: Solid state chemistry 2008

Author(s): Moller A, Schmidt P, Wilkening M  
Source: **NACHRICHTEN AUS DER CHEMIE** Volume: **57** Issue: **3** Pages: **239-251** Published: **MAR 2009**

7. Beyond the Wade-Mingos rules in bare 10- and 12-vertex germanium clusters: Transition states for symmetry breaking processes

Citari: 1

Title: Twelve One-Electron Ligands Coordinating One Metal Center: Structure and Bonding of [Mo(ZnCH<sub>3</sub>)(9)(ZnCp\*)(3)]

Author(s): Cadenbach T, Bollermann T, Gemel C, et al.  
Source: **ANGEWANDTE CHEMIE-INTERNATIONAL EDITION** Volume: **47** Issue: **47** Pages: **9150-9154** Published: **2008**

8. Interplay among tetrahedrane, butterfly diradical, and planar rhombus structures in the chemistry of the binuclear iron carbonyl phosphinidene complexes Fe-2(CO)(6)(PX)(2)

Citari: 2

Title: Binuclear cyclopentadienylcobalt sulfur and phosphinidene complexes Cp<sub>2</sub>Co<sub>2</sub>E<sub>2</sub> (E = S, PX): Comparison with their Iron carbonyl analogues

Author(s): Li GL, Li QS, Silaghi-Dumitrescu I, et al.  
Source: **JOURNAL OF ORGANOMETALLIC CHEMISTRY** Volume: **695** Issue: **6** Pages: **804-808** Published: **MAR 15 2010**

Title: Ionic-Type Reactivity of 1,3-Dibora-2,4-diphosphoniocyclobutane-1,3-diyls: Regio- and Stereoselective Addition of Hydracids

Author(s): Fuks G, Saffon N, Maron L, et al.  
Source: **JOURNAL OF THE AMERICAN CHEMICAL SOCIETY** Volume: **131** Issue: **38** Pages: **13681-13689** Published: **SEP 30 2009**

9. First synthesis of a G-2 melamine dendrimer with serinolic peripheral groups

Citari: 8

Title: SYNTHESIS OF NEW POTENTIAL DENDRITIC CORES: (4-OXOPIPERIDIN-1-YL)-s-TRIAZINES

Author(s): Popa F, Simioanca I, Pinteá M, et al.  
Source: **STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA** Volume: **53** Issue: **4** Pages: **5-13** Published: **2008**

Title: NOVEL SERINOLIC MELAMINES AS POTENTIAL PERIPHERAL GROUPS IN DENDRITIC CHEMISTRY

Author(s): Darabantu M, Boulitreau L, Olosutean I, et al.  
Source: **STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA** Volume: **53** Issue: **4** Pages: **21-34** Published: **2008**

Title: SYNTHESIS OF A G-2 MELAMINE BASED DENDRON HAVING 2-AMINO-2-METHYLPROPANOL UNITS AS PERIPHERAL GROUPS

Author(s): Zoltan A, Batiu C, Darabantu M  
Source: **STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA** Volume: **53** Issue: **4** Pages: **51-65** Published: **2008**

Title: An Overview of Highly Optically Pure Chloramphenicol Bases: Applications and Modifications

Author(s): Yang KH, Fang H, Gong JZ, et al.  
Source: **MINI-REVIEWS IN MEDICINAL CHEMISTRY** Volume: **9** Issue: **11** Pages: **1329-1341** Published: **OCT 2009**

Title: Serinolic amino-s-triazines: iterative synthesis and rotational stereochemistry phenomena as N-substituted





13. alpha-(3,7-Dioxa-r-1-azabicyclo[3.3.0]oct-c-5-ylmethoxy)-diazines. Part 2: Functionalisation via directed ortho-metallation and cross-coupling reactions  
Citari: 4

Title: Serinolic amino-s-triazines: iterative synthesis and rotational stereochemistry phenomena as N-substituted derivatives of 2-aminopropane-1,3-diols  
Author(s): Pintea M, Fazekas M, Lameiras P, et al.Source: **TETRAHEDRON** Volume: **64** Issue: **37** Pages: **8851-8870** Published: **SEP 8 2008**

Title: Serinolic amino-s-triazines: Iterative synthesis of N-substituted amino-1,3-dioxane derivatives from l-(p-nitrophenyl)serinols and rotational stereochemistry phenomena  
Author(s): Fazekas M, Pintea M, Lameiras P, et al.Source: **EUROPEAN JOURNAL OF ORGANIC CHEMISTRY** Issue: **14** Pages: **2473-2494** Published: **MAY 2008**

Title: Combined metalation-cross coupling strategies: A synthesis of schumanniohytine by a key biaryl O-carbamate remote anionic fries rearrangement  
Author(s): Macklin TK, Reed MA, Snieckus VSource: **EUROPEAN JOURNAL OF ORGANIC CHEMISTRY** Issue: **9** Pages: **1507-1509** Published: **MAR 2008**

Title: Functionalization of diazines and benzo derivatives through deprotonated intermediates  
Author(s): Chevallier F, Mongin FSource: **CHEMICAL SOCIETY REVIEWS** Volume: **37** Issue: **3** Pages: **595-609** Published: **2008**

14. : Density functional theory study of 10-atom germanium clusters: Effect of electron count on cluster geometry  
**Citari: 10**

Title: Polyhedral nine-atom clusters of tetrel elements and intermetaloid derivatives  
Author(s): Scharfe S, Fassler TFSource: **PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES** Volume: **368** Issue: **1915** Pages: **1265-1284** Published: **MAR 28 2010**

Title: The Unique Palladium-Centered Pentagonal Antiprismatic Cationic Bismuth Cluster: A Comparison of Related Metal-Centered 10-Vertex Pnictogen Cluster Structures by Density Functional Theory  
Author(s): King RB, Silaghi-Dumitrescu I, Uta MMSource: **INORGANIC CHEMISTRY** Volume: **48** Issue: **17** Pages: **8508-8514** Published: **SEP 7 2009**

Title: Helical and linear [K(As-11)](2-) chains: Role of solvent on the conformation of chains formed by Zintl anions  
Author(s): Reber AC, Ugrinov A, Sen A, et al.Source: **CHEMICAL PHYSICS LETTERS** Volume: **473** Issue: **4-6** Pages: **305-311** Published: **MAY 12 2009**

Title: The Shape of Germanium Clusters To Come  
Author(s): Korber NSource: **ANGEWANDTE CHEMIE-INTERNATIONAL EDITION** Volume: **48** Issue: **18** Pages: **3216-3217** Published: **2009**

Title: [Co@Ge-10](3-): An Intermetaloid Cluster with Archimedean Pentagonal Prismatic Structure  
Author(s): Wang JQ, Stegmaier S, Fassler TFSource: **ANGEWANDTE CHEMIE-INTERNATIONAL EDITION** Volume: **48** Issue: **11** Pages: **1998-2002** Published: **2009**

Title: Effect of Charge and Composition on the Structural Fluxionality and Stability of Nine Atom Tin-Bismuth Zintl Analogues  
Author(s): Gupta U, Reber AC, Clayborne PA, et al.Source: **INORGANIC CHEMISTRY** Volume: **47** Issue: **23** Pages: **10953-10958** Published: **DEC 1 2008**

Title: The role of "external" lone pairs in the chemical bonding of bare post-transition element clusters: the Wade-Mingos rules versus the jellium model  
Author(s): King RB, Silaghi-Dumitrescu ISource: **DALTON TRANSACTIONS** Issue: **44** Pages: **6083-6088** Published: **2008**

Title: Beyond the icosahedron: A density functional theory study of 14-atom germanium clusters  
Author(s): King RB, Silaghi-Dumitrescu I, Uta MMSource: **EUROPEAN JOURNAL OF INORGANIC CHEMISTRY** Issue: **25** Pages: **3996-4003** Published: **SEP 2008**

Title: Polyhedral structures with three-, four-, and five fold symmetry in metal-centered ten-vertex germanium clusters  
Author(s): King RB, Silaghi-Dumitrescu I, Uta MMSource: **CHEMISTRY-A EUROPEAN JOURNAL** Volume: **14** Issue: **15** Pages: **4542-4550** Published: **2008**

Title: Beyond the Wade-Mingos rules in bare 10- and 12-vertex germanium clusters: Transition states for symmetry breaking processes  
Author(s): King RB, Silaghi-Dumitrescu I, Uta MMSource: **JOURNAL OF CHEMICAL THEORY AND COMPUTATION** Volume: **4** Issue: **1** Pages: **209-215** Published: **JAN 2008**

**15. Molecular rotors: Design, synthesis, structural analysis, and silver complex of new [7.7] cyclophanes Citari 8**

Title: Design and Synthesis of Sn-Porphyrin Based Molecular Gates  
Author(s): Guenet A, Graf E, Kyritsakas N, et al.Source: **INORGANIC CHEMISTRY** Volume: **49** Issue: **4** Pages:**1872-1883** Published: **FEB 15 2010**

Title: A Computational Study of Tetrafluoro-[2.2]Cyclophanes  
Author(s): Caramori GF, Galembeck SESource: **JOURNAL OF PHYSICAL CHEMISTRY A** Volume: **112** Issue: **46** Pages: **11784-11800** Published: **NOV 20 2008**

Title: Temperature induced rotation in a [4.4]cyclophane  
Author(s): Bogdan ND, Condamine E, Toupet L, et al.Source: **TETRAHEDRON LETTERS** Volume: **49** Issue: **35** Pages: **5204-5207** Published: **AUG 25 2008**

Title: New [4.4]cyclophanes: Molecular parallelograms, triangles, rhombuses, pentagons, and supramolecular constructions  
Author(s): Bogdan N, Condamine E, Toupet L, et al.Source: **JOURNAL OF ORGANIC CHEMISTRY** Volume: **73** Issue: **15** Pages: **5831-5838** Published: **AUG 1 2008**

Title: Unsaturated strained cyclophanes based on dibenz[a,j]anthracene by an intramolecular McMurry olefination  
Author(s): Chen HB, Yin J, Wang Y, et al.Source: **ORGANIC LETTERS** Volume: **10** Issue: **14** Pages: **3113-3116** Published: **JUL 17 2008**

Title: Molecular rotors as simple models to study amide NH - Aromatic interactions and their role in the folding of peptide-like structures  
Author(s): Alfonso I, Burguete MI, Galindo F, et al.Source: **JOURNAL OF ORGANIC CHEMISTRY** Volume: **72** Issue:**21** Pages: **7947-7956** Published: **OCT 12 2007**

Title: New [4.4]Cyclophane diketals, monoketones, and diketones: Design, synthesis, and structural analysis  
Author(s): Bogdan N, Grosu I, Condamine E, et al.Source: **EUROPEAN JOURNAL OF ORGANIC CHEMISTRY** Issue:**28** Pages: **4674-4687** Published: **OCT 2007**

Title: Synthesis and stereochemistry of some new 1,3,5-tris(1,3-dioxan-2-yl)-benzene derivatives  
Author(s): Florian MC, Circu M, Toupet L, et al.Source: **CENTRAL EUROPEAN JOURNAL OF CHEMISTRY** Volume: **4** Issue: **4** Pages: **808-821** Published: **DEC 2006**

**16. Butterfly diradical intermediates in photochemical reactions of Fe-2(CO)(6)(mu-S-2) Citari17:**

Title: Binuclear cyclopentadienylcobalt sulfur and phosphinidene complexes Cp<sub>2</sub>Co<sub>2</sub>E<sub>2</sub> (E = S, PX): Comparison with their Iron carbonyl analogues  
Author(s): Li GL, Li QS, Silaghi-Dumitrescu I, et al.Source: **JOURNAL OF ORGANOMETALLIC CHEMISTRY** Volume:**695** Issue: **6** Pages: **804-808** Published: **MAR 15 2010**

Title: Metal-Metal Bonding in Binuclear Metal Carbonyls with Three Bridging Methylaminobis(difluorophosphine) Ligands: Iron, Cobalt, and Nickel Derivatives  
Author(s): Zou R, Li QS, Xie YM, et al.Source: **INORGANIC CHEMISTRY** Volume: **49** Issue: **5** Pages: **2280-2289** Published: **MAR 1 2010**

Title: Binuclear Nickel Carbonyl Thiocarbonyls: Metal-Metal Multiple Bonds versus Four-Electron Donor Thiocarbonyl Groups

Author(s): Zhang Z, Li QS, Xie Y, et al. Source: **JOURNAL OF PHYSICAL CHEMISTRY A** Volume: **114** Issue: **6** Pages: **2365-2375** Published: **FEB 18 2010**

Title: Possibilities for Titanium-Titanium Multiple Bonding in Binuclear Cyclopentadienyltitanium Carbonyls: 16-Electron Metal Configurations and Four-Electron Donor Bridging Carbonyl Groups as Alternatives

Author(s): Zhang XH, Li QS, Xie YM, et al. Source: **INORGANIC CHEMISTRY** Volume: **49** Issue: **4** Pages: **1961-1975** Published: **FEB 15 2010**

Title: Butterfly and rhombus structures for binuclear cobalt carbonyl sulfur and phosphinidene complexes of the type Co-2(CO)(6)E-2 (E = S, PX)

Author(s): Li GL, Li QS, Silaghi-Dumitrescu I, et al. Source: **DALTON TRANSACTIONS** Issue: **47** Pages: **10474-10480** Published: **2009**

Title: Prospects for Making Organometallic Compounds with BF Ligands: Fluoroborylene Iron Carbonyls

Author(s): Xu LC, Li QS, Xie YM, et al. Source: **INORGANIC CHEMISTRY** Volume: **49** Issue: **3** Pages: **1046-1055** Published: **FEB 1 2010**

Title: Introducing a dark reaction to photochemistry: photocatalytic hydrogen from [FeFe] hydrogenase active site model complexes

Author(s): Lomoth R, Ott S Source: **DALTON TRANSACTIONS** Issue: **45** Pages: **9952-9959** Published: **2009**

Title: Activation of the S-H Group in Fe( $\mu$ (2)-SH)Fe Clusters: S-H Bond Strengths and Free Radical Reactivity of the Fe( $\mu$ (2)-SH)Fe Cluster

Author(s): Franz JA, Lee SJ, Bowden TA, et al. Source: **JOURNAL OF THE AMERICAN CHEMICAL SOCIETY** Volume: **131** Issue: **42** Pages: **15212-15224** Published: **OCT 28 2009**

Title: Ionic-Type Reactivity of 1,3-Dibora-2,4-diphosphoniocyclobutane-1,3-diyls: Regio- and Stereoselective Addition of Hydracids

Author(s): Fuks G, Saffon N, Maron L, et al. Source: **JOURNAL OF THE AMERICAN CHEMICAL SOCIETY** Volume: **131** Issue: **38** Pages: **13681-13689** Published: **SEP 30 2009**

Title: Binuclear Cobalt Thiocarbonyl Carbonyl Derivatives: Comparison with Homoleptic Binuclear Cobalt Carbonyls

Author(s): Zhang Z, Li QS, Xie YM, et al. Source: **INORGANIC CHEMISTRY** Volume: **48** Issue: **13** Pages: **5973-5982** Published: **JUL 6 2009**

Title: Iron Carbonyl Thiocarbonyls: Effect of Substituting a Thiocarbonyl Group for a Carbonyl Group in Mononuclear and Binuclear Iron Carbonyl Derivatives

Author(s): Zhang Z, Li OS, Xie YM, et al. Source: **INORGANIC CHEMISTRY** Volume: **48** Issue: **5** Pages: **1974-1988** Published: **MAR 2 2009**

Title: Unsaturation in binuclear benzene manganese carbonyls: Comparison with isoelectronic cyclopentadienyliron and cyclobutadienecobalt derivatives

Author(s): Wang HY, Xie YM, King RB, et al. Source: **ORGANOMETALLICS** Volume: **27** Issue: **18** Pages: **4572-4579** Published: **SEP 22 2008**

Title: Formal chromium-chromium triple bonds and bent rings in the binuclear cycloheptatrienylchromium carbonyls (C<sub>7</sub>H<sub>7</sub>)<sub>2</sub>Cr-2(CO)<sub>n</sub> (n = 6, 5, 4, 3, 2, 1, 0): A density functional theory study

Author(s): Wang HY, Xie YM, King RB, et al. Source: **JOURNAL OF ORGANOMETALLIC CHEMISTRY** Volume: **693** Issue: **20** Pages: **3201-3212** Published: **OCT 1 2008**

Title: Multiple-timescale photoreactivity of a model compound related to the active site of [FeFe]-hydrogenase

Author(s): Ridley AR, Stewart AI, Adamczyk K, et al. Source: **INORGANIC CHEMISTRY** Volume: **47** Issue: **17** Pages: **7453-7455** Published: **SEP 1 2008**

Title: Refining the active site structure of iron-iron hydrogenase using computational infrared spectroscopy  
Author(s): Tye JW, Darensbourg MY, Hall MBSource: **INORGANIC CHEMISTRY** Volume: **47** Issue: **7** Pages:**2380-2388** Published: **APR 7 2008**

Title: Interplay among tetrahedrane, butterfly diradical, and planar rhombus structures in the chemistry of the binuclear iron carbonyl phosphinidene complexes Fe-2(CO)(6)(PX)(2)  
Author(s): Silaghi-Dumitrescu I, Bitterwolf TE, King RBSource: **JOURNAL OF THE AMERICAN CHEMICAL SOCIETY** Volume: **130** Issue: **3** Pages: **901-906** Published: **JAN 23 2008**

Title: Spectroscopic detection and theoretical confirmation of the role of Cr-2(CO)(5)(C5R5)(2) and center dot Cr(CO)(2)(ketene)(C5R5) as intermediates in carbonylation of N=N=CHSiMe3 to O=C=CHSiMe3 by center dot Cr(CO)(3)(C5R5) (R = H, CH3)  
Author(s): Fortman GC, Kegl T, Li QS, et al.Source: **JOURNAL OF THE AMERICAN CHEMICAL SOCIETY** Volume:**129** Issue: **46** Pages: **14388-14400** Published: **NOV 21 2007**

**17.** 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)

Citari: 5

Title: Synthesis and structural characterization of a mixed aggregate containing a lithium thiolate and a lithium amide  
Author(s): Goto K, Takahashi Y, Kawashima TSource: **JOURNAL OF SULFUR CHEMISTRY** Volume: **30** Issue: **3-4** Special Issue: **Sp. Iss. SI** Pages: **365-369** Published: **2009**

Title: Bis(phosphanyl amino) benzene ligands: a zinc(II) complex and an unusual nickel(I) complex with a Dewar-benzene-type Ni2P2N2 backbone  
Author(s): Majoumo-Mbe F, Kuhl O, Lonneck P, et al.Source: **DALTON TRANSACTIONS** Issue: **23** Pages: **3107-3114** Published: **200**

Title: From the alkyllithium aggregate [ $\{(n\text{BuLi})_2\text{center dot PMDTA}\}_2$ ] to lithiated PMDTA  
Author(s): Strohmann C, Gessner VHSources: **ANGEWANDTE CHEMIE-INTERNATIONAL EDITION** Volume: **46** Issue:**24** Pages: **4566-4569** Published: **2007**

Title: Carbanions with two N substituents: Nucleophilic acyl-group-transfer reagents  
Author(s): Bojer D, Kamps I, Tian X, et al.Source: **ANGEWANDTE CHEMIE-INTERNATIONAL EDITION** Volume: **46** Issue: **22** Pages: **4176-4179** Published: **2007**

Title: New reactivity and structural insights of alkali-metal-mediated aluminations in directed ortho-alumination of a tertiary aromatic amide  
Author(s): Garcia-Alvarez J, Graham DV, Kennedy AR, et al.Source: **CHEMICAL COMMUNICATIONS** Issue: **30** Pages: **3208-3210** Published: **2006**

**18.** Title: Density functional theory study of eight-atom germanium clusters: effect of electron count on cluster geometry  
Citari: 10

Title: The Unique Palladium-Centered Pentagonal Antiprismatic Cationic Bismuth Cluster: A Comparison of Related Metal-Centered 10-Vertex Pnictogen Cluster Structures by Density Functional Theory  
Author(s): King RB, Silaghi-Dumitrescu I, Uta MMSource: **INORGANIC CHEMISTRY** Volume: **48** Issue: **17** Pages:**8508-8514** Published: **SEP 7 2009**

Title: GERMANIUM CLUSTER POLYHEDRA  
Author(s): Silaghi-Dumitrescu I, King BSource: **STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA** Volume: **53** Issue: **2** Pages: **83-88** Published: **2008**

Title: Effect of Charge and Composition on the Structural Fluxionality and Stability of Nine Atom Tin-Bismuth Zintl Analogues  
Author(s): Gupta U, Reber AC, Clayborne PA, et al.Source: **INORGANIC CHEMISTRY** Volume: **47** Issue: **23** Pages: **10953-10958** Published: **DEC 1 2008**

Title: The role of "external" lone pairs in the chemical bonding of bare post-transition element clusters: the Wade-Mingos rules versus the jellium model

Author(s): King RB, Silaghi-Dumitrescu I Source: **DALTON TRANSACTIONS** Issue: **44** Pages: **6083-6088** Published: **2008**

Title: Singly bonded catenated germanes: Eighty years of progress

Author(s): Amadoruge ML, Weinert CS Source: **CHEMICAL REVIEWS** Volume: **108** Issue: **10** Pages: **4253-4294** Published: **OCT 2008**

Title: Beyond the icosahedron: A density functional theory study of 14-atom germanium clusters

Author(s): King RB, Silaghi-Dumitrescu I, Uta MM Source: **EUROPEAN JOURNAL OF INORGANIC CHEMISTRY** Issue: **25** Pages: **3996-4003** Published: **SEP 2008**

Title: Beyond the Wade-Mingos rules in bare 10- and 12-vertex germanium clusters: Transition states for symmetry breaking processes

Author(s): King RB, Silaghi-Dumitrescu I, Uta MM Source: **JOURNAL OF CHEMICAL THEORY AND COMPUTATION** Volume: **4** Issue: **1** Pages: **209-215** Published: **JAN 2008**

Title: Density functional theory study of twelve-atom germanium clusters: conflict between the Wade-Mingos rules and optimum vertex degrees

Author(s): King RB, Silaghi-Dumitrescu I, Uta MM Source: **DALTON TRANSACTIONS** Issue: **3** Pages: **364-372** Published: **2007**

Title: Density functional theory study of 10-atom germanium clusters: Effect of electron count on cluster geometry

Author(s): King RB, Silaghi-Dumitrescu I, Uta MM Source: **INORGANIC CHEMISTRY** Volume: **45** Issue: **13** Pages: **4974-4981** Published: **JUN 26 2006**

Title: Rules for counting electrons and three-dimensional aromaticity

Author(s): Shainyan BA Source: **RUSSIAN JOURNAL OF ORGANIC CHEMISTRY** Volume: **42** Issue: **2** Pages: **304-306** Published: **FEB 2006**

19. Density functional study of 8- and 11-vertex polyhedral borane structures: Comparison with bare germanium clusters

Citari: 3

Title: GERMANIUM CLUSTER POLYHEDRA

Author(s): Silaghi-Dumitrescu I, King B Source: **STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA** Volume: **53** Issue: **2** Pages: **83-88** Published: **2008**

Title: Effects of halogen substitution on the properties of eight- and nine-vertex closo-boranes

Author(s): Corminboeuf C, Wodrich MD, King RB, et al. Source: **DALTON TRANSACTIONS** Issue: **13** Pages: **1745-1751** Published: **APR 7 2008**

Title: First-principles study on the stability of intermediate compounds of LiBH<sub>4</sub>

Author(s): Ohba N, Miwa K, Aoki M, et al. Source: **PHYSICAL REVIEW B** Volume: **74** Issue: **7** Article Number: **075110** Published:

20. Adsorption of 6-mercaptopurine and 6-mercaptopurine-riboside on silver colloid: A pH-dependent surface-enhanced Raman spectroscopy and density functional theory study. II. 6-Mercaptopurine-riboside

Citari: 4

Title: SERS Not To Be Taken for Granted in the Presence of Oxygen

Author(s): Erol M, Han Y, Stanley SK, et al. Source: **JOURNAL OF THE AMERICAN CHEMICAL SOCIETY** Volume: **131** Issue: **22** Pages: **7480+** Published: **JUN 10 2009**

Title: Time fluctuations and imaging in the SERS spectra of fungal hypha grown on nanostructured substrates

Author(s): Szeghalmi A, Kaminskyj S, Rosch P, et al. Source: **JOURNAL OF PHYSICAL CHEMISTRY B** Volume: **111** Issue: **44** Pages: **12916-12924** Published: **NOV 8 2007**

Title: Electromagnetic mechanism of SERS  
Author(s): Schatz GC, Young MA, Van Duyne RP Source: **SURFACE-ENHANCED RAMAN SCATTERING: PHYSICS AND APPLICATIONS** Book Series: **TOPICS IN APPLIED PHYSICS** Volume: **103** Pages: **19-45** Published: **2006**

Title: On the experimental estimation of surface enhanced raman scattering (SERS) cross sections by vibrational pumping  
Author(s): Maher RC, Cohen LF, Le Ru EC, et al. Source: **JOURNAL OF PHYSICAL CHEMISTRY B** Volume: **110** Issue: **39** Pages: **19469-19478** Published: **OCT 5 2006**

21. Title: Anodic oxidation of difluorenyls bridged through a dimethylsilyl group and of the 9-trimethylsilyl fluorene: Towards new three-dimensional polyfluorenes

Citari: 1

Title: Anodic oxidation of indenofluorene. Electrodeposition of electroactive poly(indenofluorene)  
Author(s): Rault-Berthelot J, Poriel C, Justaud F, et al. Source: **NEW JOURNAL OF CHEMISTRY** Volume: **32** Issue: **7** Pages: **1259-1266** Published: **2008**

22. Density functional theory study of 11-atom germanium clusters: Effect of electron count on cluster geometry  
Citari: 12

The Unique Palladium-Centered Pentagonal Antiprismatic Cationic Bismuth Cluster: A Comparison of Related Metal-Centered 10-Vertex Pnictogen Cluster Structures by Density Functional Theory  
Author(s): King RB, Silaghi-Dumitrescu I, Uta MM Source: **INORGANIC CHEMISTRY** Volume: **48** Issue: **17** Pages: **8508-8514** Published: **SEP 7 2009**

Title: Group theoretical treatment of Jahn-Teller versus spin-orbit effects on geometries, rovibronic levels and nuclear spin species of bismuth and antimony clusters  
Author(s): Balasubramanian K Source: **MOLECULAR PHYSICS** Volume: **107** Issue: **8-12** Special Issue: **Sp. Iss. SI** Pages: **797-807** Published: **2009**

Title: Density functional calculation of the geometric and magnetic properties of MPb10 (M = Ti, V, Cr, Cu, Pd) clusters

Author(s): Yang J, Wang NY, Zhu DJ, et al. Source: **ACTA PHYSICA SINICA** Volume: **58** Issue: **5** Pages: **3112-3117** Published: **MAY 2009**

Title: Effect of Charge and Composition on the Structural Fluxionality and Stability of Nine Atom Tin-Bismuth Zintl Analogues

Author(s): Gupta U, Reber AC, Clayborne PA, et al. Source: **INORGANIC CHEMISTRY** Volume: **47** Issue: **23** Pages: **10953-10958** Published: **DEC 1 2008**

Title: The role of "external" lone pairs in the chemical bonding of bare post-transition element clusters: the Wade-Mingos rules versus the jellium model

Author(s): King RB, Silaghi-Dumitrescu I Source: **DALTON TRANSACTIONS** Issue: **44** Pages: **6083-6088** Published: **2008**

Title: Beyond the icosahedron: A density functional theory study of 14-atom germanium clusters

Author(s): King RB, Silaghi-Dumitrescu I, Uta MM Source: **EUROPEAN JOURNAL OF INORGANIC CHEMISTRY** Issue: **25** Pages: **3996-4003** Published: **SEP 2008**

Title: Beyond the Wade-Mingos rules in bare 10- and 12-vertex germanium clusters: Transition states for symmetry breaking processes

Author(s): King RB, Silaghi-Dumitrescu I, Uta MM Source: **JOURNAL OF CHEMICAL THEORY AND COMPUTATION** Volume: **4** Issue: **1** Pages: **209-215** Published: **JAN 2008**

Title: Geometric structures, electronic properties, and magnetism of M<sub>2</sub>Sn<sub>17</sub> (M = Ni, Mn) and their anions

Author(s): Chen X, Lu GL, Tang CM, et al. Source: **ACTA PHYSICA SINICA** Volume: **56** Issue: **9** Pages: **5216-5220** Published: **SEP 2007**

Title: Density functional theory study of twelve-atom germanium clusters: conflict between the Wade-Mingos rules and optimum vertex degrees

Author(s): King RB, Silaghi-Dumitrescu I, Uta MM Source: **DALTON TRANSACTIONS** Issue: **3** Pages: **364-372** Published: **2007**

Title: New low symmetry low energy structures of 11-atom bare germanium clusters: A density functional theory study

Author(s): King RB, Silaghi-Dumitrescu I, Lupan A Source: **CHEMICAL PHYSICS** Volume: **327** Issue: **2-3** Pages: **344-350** Published: **SEP 11 2006**

Title: Density functional theory study of 10-atom germanium clusters: Effect of electron count on cluster geometry

Author(s): King RB, Silaghi-Dumitrescu I, Uta MM Source: **INORGANIC CHEMISTRY** Volume: **45** Issue: **13** Pages: **4974-4981** Published: **JUN 26 2006**

Title: Density functional study of 8- and 11-vertex polyhedral borane structures: Comparison with bare germanium clusters

Author(s): King RB, Silaghi-Dumitrescu I, Lupan A Source: **INORGANIC CHEMISTRY** Volume: **44** Issue: **22** Pages: **7819-7824** Published: **OCT 31 2005**

23. A surprisingly stable 1-(chlorosilyl)-2-phosphaethenyllithium compound,  $\text{RCl}_2\text{SiC}(\text{Li})=\text{PMes}$

Citari: 1

Title: Chlorophosphaalkenyl- and chloroalkenylstibanes

Author(s): Baiget L, El Ayoubi R, Ranaivonjatovo H, et al. Source: **JOURNAL OF ORGANOMETALLIC CHEMISTRY** Volume: **693** Issue: **13** Pages: **2293-2298** Published: **JUN 15 2008**

24. Difluorenylsilanes, -germanes, and -stannanes exhibiting an unprecedented parallel arrangement of the fluorene units

Citari: 5

Title: Secondary interactions in heteroallenic systems with  $\text{P}=\text{C}-\text{E}$  units

Author(s): Nemes G, Silaghi-Dumitrescu I, Petrar PM, et al. Source: **STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA** Volume: **52** Issue: **1** Pages: **3-9** Published: **2007**

Title: Silatropic migration in (1-trimethylsilylindenyl) (indenyl) dimethylsilane, bis(1-trimethylsilylindenyl)dimethylsilane and related compounds

Author(s): Nemes G, Silaghi-Dumitrescu L, Silaghi-Dumitrescu L, et al. Source: **REVUE ROUMAINE DE CHIMIE** Volume: **52** Issue: **8-9** Pages: **809+** Published: **AUG-SEP 2007**

Title: Hydrogen-hydrogen bonding in biphenyl revisited

Author(s): Hernandez-Trujillo J, Matta CF Source: **STRUCTURAL CHEMISTRY** Volume: **18** Issue: **6** Pages: **849-857** Published: **DEC 2007**

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

Author(s): Wolstenholme DJ, Cameron TS Source: **CANADIAN JOURNAL OF CHEMISTRY-REVUE CANADIENNE DE CHIMIE** Volume: **85** Issue: **9** Pages: **576-585** Published: **SEP 2007**

Title: Experimental and theoretical electron density study of a highly twisted polycyclic aromatic hydrocarbon: 4-methyl-[4]helicene

Author(s): Wolstenholme DJ, Matta CF, Cameront TS Source: **JOURNAL OF PHYSICAL CHEMISTRY A** Volume: **111** Issue: **36** Pages: **8803-8813** Published: **SEP 13 2007**

25. Adsorption of 6-mercaptapurine and 6-mercaptapurine riboside on silver colloid: a pH dependent surface enhanced Raman spectroscopy and density functional theory study. Part I. 6-Mercaptapurine

Citari: 11



Title: Computational prediction of vibrational spectra of normal and modified DNA nucleobases  
Author(s): Shanmugasundaram M, Puranik M Source: **JOURNAL OF RAMAN SPECTROSCOPY** Volume: **40** Issue: **12** Pages: **1726-1748** Published: **DEC 2009**

Title: Captopril and 6-mercaptopurine: Whose SH possesses higher antioxidant ability?  
Author(s): Li GX, Liu ZQ Source: **EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY** Volume: **44** Issue: **12** Pages: **4841-4847** Published: **DEC 2009**

Title: Tuning the Surface-Enhanced Raman Scattering Effect to Different Molecular Groups by Switching the Silver Colloid Solution pH  
Author(s): Kazanci M, Schulte JP, Douglas C, et al. Source: **APPLIED SPECTROSCOPY** Volume: **63** Issue: **2** Pages: **214-223** Published: **FEB 2009**

Title: Recent Pharmaceutical Applications of Raman and Terahertz Spectroscopies  
Author(s): McGoverin CM, Rades T, Gordon KC Source: **JOURNAL OF PHARMACEUTICAL SCIENCES** Volume: **97** Issue: **11** Pages: **4598-4621** Published: **NOV 2008**

Title: Voltammetric determination of 6-mercaptopurine using [Co(phen)(3)](3+)/MWNT modified graphite electrode  
Author(s): Lu BY, Li H, Deng H, et al. Source: **JOURNAL OF ELECTROANALYTICAL CHEMISTRY** Volume: **621** Issue: **1** Pages: **97-102** Published: **SEP 1 2008**

Title: Time fluctuations and imaging in the SERS spectra of fungal hypha grown on nanostructured substrates  
Author(s): Szeghalmi A, Kaminskyj S, Rosch P, et al. Source: **JOURNAL OF PHYSICAL CHEMISTRY B** Volume: **111** Issue: **44** Pages: **12916-12924** Published: **NOV 8 2007**

Title: Stabilization of gold nanoparticles by 6-mercaptopurine monolayers. Effects of the solvent properties  
Author(s): Viudez AJ, Madueno R, Pineda T, et al. Source: **JOURNAL OF PHYSICAL CHEMISTRY B** Volume: **110** Issue: **36** Pages: **17840-17847** Published: **SEP 14 2006**

Title: Raman studies on the coverage integrity of monolayers formed on silver from various omega-functionalised alkanethiols  
Author(s): Kudelski A Source: **VIBRATIONAL SPECTROSCOPY** Volume: **41** Issue: **1** Pages: **83-89** Published: **MAY 30 2006**

Title: The studies of tautomerism in 6-mercaptopurine derivatives by H-1-C-13, H-1-N-15 NMR and C-13, N-15 CPMAS-experimental and quantum chemical approach  
Author(s): Pazderski L, Lakomska I, Wojtczak A, et al. Source: **JOURNAL OF MOLECULAR STRUCTURE** Volume: **785** Issue: **1-3** Pages: **205-215** Published: **MAR 6 2006**

Title: Determination of 6-mercaptopurine based on the fluorescence enhancement of Au nanoparticles  
Author(s): Shen XC, Jiang LF, Liang H, et al.  
Conference Information: 1st Workshop on Validation of Robustness of Sensors and Bioassays for Screening Pollutants, DEC 02-03, 2004 Menorca, SPAIN Source: **TALANTA** Volume: **69** Issue: **2** Pages: **456-462** Published: **APR 15 2006**

Title: Adsorption of 6-mercaptopurine and 6-mercaptopurine-riboside on silver colloid: A pH-dependent surface-enhanced Raman spectroscopy and density functional theory study. II. 6-Mercaptopurine-riboside  
Author(s): Szeghalmi AV, Leopold L, Pinzaru S, et al. Source: **BIOPOLYMERS** Volume: **78** Issue: **6** Pages: **298-310** Published: **AUG 15 2005**

26. The first evidence for a transient stibaallene  $ArSb = C = CR_2$

Citari: 2

Title: Chlorophosphaalkenyl- and chloroalkenylstibanes  
Author(s): Baiget L, El Ayoubi R, Ranaivonjatovo H, et al. Source: **JOURNAL OF ORGANOMETALLIC CHEMISTRY** Volume: **693** Issue: **13** Pages: **2293-2298** Published: **JUN 15 2008**

Title: Group 14 and 15 heteroallenes E=C=C and E=C=E '  
Author(s): Escudie J, Ranaivonjatovo H Source: **ORGANOMETALLICS** Volume: **26** Issue: **7** Pages: **1542-1559** Published: **MAR 26 2007**

## 2. Alte citări ale lucrărilor listate mai sus

### 3. Citări în perioada 2005-2009 ale articolelor anterioare anului 2005

1. Tin(IV) halide complexes of AsPh<sub>3</sub>: The structures of trans-SnCl<sub>4</sub>(AsPh<sub>3</sub>)<sub>2</sub> and SnBr<sub>4</sub>(AsPh<sub>3</sub>)<sub>2</sub>  
dot AsPh<sub>3</sub>

Author(s): Mahon, MF; Moldovan, NL; Molloy, KC, et al.  
Source: **DALTON TRANSACTIONS** Issue: **23** Pages: **4017-4021** Published: **2004**  
Times Cited: **3**

Title: The reaction of tin(IV) iodide with phosphines: formation of new halotin anions

1. Author(s): Apostolico L, Kociok-Kohn G, Molloy KC, et al. Source: **DALTON TRANSACTIONS** Issue: **47** Pages: **10486-10494** Published: **2009**  
Times Cited: **0**

Title: Crystal and Molecular Structures of Some Six-Coordinate Tin(IV) Halogeno Complexes with  
2. Phosphorus-Containing Ligands

Author(s): Batsanov AS, Deng RMK, Dillon KB, et al. Source: **HETEROATOM CHEMISTRY** Volume: **20** Issue: **3** Pages: **136-143** Published: **2009**  
Times Cited: **0**

Title: Tin(IV) fluoride complexes with tertiary phosphane ligands - A comparison of hard and soft donor  
3. ligands

Author(s): Davis MF, Clarke M, Levason W, et al. Source: **EUROPEAN JOURNAL OF INORGANIC CHEMISTRY** Issue: **14** Pages: **2773-2782** Published: **JUL 17 2006**  
Times Cited: **13**

2. Title: 3,7-dioxa-1-azabicyclo[3.3.0]octanes substituted at the C-5 position - From local to global stereochemistry

Author(s): Darabantu, M; Maieranu, C; Silaghi-Dumitrescu, I, et al.  
Source: **EUROPEAN JOURNAL OF ORGANIC CHEMISTRY** Issue: **12** Pages: **2644-2661** Published: **JUN 14 2004**

Title: SERINOLIC APPROACH IN THE SYNTHESIS OF THE 3-OXA-7-THIA-1-

1. AZABICYCLO[3.3.0]OCTANE SKELETON FUNCTIONALISED AT THE C-5 POSITION  
Author(s): But A, Batiu C, Ramondenc Y, et al. Source: **REVUE ROUMAINE DE CHIMIE** Volume: **54** Issue: **2** Pages: **127-132** Published: **FEB 2009**  
Times Cited: **0**

Title: CYSTEINOLS: IMPROVED SYNTHESIS OF 2-AMINO-2-(MERCAPTOMETHYL)PROPANE-1,3-  
2. DIOL HYDROCHLORIDE

Author(s): But A, Batiu C, Porumb D, et al. Source: **STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA** Volume: **53** Issue: **4** Pages: **43-50** Published: **2008**  
Times Cited: **0**

Title: (3R,5S,7as)-(3,5-Bis(4-fluorophenyl)tetrahydro-1H-oxazolo[3,4-c]oxazol-7a-yl)methanol, a Novel  
3. Neuroprotective Agent

Author(s): Desino KE, Ansar S, Georg GI, et al. Source: **JOURNAL OF MEDICINAL**

4. Title: Serinolic amino-s-triazines: iterative synthesis and rotational stereochemistry phenomena as N-substituted derivatives of 2-aminopropane-1,3-diols  
Author(s): Pintea M, Fazekas M, Larnearas P, et al. Source: **TETRAHEDRON** Volume: **64** Issue: **37** Pages: **8851-8870** Published: **SEP 8 2008**  
Times Cited: **2**
5. Title: Serinolic amino-s-triazines: Iterative synthesis of N-substituted amino-1,3-dioxane derivatives from l-(p-nitrophenyl)serinols and rotational stereochemistry phenomena  
Author(s): Fazekas M, Pintea M, Lameiras P, et al. Source: **EUROPEAN JOURNAL OF ORGANIC CHEMISTRY** Issue:**14** Pages: **2473-2494** Published: **MAY 2008**  
Times Cited: **5**
6. Title: Substituent effects in the ring-chain tautomerism of 4-alkyl-2aryl substituted oxazolidines and tetrahydro-1,3-oxazines  
Author(s): Juhasz M, Lazar L, Fulop F Source: **JOURNAL OF HETEROCYCLIC CHEMISTRY** Volume: **44** Issue: **6** Pages: **1465-1473** Published: **NOV-DEC 2007**  
Times Cited: **3**
7. Title: First synthesis of a G-2 melamine dendrimer with serinolic peripheral groups  
Author(s): Darabantu M, Pintea M, Fazekas M, et al. Source: **LETTERS IN ORGANIC CHEMISTRY** Volume: **3** Issue:**12** Pages: **905-910** Published: **DEC 2006**  
Times Cited: **8**
3. Title: The conformational analysis of some calix[4]arenes substituted at the "lower rim" with organophosphorus groups  
Author(s): Ursales, TN; Silaghi-Dumitrescu, I  
Source: **REVUE ROUMAINE DE CHIMIE** Volume: **49** Issue: **5** Pages: **437-441** Published: **MAY 2004**
1. Title: A macrobicyclic calix[6]arene phosphocine: Conformational studies involving high-resolution NMR analysis and molecular modeling  
Author(s): Regnouf-De-Vains JB, Cartier A, Fenet B, et al. Source: **HELVETICA CHIMICA ACTA** Volume: **88** Issue: **5** Pages: **1110-1125** Published: **2005**  
Times Cited: **4**
4. Title: New materials based on phosphorilated calix[n]arene  
Author(s): Ursales, TN; Silaghi-Dumitrescu, I; Popovici, EJ, et al.  
Source: **JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS** Volume: **6** Issue: **1** Pages: **307-313** Published: **MAR 2004**
1. Title: Narrow-Rim Alkenyl Calix[n]Arene Synthesis and Spectral Characterization  
Author(s): Saponar A, Popovici EJ, Popovici N, et al. Source: **REVISTA DE CHIMIE** Volume: **60** Issue: **3** Pages:**278-282** Published: **MAR 2009**  
Times Cited: **0**
2. Title: Calix[n]arene derivatives with binding properties toward Eu<sup>3+</sup>  
Author(s): Saponar A, Silaghi-Dumitrescu I, Popovici EJ, et al. Source: **STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA** Volume: **52** Issue: **4** Pages: **67-74** Published: **2007**  
Times Cited: **0**
3. Title: Synthesis and characterization of calix[4]arene with different donor groups at the "NARROW" RIM  
Author(s): Saponar A, Silaghi-Dumitrescu I, Popovici EJ, et al. Source: **REVISTA DE CHIMIE** Volume: **58** Issue: **5** Pages: **481-483** Published: **MAY 2007**  
Times Cited: **1**
4. Title: Optical spectroscopy and theoretical studies in calixarene chemistry

Author(s): Mohammed-Ziegler I, Billes F  
Source: **JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY** Volume: **58** Issue: **1-2** Pages: **19-42** Published: **JUN 2007**  
Times Cited: **8**

5.

Title: Density functional theory study of nine-atom germanium clusters: Effect of electron count on cluster geometry

Author(s): King, RB; Silaghi-Dumitrescu, I  
Source: **INORGANIC CHEMISTRY** Volume: **42** Issue: **21** Pages: **6701-6708** Published: **OCT 20 2003**

1. Title: The Unique Palladium-Centered Pentagonal Antiprismatic Cationic Bismuth Cluster: A Comparison of Related Metal-Centered 10-Vertex Pnictogen Cluster Structures by Density Functional Theory  
Author(s): King RB, Silaghi-Dumitrescu I, Uta MMS  
Source: **INORGANIC CHEMISTRY** Volume: **48** Issue: **17** Pages: **8508-8514** Published: **SEP 7 2009**  
Times Cited: **0**

2. Title: Lithium-Doped Germanium Nanowire? Experimental and Theoretical Indication  
Author(s): Gopakumar G, Wang X, Lin L, et al.  
Source: **JOURNAL OF PHYSICAL CHEMISTRY C** Volume: **113** Issue: **25** Pages: **10858-10867** Published: **JUN 25 2009**  
Times Cited: **1**

3. Title: Helical and linear [K(As-11)](2-) chains: Role of solvent on the conformation of chains formed by Zintl anions  
Author(s): Reber AC, Ugrinov A, Sen A, et al.  
Source: **CHEMICAL PHYSICS LETTERS** Volume: **473** Issue: **4-6** Pages: **305-311** Published: **MAY 12 2009**  
Times Cited: **0**

4. Title: Effect of Charge and Composition on the Structural Fluxionality and Stability of Nine Atom Tin-Bismuth Zintl Analogues  
Author(s): Gupta U, Reber AC, Clayborne PA, et al.  
Source: **INORGANIC CHEMISTRY** Volume: **47** Issue: **23** Pages: **10953-10958** Published: **DEC 1 2008**  
Times Cited: **5**

5. Title: The role of "external" lone pairs in the chemical bonding of bare post-transition element clusters: the Wade-Mingos rules versus the jellium model  
Author(s): King RB, Silaghi-Dumitrescu I  
Source: **DALTON TRANSACTIONS** Issue: **44** Pages: **6083-6088** Published: **2008**  
Times Cited: **3**

6. Title: Beyond the icosahedron: A density functional theory study of 14-atom germanium clusters  
Author(s): King RB, Silaghi-Dumitrescu I, Uta MMS  
Source: **EUROPEAN JOURNAL OF INORGANIC CHEMISTRY** Issue: **25** Pages: **3996-4003** Published: **SEP 2008**  
Times Cited: **0**

7. Title: Beyond the Wade-Mingos rules in bare 10- and 12-vertex germanium clusters: Transition states for symmetry breaking processes  
Author(s): King RB, Silaghi-Dumitrescu I, Uta MMS  
Source: **JOURNAL OF CHEMICAL THEORY AND COMPUTATION** Volume: **4** Issue: **1** Pages: **209-215** Published: **JAN 2008**  
Times Cited: **1**

8. Title: Density functional theory study of twelve-atom germanium clusters: conflict between the Wade-Mingos rules and optimum vertex degrees  
Author(s): King RB, Silaghi-Dumitrescu I, Uta MMS  
Source: **DALTON TRANSACTIONS** Issue: **3** Pages: **364-372** Published: **2007**  
Times Cited: **4**

9. Title: Metalloid cluster compounds of germanium: A novel class of germanium cluster compounds of formulae  $Ge_nR_m$  ( $n > m$ )  
Author(s): Schnepf A  
Source: **COORDINATION CHEMISTRY REVIEWS** Volume: **250** Issue: **21-22** Special Issue: **Sp. Iss. SI** Pages: **2758-2770** Published: **NOV 2006**  
Times Cited: **13**

10. Title: Synthesis and structures of the silyl bridged bis(indenyl) diruthenium complexes and a novel indenyl nonanuclear ruthenium cluster Ru-9( $\mu(6)$ -C)(CO)(14)( $\mu(3)$ - $\eta(5)$ : $\eta(2)$ : $\eta(2)$ -C<sub>9</sub>H<sub>7</sub>)(2)  
Author(s): Chen DF, Mu B, Xu SS, et al. Source: **JOURNAL OF ORGANOMETALLIC CHEMISTRY** Volume: **691** Issue: **18** Pages: **3823-3833** Published: **SEP 1 2006**  
Times Cited: **6**
11. Title: Theoretical studies on doubly and triply linked polymers of Ge-9 clusters  
Author(s): Pancharatna PD, Hoffmann R Source: **INORGANICA CHIMICA ACTA** Volume: **359** Issue: **11** Pages: **3776-3784** Published: **AUG 1 2006**  
Times Cited: **2**
12. Title: Density functional theory study of 10-atom germanium clusters: Effect of electron count on cluster geometry  
Author(s): King RB, Silaghi-Dumitrescu I, Uta M Source: **INORGANIC CHEMISTRY** Volume: **45** Issue: **13** Pages: **4974-4981** Published: **JUN 26 2006**  
Times Cited: **10**
13. Title: Density functional study of 8- and 11-vertex polyhedral borane structures: Comparison with bare germanium clusters  
Author(s): King RB, Silaghi-Dumitrescu I, Lupan A Source: **INORGANIC CHEMISTRY** Volume: **44** Issue: **22** Pages: **7819-7824** Published: **OCT 31 2005**  
Times Cited: **3**
14. Title: Density functional theory study of 11-atom germanium clusters: Effect of electron count on cluster geometry  
Author(s): King RB, Silaghi-Dumitrescu I, Lupan A Source: **INORGANIC CHEMISTRY** Volume: **44** Issue: **10** Pages: **3579-3588** Published: **MAY 16 2005**  
Times Cited: **12**
15. Title: Density functional theory study of eight-atom germanium clusters: effect of electron count on cluster geometry  
Author(s): King RB, Silaghi-Dumitrescu I, Lupan A Source: **DALTON TRANSACTIONS** Issue: **10** Pages: **1858-1864** Published: **2005**  
Times Cited: **10**
6. Title: Influences of changes in multitopic tris(pyrazolyl)methane ligand topology on silver(I) supramolecular structures  
Author(s): Reger, DL; Semeniuc, RF; Silaghi-Dumitrescu, I, et al.  
Source: **INORGANIC CHEMISTRY** Volume: **42** Issue: **12** Pages: **3751-3764** Published: **JUN 16 2003**
1. Title: Supramolecular Architectures of Metal Complexes Controlled by a Strong  $\pi$  center dot center dot center dot  $\pi$  Stacking, 1,8-Naphthalimide Functionalized Third Generation Tris(pyrazolyl)methane Ligand  
Author(s): Reger DL, Sirianni E, Horger JJ, et al. Source: **CRYSTAL GROWTH & DESIGN** Volume: **10** Issue: **1** Pages: **386-393** Published: **JAN 2010**  
Times Cited: **0**
2. Title: Metal-organic chains constructed from pre-organized N<sub>2</sub>S<sub>2</sub> donor ligands  
Author(s): Gennari M, Bassanetti I, Marchio L Source: **POLYHEDRON** Volume: **29** Issue: **1** Special Issue: **Sp. Iss. SI** Pages: **361-371** Published: **JAN 13 2010**  
Times Cited: **0**
3. Title: A Rigidity-Modulated Approach toward the Construction of Metallacycles from a Flexible Tetratopic Ligand  
Author(s): Chuang CH, Sathiyendiran M, Tseng YH, et al. Source: **ORGANOMETALLICS** Volume: **29** Issue: **2** Pages: **283-285** Published: **JAN 25 2010**  
Times Cited: **0**

4. Title: Hydrothermal syntheses, crystal structures and luminescent properties of zinc(II) coordination polymers constructed by bifunctional tetrazolate-5-carboxylate ligands  
Author(s): Wu MF, Zheng FK, Wu AQ, et al.Source: **CRYSTENGCOMM** Volume: **12** Issue: **1** Pages: **260-269** Published: **2010**  
Times Cited: **1**
5. Title: Structural Impact of Multitopic Third-Generation Bis(1-pyrazolyl)methane Ligands: Double, Mononuclear Metallacyclic Silver(I) Complexes  
Author(s): Reger DL, Foley EA, Smith MDSource: **INORGANIC CHEMISTRY** Volume: **49** Issue: **1** Pages: **234-242** Published: **JAN 1 2010**  
Times Cited: **0**
6. Title: Structural, Magnetic, and Mossbauer Spectral Study of the Electronic Spin-State Transition in [Fe{HC(3-Mepz)(2)(5-Mepz)}(2)](BF4)(2)  
Author(s): Reger DL, Elgin JD, Foley EA, et al.Source: **INORGANIC CHEMISTRY** Volume: **48** Issue: **19** Pages:**9393-9401** Published: **OCT 5 2009**  
Times Cited: **0**
7. Title: Mononuclear Metallacyclic Silver(I) Complexes of Third Generation Bis(1-pyrazolyl)methane Ligands  
Author(s): Reger DL, Foley EA, Smith MDSource: **INORGANIC CHEMISTRY** Volume: **48** Issue: **3** Pages: **936-945** Published: **FEB 2 2009**  
Times Cited: **9**
8. Title: Synthesis and structural characterization of a mixed-ligand diiron(II) complex formed by a linked bitopic tris(pyrazolyl)methane ligand: {HC(3,5-Me(2)pz)(3)Fe[μ-p-C6H4(CH2OCH2C(pz)(3))(2)]Fe(3,5-Me(2)pz)(3)CH}(BF4)(4) (pz = pyrazolyl ring)  
Author(s): Reger DL, Little CA, Semeniuc RF, et al.Source: **INORGANICA CHIMICA ACTA** Volume: **362** Issue: **1** Pages: **303-306** Published: **JAN 1 2009**  
Times Cited: **0**
9. Title: A manganese(II) coordination polymer with ditopic bis(pyrazol-1-yl)borate bridges  
Author(s): Morawitz T, Bolte M, Lerner HW, et al.Source: **ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE** Volume: **634** Issue: **8** Pages: **1409-1414** Published: **2008**  
Times Cited: **5**
10. Title: Coordination polymers with the angular dipyriddy ligand 1,3,4-thiadiazole-2,5-di-3-pyridyl: Influence of analogue dipyriddy ligands and bridging anions on structural diversity  
Author(s): Niu CY, Wu BL, Zheng XF, et al.Source: **CRYSTAL GROWTH & DESIGN** Volume: **8** Issue: **5** Pages:**1566-1574** Published: **MAY 2008**  
Times Cited: **8**
11. Title: Supramolecular networks of silver(I) and iron(II) complexes of the third generation tris(pyrazolyl)methane ligand Ph-2(O)POCH2C(pz)(3) (pz = pyrazolyl ring)  
Author(s): Reger DL, Semeniuc RF, Smith MDSource: **DALTON TRANSACTIONS** Issue: **17** Pages: **2253-2260** Published: **2008**  
Times Cited: **2**
12. Title: Synthesis and crystal structure of a 2nm long rectangular copper dimetallomacrocyclic  
Author(s): Sumbly CJ, Steel PJSource: **JOURNAL OF COORDINATION CHEMISTRY** Volume: **61** Issue: **1** Pages:**117-123** Published: **2008**  
Times Cited: **1**
13. Title: Structural comparisons of silver(I) complexes of third-generation ligands built from tridentate (o-C6H4[CH2OCH2C(pz)(3)](2)) versus bidentate poly(1-pyrazolyl)methane units (o-C6H4[CH2OCH2CH(pz)(2)](2)) (pz = pyrazolyl ring)  
Author(s): Reger DL, Foley EA, Semeniuc RF, et al.Source: **INORGANIC CHEMISTRY** Volume: **46** Issue: **26** Pages: **11345-11355** Published: **DEC 24 2007**  
Times Cited: **13**

14. Title: Synthesis of an anthracene-based bis(pyrazolyl)methane ligand and the structural characterization of its dinuclear tricarbonylrhenium(I) complex  
Author(s): Reger DL, Watson RP, Smith MD Source: **JOURNAL OF ORGANOMETALLIC CHEMISTRY** Volume: **692** Issue: **14** Pages: **3094-3099** Published: **JUN 15 2007**  
Times Cited: **3**
15. Title: Janus scorpionates: Supramolecular tectons for the directed assembly of hard-soft alkali metallopolymer chains  
Author(s): Silva RM, Gwengo C, Lindeman SV, et al. Source: **INORGANIC CHEMISTRY** Volume: **45** Issue: **26** Pages: **10998-11007** Published: **DEC 25 2006**  
Times Cited: **12**
16. Title: 1,8-naphthalimide synthon in silver coordination chemistry: Control of supramolecular arrangement  
Author(s): Reger DL, Semeniuc RF, Elgin JD, et al. Source: **CRYSTAL GROWTH & DESIGN** Volume: **6** Issue: **12** Pages: **2758-2768** Published: **DEC 6 2006**  
Times Cited: **8**
17. Title: Crystal retro-engineering: Structural impact on silver(I) complexes with changing complexity of tris(pyrazolyl) methane ligands  
Author(s): Reger DL, Semeniuc RF, Little CA, et al. Source: **INORGANIC CHEMISTRY** Volume: **45** Issue: **19** Pages: **7758-7769** Published: **SEP 18 2006**  
Times Cited: **10**
18. Title: Coinage metal complexes of tris(pyrazolyl)methanide [C(3,5-Me(2)pz)3](-): kappa(3)-coordination vs. backbone functionalisation  
Author(s): Krummenacher I, Ruegger H, Breher F Source: **DALTON TRANSACTIONS** Issue: **8** Pages: **1073-1081** Published: **FEB 28 2006**  
Times Cited: **13**
19. Title: Synthesis and solid state structure for a series of poly(1-pyrrolylmethyl)-benzene derivatives. Control of the interplaying pi-pi and C-H center dot center dot center dot pi interactions?  
Author(s): Planas JG, Masalles C, Sillanpaa R, et al. Source: **CRYSTENGCOMM** Volume: **8** Issue: **1** Pages: **75-83** Published: **2006**  
Times Cited: **13**
20. Title: Coordination chemistry of a terpyridine-tris(pyrazolyl) ditopic ligand  
Author(s): Zibasesht R, Hartshorn RM Source: **DALTON TRANSACTIONS** Issue: **24** Pages: **3898-3908** Published: **DEC 21 2005**  
Times Cited: **8**
21. Title: Silver coordination polymers with flexible ligands. Syntheses, crystal structures, and effect of the counteranion and the solvent on the structure of complexes [(AgLX)-X-1](infinity) of the bis(phenylthio)methane ligand L-1 with silver(I) salts, X = ClO4-, BF4-, CF3COO-, CF3SO3-, CF3CF2CF2COO-, and -OOCF2CF2COO-  
Author(s): Awaleh MO, Badia A, Brisse F Source: **CRYSTAL GROWTH & DESIGN** Volume: **5** Issue: **5** Pages: **1897-1906** Published: **SEP-OCT 2005**  
Times Cited: **41**
22. Title: Multitopic third generation tris(pyrazolyl) methane ligands built on alkyne structural scaffolding: first preparation of mixed tris(pyrazolyl)methane/tris(pyrazolyl)borate ligands  
Author(s): Reger DL, Gardinier JR, Bakbak S, et al. Source: **NEW JOURNAL OF CHEMISTRY** Volume: **29** Issue: **8** Pages: **1035-1043** Published: **2005**  
Times Cited: **16**
23. Title: Study on the intermolecular interactions of alkylcobaloxime complexes (RCo(dmgH)(2)L, dmgH = dimethylglyoxime, R=alkyl, L=H2O or pyridine)  
Author(s): Zhang X, Song XY, Li YZ, et al. Source: **JOURNAL OF MOLECULAR STRUCTURE** Volume: **749** Issue: **1-3** Pages: **1-8** Published: **JUL 15 2005**  
Times Cited: **4**

24. Title: An unprecedented coordination mode of the tris(pyrazolyl)methane donor set in {[Ph-2(O)POCH<sub>2</sub>C(PZ)(3)Ag](2)(THF)(2)}(BF<sub>4</sub>)(2): k(2)-k(1) bimetallic, N-sigma/N-pi chelating  
Author(s): Reger DL, Semeniuc RF, Captain B, et al. Source: **INORGANIC CHEMISTRY** Volume: 44 Issue: 9 Pages: 2995-2997 Published: MAY 2 2005  
Times Cited: 7
25. Title: Syntheses and structural characterizations of rhenium carbonyl complexes of a bitopic ferrocene-linked bis(pyrazolyl)methane ligand  
Author(s): Reger DL, Brown KJ, Gardinier JR, et al.  
Conference Information: 3rd EuChem Conference on Nitrogen Ligands in Organometallic Chemistry and Homogeneous Catalysis, SEP, 2004 Camerino, ITALY Source: **JOURNAL OF ORGANOMETALLIC CHEMISTRY** Volume: 690 Issue: 8 Pages: 1889-1900 Published: APR 15 2005  
Times Cited: 12
26. Title: Tricarbonylmanganese(I) derivatives of [Di(pyrazolyl)(2-pyridyl)methyl]aryl scorpionates  
Author(s): Reger DL, Gardinier JR, Grattan TC, et al.  
Conference Information: 3rd EuChem Conference on Nitrogen Ligands in Organometallic Chemistry and Homogeneous Catalysis, SEP, 2004 Camerino, ITALY Source: **JOURNAL OF ORGANOMETALLIC CHEMISTRY** Volume: 690 Issue: 8 Pages: 1901-1912 Published: APR 15 2005  
Times Cited: 6
27. Title: Synthesis and structural characterization of the bitopic ferrocene-based tris(pyrazolyl)methane ligand  
27. Fe[C<sub>5</sub>H<sub>4</sub>CH<sub>2</sub>OCH<sub>2</sub>C(pz)(3)](2) (pz = pyrazolyl ring)  
Author(s): Reger DL, Brown KJ, Gardinier JR, et al. Source: **JOURNAL OF CHEMICAL CRYSTALLOGRAPHY** Volume: 35 Issue: 3 Pages: 217-225 Published: MAR 2005  
Times Cited: 2
28. Title: Assembly of luminescent Ag(I) coordination architectures adjusted by modification of pyrimidine-based thioether ligands  
Author(s): Han L, Wu BL, Xu YQ, et al. Source: **INORGANICA CHIMICA ACTA** Volume: 358 Issue: 6 Pages: 2005-2013 Published: MAR 30 2005  
Times Cited: 12
29. Title: Metal derivatives of poly(pyrazolyl)alkanes - I. Tris(pyrazolyl)alkanes and related systems  
Author(s): Pettinari C, Pettinari R Source: **COORDINATION CHEMISTRY REVIEWS** Volume: 249 Issue: 5-6 Pages: 525-543 Published: MAR 2005  
Times Cited: 71
30. Title: Formation of third generation poly(pyrazolyl)borate ligands from alkyne coupling reactions of Fe[(p-IC<sub>6</sub>H<sub>4</sub>)B(3-RPZ)(3)](2) (R = H, Me; pz = pyrazolyl): Pathways toward controlling an iron(II) electronic spin-state crossover  
Author(s): Reger DL, Gardinier JR, Gemmill WR, et al. Source: **JOURNAL OF THE AMERICAN CHEMICAL SOCIETY** Volume: 127 Issue: 7 Pages: 2303-2316 Published: FEB 23 2005  
Times Cited: 32
31. Title: Coordination, organometallic and related chemistry of tris(pyrazolyl) methane ligands  
Author(s): Bigmore HR, Lawrence SC, Mountford P, et al. Source: **DALTON TRANSACTIONS** Issue: 4 Pages: 635-651 Published: 2005  
Times Cited: 68
7. Title: A density functional theory study of distortions from octahedral symmetry in hypoelectronic six-vertex polyhedral clusters of the group 13 elements boron, indium, and thallium  
Author(s): King, RB; Silaghi-Dumitrescu, I; Kun, A  
Conference Information: **Symposium on Group 13 Chemistry Element held at the 221st American-Chemical Society Meeting**, Date: 2001 SAN DIEGO CA  
Source: **GROUP 13 CHEMISTRY: FROM FUNDAMENTALS TO APPLICATIONS** Volume: 822 Pages: 208-225 Published: 2002
1. Title: Density functional theory study of 10-atom germanium clusters: Effect of electron count on cluster geometry  
Author(s): King RB, Silaghi-Dumitrescu I, Uta MMS Source: **INORGANIC**



2. Title: Density functional theory study of 11-atom germanium clusters: Effect of electron count on cluster geometry  
Author(s): King RB, Silaghi-Dumitrescu I, Lupan A Source: **INORGANIC CHEMISTRY** Volume: **44** Issue: **10** Pages:**3579-3588** Published: **MAY 16 2005**  
Times Cited: **12**
8. Title: A density functional theory study of five-, six- and seven-atom germanium clusters: distortions from ideal bipyramidal deltahedra in hypoelectronic structures  
Author(s): King, RB; Silaghi-Dumitrescu, I; Kun, A  
Source: **JOURNAL OF THE CHEMICAL SOCIETY-DALTON TRANSACTIONS** Issue: **21** Pages: **3999-4004** Published: **2002**
1. Title: GERMANIUM CLUSTER POLYHEDRA  
Author(s): Silaghi-Dumitrescu I, King B Source: **STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA** Volume: **53** Issue: **2** Pages: **83-88** Published: **2008**  
Times Cited: **0**
2. Title: The role of "external" lone pairs in the chemical bonding of bare post-transition element clusters: the Wade-Mingos rules versus the jellium model  
Author(s): King RB, Silaghi-Dumitrescu I Source: **DALTON TRANSACTIONS** Issue: **44** Pages: **6083-6088** Published: **2008**  
Times Cited: **3**
3. Title: Singly bonded catenated germanes: Eighty years of progress  
Author(s): Amadoruge ML, Weinert C Source: **CHEMICAL REVIEWS** Volume: **108** Issue: **10** Pages: **4253-4294** Published: **OCT 2008**  
Times Cited: **3**
4. Title: Beyond the icosahedron: A density functional theory study of 14-atom germanium clusters  
Author(s): King RB, Silaghi-Dumitrescu I, Uta M Source: **EUROPEAN JOURNAL OF INORGANIC CHEMISTRY** Issue: **25** Pages: **3996-4003** Published: **SEP 2008**  
Times Cited: **0**
5. Title: Beyond the Wade-Mingos rules in bare 10- and 12-vertex germanium clusters: Transition states for symmetry breaking processes  
Author(s): King RB, Silaghi-Dumitrescu I, Uta M Source: **JOURNAL OF CHEMICAL THEORY AND COMPUTATION** Volume: **4** Issue: **1** Pages: **209-215** Published: **JAN 2008**  
Times Cited: **1**
6. Title: Density functional theory study of twelve-atom germanium clusters: conflict between the Wade-Mingos rules and optimum vertex degrees  
Author(s): King RB, Silaghi-Dumitrescu I, Uta M Source: **DALTON TRANSACTIONS** Issue: **3** Pages: **364-372** Published: **2007**  
Times Cited: **4**
7. Title: Ge-5(2-) Zintl anions: synthesis and crystal structures of [K([2.2.2]-crypt)(2)Ge-5 center dot 4NH(3)] and [Rb([2.2.2]-crypt)(2)Ge-5 center dot 4NH(3)]  
Author(s): Suchentrunk C, Korber N Source: **NEW JOURNAL OF CHEMISTRY** Volume: **30** Issue: **12** Pages: **1737-1739** Published: **DEC 2006**  
Times Cited: **2**
8. Title: Metalloid cluster compounds of germanium: A novel class of germanium cluster compounds of formulae  $Ge_nRm$  ( $n > m$ )  
Author(s): Schnepf A Source: **COORDINATION CHEMISTRY REVIEWS** Volume: **250** Issue: **21-22** Special Issue: **Sp. Iss. SI** Pages: **2758-2770** Published: **NOV 2006**

Times Cited: 13

9. Title: Density functional study of 8-and 11-vertex polyhedral borane structures: Comparison with bare germanium clusters  
Author(s): King RB, Silaghi-Dumitrescu I, Lupan A Source: **INORGANIC CHEMISTRY** Volume: 44 Issue: 22 Pages: 7819-7824 Published: OCT 31 2005  
Times Cited: 3
10. Title: Density functional theory study of 11-atom germanium clusters: Effect of electron count on cluster geometry  
Author(s): King RB, Silaghi-Dumitrescu I, Lupan A Source: **INORGANIC CHEMISTRY** Volume: 44 Issue: 10 Pages: 3579-3588 Published: MAY 16 2005  
Times Cited: 12
11. Title: Density functional theory study of eight-atom germanium clusters: effect of electron count on cluster geometry  
Author(s): King RB, Silaghi-Dumitrescu I, Lupan A Source: **DALTON TRANSACTIONS** Issue: 10 Pages: 1858-1864 Published: 2005  
Times Cited: 10
9. Title: Ring-chain tautomerism and other versatile behaviour of 1,4-diimino- and 1,2-phenylene derivatives of some C-substituted serinols  
Author(s): Maieranu, C; Darabantu, M; Ple, G, et al.  
Source: **TETRAHEDRON** Volume: 58 Issue: 13 Pages: 2681-2693 Published: MAR 25 2002
1. Title: NMR Studies of Hydroxy Schiff Bases  
Author(s): Hansen PE, Rozwadowski Z, Dziembowska T Source: **CURRENT ORGANIC CHEMISTRY** Volume: 13 Issue: 2 Pages: 194-215 Published: JAN 2009  
Times Cited: 0
2. Title: Serinolic amino-s-triazines: iterative synthesis and rotational stereochemistry phenomena as N-substituted derivatives of 2-aminopropane-1,3-diols  
Author(s): Pintea M, Fazekas M, Larnearas P, et al. Source: **TETRAHEDRON** Volume: 64 Issue: 37 Pages: 8851-8870 Published: SEP 8 2008  
Times Cited: 2
3. Title: Selective detection and quantification of oxidized abasic lesions in DNA  
Author(s): Dhar S, Kodama T, Greenberg MM Source: **JOURNAL OF THE AMERICAN CHEMICAL SOCIETY** Volume: 129 Issue: 28 Pages: 8702-+ Published: JUL 18 2007  
Times Cited: 9
4. Title: alpha-(3,7-Dioxo-r-1-azabicyclo[3.3.0]oct-c-5-ylmethoxy)-diazines. Part 2: Functionalisation via directed ortho-metallation and cross-coupling reactions  
Author(s): Berghian C, Condamine E, Ple N, et al. Source: **TETRAHEDRON** Volume: 62 Issue: 31 Pages: 7339-7354 Published: JUL 31 2006  
Times Cited: 4
5. Title: Ring-ring tautomerism of some spirooxazolidines derived from l-phenylserinols  
Author(s): Maieranu C, Darabantu M, Ple G, et al. Source: **REVUE ROUMAINE DE CHIMIE** Volume: 50 Issue: 1 Pages: 29-40 Published: JAN 2005  
Times Cited: 0
6. Title: First synthesis, rotamerism and herbicidal evaluation of substituted s-triazines with serinolic fragment  
Author(s): Pintea M, Darabantu M, Fazekas M, et al. Source: **HETEROCYCLIC COMMUNICATIONS** Volume: 12 Issue: 2 Pages: 135-140 Published: 2006  
Times Cited: 4
7. Title: Preparation and analysis of oligonucleotides containing lesions resulting from C5'-oxidation  
Author(s): Kodama T, Greenberg MM Source: **JOURNAL OF ORGANIC**

**CHEMISTRY** Volume: 70 Issue: 24 Pages:9916-9924 Published: NOV 25 2005  
Times Cited: 10

8. Title: Novel immunomodulator FTY720 is phosphorylated in rats and humans to form a single stereoisomer. Identification, chemical proof, and biological characterization of the biologically active species and its enantiomer  
Author(s): Albert R, Hinterding K, Brinkmann V, et al. Source: **JOURNAL OF MEDICINAL CHEMISTRY** Volume: 48 Issue: 16 Pages: 5373-5377 Published: AUG 11 2005  
Times Cited: 32
9. Title: First example of long distance stereo controlled synthesis in 1-aza-3,7-dioxabicyclo[3.3.0]octane series  
Author(s): Maieranu C, Darabantu M, Condamine E, et al. Source: **HETEROCYCLIC COMMUNICATIONS** Volume: 11 Issue: 3-4 Pages: 305-310 Published: 2005  
Times Cited: 1
10. Title: 3,7-Dioxa-1-azabicyclo[3.3.0]octan-2-ones based on l-phenylserinolins via the ring-ring or ring-chain tautomerism of their imino-derivatives  
Author(s): Maieranu C, Darabantu M, Ple G, et al. Source: **REVUE ROUMAINE DE CHIMIE** Volume: 50 Issue: 2 Pages: 103-112 Published: FEB 2005  
Times Cited: 1
11. Title: The formation of macrocyclic compounds with O,O- and O,N-acetal units  
Author(s): Maslinska-Solich J, Gibas E, Kukowka S  
Conference Information: 47th Polish-Chemical-Society Congress, SEP 13-16, 2004 Wroclaw, POLAND Source: **POLIMERY** Volume: 50 Issue: 7-8 Pages: 509-519 Published: 2005  
Times Cited: 0
10. Title: Structural distortions in homoleptic (RE)(4)A (E = O, S, Se; A = C, Si, Ge, Sn): implications for the CVD of tin sulfides  
Author(s): Barone, G; Hibbert, T; Mahon, MF, et al.  
Source: **JOURNAL OF THE CHEMICAL SOCIETY-DALTON TRANSACTIONS** Issue: 23 Pages: 3435-3445 Published: 2001
1. Title: Solvothermal Syntheses of Two New Thiostannates and an In-Situ Energy Dispersive X-ray Scattering Study of Their Formation  
Author(s): Pienack N, Nather C, Bensch W Source: **EUROPEAN JOURNAL OF INORGANIC CHEMISTRY** Issue: 7 Pages: 937-946 Published: MAR 2009  
Times Cited: 1
2. Title: Deposition of antimony sulfide thin films from single-source antimony thiolate precursors  
Author(s): Rodriguez-Castro J, Dale P, Mahon MF, et al. Source: **CHEMISTRY OF MATERIALS** Volume: 19 Issue: 13 Pages: 3219-3226 Published: JUN 26 2007  
Times Cited: 3
3. Title: DFT calculations of the electric field gradient at the tin nucleus as a support of structural interpretation by Sn-119 Mossbauer spectroscopy  
Author(s): Barone G, Silvestri A, Ruisi G, et al. Source: **CHEMISTRY-A EUROPEAN JOURNAL** Volume: 11 Issue: 21 Pages: 6185-6191 Published: OCT 21 2005  
Times Cited: 7
4. Title: Dibutylbis(3-methylsulfanyl-1,2,4-thiadiazole-5-thiolato)tin(IV)  
Author(s): Zhang JH, Zhang RF, Ma CL, et al. Source: **ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE** Volume: 61 Pages: M2075-M2077 Part: Part 10 Published: OCT 2005  
Times Cited: 0
5. Title: An iron-sulfur-tin cluster with amino-ligands and its reactions with thiols  
Author(s): Veith M, Auvray N, Huch V, et al. Source: **COMPTES RENDUS CHIMIE** Volume: 8 Issue: 1 Pages: 57-64 Published: JAN 2005

Times Cited: 0

- Title: Syntheses and Characterizations of (4-NH<sub>2</sub>C<sub>6</sub>H<sub>4</sub>S)(4)Sn and [(4-NH<sub>2</sub>C<sub>6</sub>H<sub>4</sub>S)(2)(4-NH<sub>3</sub>C<sub>6</sub>H<sub>4</sub>S)(2)Sn]Cl<sub>2</sub>  
6. Author(s): Wang LS, Zhang HJ, Du WX, et al. Source: **CHINESE JOURNAL OF STRUCTURAL CHEMISTRY** Volume: 24 Issue: 1 Pages: 79-83 Published: 2005  
Times Cited: 4

11. Title: Toranes versus torenes  
Author(s): Diudea, MV; Silaghi-Dumitrescu, I; Parv, B  
Source: **MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY** Issue: 44 Pages: 117-133 Published: OCT 2001

- Title: Chirality of toroidal molecular graphs  
1. Author(s): Kutnar K, Malnic A, Marusic D  
Conference Information: Regional Biophysics Meeting, MAR 16-20, 2005 Zrece, SLOVENIA Source: **JOURNAL OF CHEMICAL INFORMATION AND MODELING** Volume: 45 Issue: 6 Pages: 1527-1535 Published: NOV-DEC 2005  
Times Cited: 8

12. Title: Solvent effects in infrared spectra and ab initio calculations of 2-bromopropane  
Author(s): Grecu, R; Kun, A; Silaghi-Dumitrescu, I  
Conference Information: XXVth European Congress on Molecular Spectroscopy, Date: AUG 27-SEP 01, 2000 COIMBRA PORTUGAL  
Source: **JOURNAL OF MOLECULAR STRUCTURE** Volume: 565 Pages: 39-42 Published: 2001

- Title: New thermochemical parameter for describing solvent effects on IR stretching vibration frequencies -  
1. Communication 1. Assessment of van der Waals interactions  
Author(s): Solomonov BN, Varfolomeev MA, Novikov VB, et al. Source: **SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY** Volume: 64 Issue: 2 Pages: 397-404 Published: MAY 15 2006  
Times Cited: 9

13. Title: Electronic and magnetic properties of (tetrakis(2-pyridylmethyl)ethylenediamine)iron(II) perchlorate. A comparison of different computational methods  
Author(s): Chen, GJ; Liu, RZ; Silaghi-Dumitrescu, I, et al.  
Source: **INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY** Volume: 83 Issue: 2 Pages: 60-69 Published: MAY 20 2001

- Title: The spin-states and spin-transitions of mononuclear iron(II) complexes of nitrogen-donor ligands  
1. Author(s): Halcrow MASource: **POLYHEDRON** Volume: 26 Issue: 14 Pages: 3523-3576 Published: AUG 31 2007  
Times Cited: 36

- Title: Self-assembly of a novel series of hetero-duplexes driven by donor-acceptor interaction  
2. Author(s): Zhou QZ, Jia MX, Shao XB, et al. Source: **TETRAHEDRON** Volume: 61 Issue: 30 Pages: 7117-7124 Published: JUL 25 2005  
Times Cited: 14

14. Title: Distortions from octahedral symmetry in hypoelectronic six-vertex polyhedral clusters of the group 13 elements boron, indium, and thallium as studied by density functional theory  
Author(s): King, RB; Silaghi-Dumitrescu, I; Kun, A  
Source: **INORGANIC CHEMISTRY** Volume: 40 Issue: 10 Pages: 2450-+ Published: 2001

- Title: Group theoretical treatment of Jahn-Teller versus spin-orbit effects on geometries, rovibronic levels and  
1. nuclear spin species of bismuth and antimony clusters  
Author(s): Balasubramanian K Source: **MOLECULAR PHYSICS** Volume: 107 Issue: 8-12 Special Issue: Sp. Iss. SI Pages: 797-807 Published: 2009

Times Cited: 0

- Title: The role of "external" lone pairs in the chemical bonding of bare post-transition element clusters: the Wade-Mingos rules versus the jellium model  
2. Author(s): King RB, Silaghi-Dumitrescu I Source: **DALTON TRANSACTIONS** Issue: 44 Pages: 6083-6088 Published: 2008  
Times Cited: 3
- Title: Germanium cluster polyhedra: A density functional theory study  
3. Author(s): Silaghi-Dumitrescu I, Kun A, Lupan A, et al.  
Conference Information: International Conference on Computational Methods in Sciences and Engineering (ICCMSE 2005), OCT 21-26, 2005 Corinth, GREECE Source: **Advances in Computational Methods in Sciences and Engineering 2005, Vols 4 A & 4 B** Book Series: **LECTURE SERIES ON COMPUTER AND COMPUTATIONAL SCIENCES** Volume: 4A-4B Pages: 804-806 Published: 2005  
Times Cited: 0
- Title: All-boron aromatic clusters as potential new inorganic ligands and building blocks in chemistry  
4. Author(s): Alexandrova AN, Boldyrev AI, Zhai HJ, et al. Source: **COORDINATION CHEMISTRY REVIEWS** Volume: 250 Issue: 21-22 Special Issue: **Sp. Iss. SI** Pages: 2811-2866 Published: NOV 2006  
Times Cited: 49
- Title: Density functional theory study of 10-atom germanium clusters: Effect of electron count on cluster geometry  
5. Author(s): King RB, Silaghi-Dumitrescu I, Uta MM Source: **INORGANIC CHEMISTRY** Volume: 45 Issue: 13 Pages: 4974-4981 Published: JUN 26 2006  
Times Cited: 10
- Title: Density functional study of 8- and 11-vertex polyhedral borane structures: Comparison with bare germanium clusters  
6. Author(s): King RB, Silaghi-Dumitrescu I, Lupan A Source: **INORGANIC CHEMISTRY** Volume: 44 Issue: 22 Pages: 7819-7824 Published: OCT 31 2005  
Times Cited: 3
- Title: Density functional theory study of 11-atom germanium clusters: Effect of electron count on cluster geometry  
7. Author(s): King RB, Silaghi-Dumitrescu I, Lupan A Source: **INORGANIC CHEMISTRY** Volume: 44 Issue: 10 Pages: 3579-3588 Published: MAY 16 2005  
Times Cited: 12
- Title: Density functional theory study of eight-atom germanium clusters: effect of electron count on cluster geometry  
8. Author(s): King RB, Silaghi-Dumitrescu I, Lupan A Source: **DALTON TRANSACTIONS** Issue: 10 Pages: 1858-1864 Published: 2005  
Times Cited: 10
15. Title: A new tubular arrangement of a dimethylsilyl bridged calix[4] resorcinarene  
Author(s): Lara-Ochoa, F; Garcia, MM; Teran, R, et al.  
Source: **SUPRAMOLECULAR CHEMISTRY** Volume: 11 Issue: 4 Pages: 263-273 Published: 2000
- Title: Shuttlecock-like arrangement of a tweezer-type cavitand in the crystalline state  
1. Author(s): Yoshida A, Goto K, Kawashima T Source: **BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN** Volume: 79 Issue: 5 Pages: 793-795 Published: MAY 15 2006  
Times Cited: 1
16. Title: (Tetrakis(2-pyridylmethyl)ethylenediamine)iron(II) perchlorate. Study of density functional methods  
Author(s): Chen, GJ; Espinosa-Perez, G; Zentella-Dehesa, A, et al.  
Source: **INORGANIC CHEMISTRY** Volume: 39 Issue: 16 Pages: 3440-3448 Published: AUG 7 2000

- Title: Comparison of electronic structures and light-induced excited spin state trapping between [Fe(2-picolyamine)(3)](2+) and its iron(III) analogue  
 1. Author(s): Ando H, Nakao Y, Sato H, et al. Source: **DALTON TRANSACTIONS** Volume: **39** Issue: **7** Pages: **1836-1845** Published: **2010**  
 Times Cited: **0**
- Title: Theoretical Unraveling of Selective 1-Butene Oligomerization Catalyzed by Iron-Bis(arylimino)pyridine  
 2. Author(s): Raucoules R, de Bruin T, Raybaud P, et al. Source: **ORGANOMETALLICS** Volume: **28** Issue: **18** Pages: **5358-5367** Published: **SEP 28 2009**  
 Times Cited: **0**
- Title: The spin-states and spin-transitions of mononuclear iron(II) complexes of nitrogen-donor ligands  
 3. Author(s): Halcrow MAS Source: **POLYHEDRON** Volume: **26** Issue: **14** Pages: **3523-3576** Published: **AUG 31 2007**  
 Times Cited: **36**
- Title: Theoretical study of low-spin, high-spin, and intermediate-spin states of [Fe-III(pap)(2)](+)(pap = N-2-pyridylmethylidene-2-hydroxyphenylaminato). Mechanism of light-induced excited spin state trapping  
 4. Author(s): Ando H, Nakao Y, Sato H, et al. Source: **JOURNAL OF PHYSICAL CHEMISTRY A** Volume: **111** Issue: **25** Pages: **5515-5522** Published: **JUN 28 2007**  
 Times Cited: **6**
- Title: A three-state model for the polymorphism in linear tricobalt compounds  
 5. Author(s): Pantazis DA, McGrady JES Source: **JOURNAL OF THE AMERICAN CHEMICAL SOCIETY** Volume: **128** Issue: **12** Pages: **4128-4135** Published: **MAR 29 2006**  
 Times Cited: **23**
- Title: Metal complexes of N, N, N' N '-tetrakis(2-pyridylmethyl)ethylenediamine (TPEN): Variable coordination numbers and geometries  
 6. Author(s): Blindauer CA, Razi MT, Parsons S, et al. Source: **POLYHEDRON** Volume: **25** Issue: **2** Pages: **513-520** Published: **JAN 23 2006**  
 Times Cited: **6**
17. Title: Synthesis and stereochemistry of some 1,3-oxazolidine systems based on TRIS (alpha,alpha,alpha-trimethylolaminomethane) and related aminopolyols skeleton. part 1: (Di)spiro-1,3-oxazolidines  
 Author(s): Darabantu, M; Ple, G; Silaghi-Dumitrescu, I, et al.  
 Source: **TETRAHEDRON** Volume: **56** Issue: **23** Pages: **3785-3798** Published: **JUN 2 2000**
- Title: alpha-(3,7-Dioxa-r-1-azabicyclo[3.3.0]oct-c-5-ylmethoxy)-diazines. Part 2: Functionalisation via directed ortho-metallation and cross-coupling reactions  
 1. Author(s): Berghian C, Condamine E, Ple N, et al. Source: **TETRAHEDRON** Volume: **62** Issue: **31** Pages: **7339-7354** Published: **JUL 31 2006**  
 Times Cited: **4**
- Title: Ring-ring tautomerism of some spirooxazolidines derived from l-phenylserinols  
 2. Author(s): Maieranu C, Darabantu M, Ple G, et al. Source: **REVUE ROUMAINE DE CHIMIE** Volume: **50** Issue: **1** Pages: **29-40** Published: **JAN 2005**  
 Times Cited: **0**
- Title: 3,7-Dioxa-1-azabicyclo[3.3.0]octan-2-ones based on l-phenylserinols via the ring-ring or ring-chain tautomerism of their imino-derivatives  
 3. Author(s): Maieranu C, Darabantu M, Ple G, et al. Source: **REVUE ROUMAINE DE CHIMIE** Volume: **50** Issue: **2** Pages: **103-112** Published: **FEB 2005**
18. Title: Synthesis and stereochemistry of some 1,3-oxazolidine systems based on TRIS (alpha,alpha,alpha-trimethylolaminomethane) and related aminopolyols skeleton. part 2: 1-aza-3,7-dioxabicyclo[3.3.0]octanes  
 Author(s): Darabantu, M; Ple, G; Maieranu, C, et al.  
 Source: **TETRAHEDRON** Volume: **56** Issue: **23** Pages: **3799-3816** Published: **JUN 2 2000**

- Title: SERINOLIC APPROACH IN THE SYNTHESIS OF THE 3-OXA-7-THIA-1-  
1. AZABICYCLO[3.3.0]OCTANE SKELETON FUNCTIONALISED AT THE C-5 POSITION  
Author(s): But A, Batiu C, Ramondenc Y, et al. Source: **REVUE ROUMAINE DE CHIMIE** Volume: **54** Issue: **2** Pages: **127-132** Published: **FEB 2009**  
Times Cited: **0**
- Title: CYSTEINOLS: IMPROVED SYNTHESIS OF 2-AMINO-2-(MERCAPTOMETHYL)PROPANE-1,3-  
2. DIOL HYDROCHLORIDE  
Author(s): But A, Batiu C, Porumb D, et al. Source: **STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA** Volume: **53** Issue: **4** Pages: **43-50** Published: **2008**  
Times Cited: **0**
- Title: Serinolic amino-s-triazines: iterative synthesis and rotational stereochemistry phenomena as N-  
3. substituted derivatives of 2-aminopropane-1,3-diols  
Author(s): Pintea M, Fazekas M, Lameiras P, et al. Source: **TETRAHEDRON** Volume: **64** Issue: **37** Pages: **8851-8870** Published: **SEP 8 2008**  
Times Cited: **2**
- Title: alpha-(3,7-Dioxa-r-1-azabicyclo[3.3.0]oct-c-5-ylmethoxy)-diazines. Part 1: Synthesis and  
4. stereochemistry. Extension to s-triazine series  
Author(s): Berghian C, Lameiras P, Toupet L, et al. Source: **TETRAHEDRON** Volume: **62** Issue: **31** Pages: **7319-7338** Published: **JUL 31 2006**  
Times Cited: **7**
- Title: Ring-ring tautomerism of some spirooxazolidines derived from l-phenylserinols  
5. Author(s): Maieranu C, Darabantu M, Ple G, et al. Source: **REVUE ROUMAINE DE CHIMIE** Volume: **50** Issue: **1** Pages: **29-40** Published: **JAN 2005**  
Times Cited: **0**
- Title: First examples of the conformation chirality of heterobicyclo[3.3.0]octanes: 3,7-dioxa-r-1-  
6. azabicyclo[3.3.0]oct-c-5-yl-mythoxy-pyrazines  
Author(s): Berghian C, Darabantu M, Lameiras P, et al. Source: **HETEROCYCLIC COMMUNICATIONS** Volume: **11** Issue: **6** Pages: **517-522** Published: **2005**  
Times Cited: **3**
- Title: First example of long distance stereo controlled synthesis in 1-aza-3,7-dioxabicyclo[3.3.0]octane  
7. series  
Author(s): Maieranu C, Darabantu M, Condamine E, et al. Source: **HETEROCYCLIC COMMUNICATIONS** Volume: **11** Issue: **3-4** Pages: **305-310** Published: **2005**  
Times Cited: **1**
- Title: 3,7-Dioxa-1-azabicyclo[3.3.0]octan-2-ones based on l-phenylserinols via the ring-ring or ring-chain  
8. tautomerism of their imino-derivatives  
Author(s): Maieranu C, Darabantu M, Ple G, et al. Source: **REVUE ROUMAINE DE CHIMIE** Volume: **50** Issue: **2** Pages: **103-112** Published: **FEB 2005**  
Times Cited: **1**
19. Title: An AM1 investigation of the structures of C60 : tBu-calix[8]arene 1 : 1 adducts  
Author(s): Lara-Ochoa, F; Cogordan, JA; Cruz, R, et al.  
Source: **FULLERENE SCIENCE AND TECHNOLOGY** Volume: **7** Issue: **3** Pages: **411-419** Published: **1999**
- Title: Analysis of interaction modes in calix[4]arene - levofloxacin complexes by quantum methods  
1. Author(s): Lambert A, Regnouf-de-Vains JB, Rinaldi D, et al. Source: **JOURNAL OF PHYSICAL ORGANIC CHEMISTRY** Volume: **19** Issue: **3** Pages: **157-166** Published: **MAR 2006**  
Times Cited: **3**
20. Title: Is the trigonal prismatic distortion the answer for the geometry of In-III four members dithiochelatate compounds? The crystal and molecular structure of In(S2AsR2)(3) (R = Me, Ph)  
Author(s): Silaghi-Dumitrescu, L; Silaghi-Dumitrescu, I; Haiduc, I, et al.

- Title: Preparation and Properties of Sodium Dimethyldithioarsinate Dihydrate,  $\text{Me}_2\text{AsS}_2\text{Na}$  center dot **1.**  $2\text{H}_2\text{O}$ , and Palladium(II) Dimethyldithioarsinate,  $(\text{Me}_2\text{AsS}_2)_2\text{Pd}$   
Author(s): Ioannou PV, Vachliotis DG, Nastopoulos V, et al. Source: **ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE** Volume: **635** Issue: **13-14** Pages: **2203-2209** Published: **2009**  
Times Cited: **0**
- Title: The Lewis-base behavior of Bunsen's cacodyl disulfide,  $\text{Me}_2\text{As}(\text{S})\text{-S-AsMe}_2$ , toward molecular halides **2.** of group 13  
Author(s): Ioannou PV, Tsivgoulis GM, Vachliotis DG Source: **MAIN GROUP CHEMISTRY** Volume: **8** Issue: **3** Pages: **151-161** Published: **2009**  
Times Cited: **1**
- Title: Main Group Dithiocarbamate Complexes **3.**  
Author(s): Heard PJ Source: **PROGRESS IN INORGANIC CHEMISTRY, VOL 53** Book Series: **PROGRESS IN INORGANIC CHEMISTRY** Volume: **53** Pages: **1-69** Published: **2005**  
Times Cited: **26**
- Title: Gallium(III) and indium(III)dithiolate complexes: Versatile precursors for metal sulfides **4.**  
Author(s): Ghoshal S, Jain VK Source: **JOURNAL OF CHEMICAL SCIENCES** Volume: **119** Issue: **6** Pages: **583-591** Published: **NOV 2007**  
Times Cited: **2**
- 21.** Title: On the structure of bis(9-fluorenyl)dimethylsilane: a sterically crowded molecule with relatively low barriers of rotations around the Si-C(flourenyl) bonds - X-ray diffraction analysis and AM1 molecular orbital calculations  
Author(s): Silaghi-Dumitrescu, L; Haiduc, I; Cea-Olivares, R, et al.  
Source: **JOURNAL OF ORGANOMETALLIC CHEMISTRY** Volume: **545** Pages: **1-8** Published: **1997**
- Title: Silatropic migration in (1-trimethylsilylindenyl) (indenyl) dimethylsilane, bis(1-trimethylsilylindenyl)dimethylsilane and related compounds **1.**  
Author(s): Nemes G, Silaghi-Dumitrescu L, Silaghi-Dumitrescu L, et al. Source: **REVUE ROUMAINE DE CHIMIE** Volume: **52** Issue: **8-9** Pages: **809+** Published: **AUG-SEP 2007**  
Times Cited: **0**
- Title: Anodic oxidation of difluorenyls bridged through a dimethylsilyl group and of the 9-trimethylsilyl **2.** fluorene: Towards new three-dimensional polyfluorenes  
Author(s): Silaghi-Dumitrescu I, Escudie J, Cretiu-Nemes G, et al. Source: **SYNTHETIC METALS** Volume: **151** Issue: **2** Pages: **114-119** Published: **JUN 14 2005**  
Times Cited: **1**
- Title: Difluorenylsilanes, -germanes, and -stannanes exhibiting an unprecedented parallel arrangement of the **3.** fluorene units  
Author(s): Nemes GC, Silaghi-Dumitrescu L, Silaghi-Dumitrescu I, et al. Source: **ORGANOMETALLICS** Volume: **24** Issue: **6** Pages: **1134-1144** Published: **MAR 14 2005**  
Times Cited: **5**
- 22.** Title: The first oxygen-bridged diorganoarsenic(V) compound: the crystal structure of  $\text{AsMe}_2(\text{S})\text{OAs}(\text{S})\text{Me}_2$   
Author(s): Silaghi-Dumitrescu, L; Pascu, S; Silaghi-Dumitrescu, I, et al.  
Source: **JOURNAL OF ORGANOMETALLIC CHEMISTRY** Volume: **549** Issue: **1-2** Pages: **187-192** Published: **DEC 18 1997**
- Title: The reactions of triethylamine-activated octasulfur with thioarsinites,  $\text{L}_2\text{As-SPh}$  (L = Me, Ph), Bunsen's **1.** cacodyl disulfide,  $\text{Me}_2\text{As}(\text{S})\text{-S-AsMe}_2$ , and triphenylarsine  
Author(s): Sideris TD, Tsivgoulis GM, Vachliotis DG, et al. Source: **MAIN GROUP CHEMISTRY** Volume: **8** Issue: **3** Pages: **163-176** Published: **2009**  
Times Cited: **0**



- Title: Synthesis, Crystal Structures and Spectroscopic Studies of Dimorphic [Bu<sub>2</sub>Sn(O<sub>2</sub>AsMe<sub>2</sub>)(<sub>2</sub>)] and the  
2. Novel Dimethylthioarsinate [(Me<sub>2</sub>SnOSAsMe<sub>2</sub>)(<sub>2</sub>O)](<sub>2</sub>)  
Author(s): Shihada AF, Al-Aqarbeh M, Weller F, et al. Source: **ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE** Volume: **635** Issue: **9-10** Pages: **1384-1390** Published: **2009**  
Times Cited: **0**
- Title: The Other Face of Bunsen's Cacodyl Disulfide, Me<sub>2</sub>As(S)-S-AsMe<sub>2</sub>: The Lewis-Base Behaviour  
3. Towards Heavy Metal Cations  
Author(s): Ioannou PV, Vachliotis DG, Sideris TD Source: **ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE** Volume: **635** Issue: **2** Pages: **329-336** Published: **2009**  
Times Cited: **1**
- Title: The electrophilic character of Bunsen's cacodyl disulfide, Me<sub>2</sub>As(S)-S-AsMe<sub>2</sub>  
4. Author(s): Ioannou PV, Vachliotis DG, Sideris TD Source: **ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE** Volume: **633** Issue: **11-12** Pages: **2077-2084** Published: **2007**  
Times Cited: **3**
- Title: Dimethylthioarsinic anhydride: A standard for arsenic speciation  
5. Author(s): Fricke M, Zeller M, Cullen W, et al. Source: **ANALYTICA CHIMICA ACTA** Volume: **583** Issue: **1** Pages: **78-83** Published: **JAN 30 2007**  
Times Cited: **8**
- Title: Chromatographic separation and identification of products from the reaction of dimethylarsinic acid  
6. with hydrogen sulfide  
Author(s): Fricke MW, Zeller M, Sun H, et al. Source: **CHEMICAL RESEARCH IN TOXICOLOGY** Volume: **18** Issue: **12** Pages: **1821-1829** Published: **DEC 2005**  
Times Cited: **23**

#### 4. Distincții, premii și alte recunoașteri naționale și internaționale

Diploma de Merit pentru contribuții la dezvoltarea instituțională a Universității Babeș-Bolyai, 2005  
Diploma Consiliului Academic al Universității Babeș-Bolyai, 2006, 2007.  
Membru corespondent al Academiei Române, 2007

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

- **Îndrumare lucrări de licență (număr lucrări susținute) : 20**
- Îndrumare lucrări de disertație (număr lucrări susținute) : 10
- Doctoranzi (lista nominală a doctoranzilor înmatriculați resp. lista nominală a tezelor susținute) :
- Post-doctoranzi (lista nominală) : 1

Lista nominală a doctoranzilor înmatriculați cu frecvență :

1. Kolcsor Tibor
2. Irsai Isabella
3. Sarosi Menyhardt
4. Zoltany Timea
5. Mihaly Bela
6. Sovago Ioana
7. Kekedy-Nagy Laszlo
8. Seff Amalia

Lista nominală a tezelor susținute

1. Septelean Raluca
2. Saponar Alina
3. Petrar Petronela
4. Uta Matei

5. Lupan Alexandru
6. Totos Robert
7. Furtos Gabriel

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

- **Îndrumare lucrari de licența (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)

Post-doctoranzi

1. Joaquin Barroso-Flores

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

1. Studia Universitatis Babes-Bolyai, Seria Chemia
2. Revista de Chimie, Bucuresti

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

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

- 9.1. Proiect de Cooperare bilaterala Brancusi, Heteroalcenes, –dienes et allenes precurseurs de polymeres organometaliques: acces a de nouveaux materiaux, 2004-2006, valoare 6000 E.
- 9.2. International Master and Postgraduate Programme in Materials Science and Catalysis, la University SS Cyril and Methodius, Skopje, Macedonia, 2009.

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

- 10.1. CEEX-SUPRACOM, *Chimie organometalica supramoleculara : De la design prin sinteză și structură la aplicații*, 2006-2008, 1000000 RON.
- 10.2. CEEX-RIOSIN, *Reactivi si intermediary organometalici in sinteze stereocontrolate de compusi cu relevanta biologica*, 2006-2008, valoare 1200000 RON.
- 10.3. Programul Cercetare de Excelenta OPTOLUM 2005-2007 (dir. L. Silaghi-Dumitrescu), valoare 300000 lei.
- 10.4. PN II, Capacitati I-ELANCOM, Extinderea laboratoarelor de chimie organometalica aplicata, 129/2007, 2007-2009 (dir. L. Silaghi-Dumitrescu), valoare 1859500 lei

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

- 9.1. Proiect de Cooperare bilaterala Econet, 2007-2009, valoare 13000 E.

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

- 12.1. CEEX-Modul III, *Modelare moleculara in chimie si biochimie-MOLMOD*, 2006-2008, 200000 RON.

12.2. Proiect de cooperare bilaterală Capacități Modul III, *Studiul conformațiilor controlate cinetic ale moleculelor gazdă sensibile și selective cu aplicații în farmacie și chimie alimentară*, 2008-2009, 160443 RON.

12.3. CEEX-CALIXCOM, *Materiale compozite pe bază de calixarene cu proprietăți magnetice și/sau de complexare selectivă a unor ioni de metale de interes tehnologic*, 2005-2008, 1500000 RON.

12.4. PNII-CALIXMAT, *Materiale pe baza de calixarene cu proprietati de recunoastere a unor specii ionice si/sau moleculare de interes biologic si ecologic*, 2007-2010, 2000000 RON.

12.5. Centru de Modelare Moleculara si Chimie Cuantica computationala, PNII, Capacitati I, contract 130,2007, CCMMCCC, (Coordonator, Ioan Silaghi-Dumitrescu), valoare 1305000 RON

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

Profesor invitat la Universitatea din Leipzig si Koln, Germania

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

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

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

1. **MOLMOD**, Molecular modeling in chemistry and biochemistry, Cluj-Napoca, 2-4 aprilie, 2009.

2. **MOLMOD**, Molecular modeling in chemistry and biochemistry, Arcalia, 5-8 iulie, 2007.

3. **SUPCHEM**, Supramolecular Chemistry from design to application, Cluj-Napoca 12-15 aprilie, 2007.

### **III. Realizare remarcabilă**

**Profesorul Silaghi-Dumitrescu Ioan a infiintat scoala de Chimie Computationala si Modelare Moleculara la Cluj-Napoca. A infiintat si dezvoltat Laboratorul de Structura si Dinamica Moleculara, Laboratorul de Modelare Moleculara si intre anii 2007-2009, cea mai moderna platforma de calcul din tara, Centrul de Modelare Moleculara si Chimie Cuantica Computationala.**

Data:

17.03.2010

Semnătura:

**Certific validitatea datelor prezentate**

Sef de catedră,