

CURICULUM VITAE – 2016

Ionel Haiduc



Data si locul nasterii: 9 Mai 1937; Cluj
Adresa: RO 3400 Cluj-Napoca, Str. Predeal No.6
Telefon: (40) 264-44 01 45.

Studii

Licentiat in chimie: 1959 - Universitatea "Babes-Bolyai" Cluj-Napoca, România
Doctor in chimie ("candidat in stiinte"): 1964 - Institutul de Tehnologie Chimică Fină "M.V. Lomonosov", Moscova, URSS cu o teza condusă de Acad. K.A. Andrianov (chimia polimerilor anorganici si silico-organici).

Studii post-doctorale

16 luni (1966-1968) - Iowa State University, Ames, Iowa, USA (chimie silico-organică si organometalică, cu Prof. Henry Gilman).

10 luni (1971-1972) - University of Georgia, Athens, Georgia, USA (chimie organometalică, cu Prof. R.B. King).

Limbi cunoscute

Romană (materna), Engleză (fluent), Rusă (fluent), Franceză (bine), Spaniolă (bine), Germană (moderat, tehnică).

Functii profesionale

Facultatea de Chimie, Universitatea "Babes-Bolyai" Cluj-Napoca, România:
1959 - sef de laborator, 1962 - asistent, 1964 - lector, 1969 - conferentiar,
1973 - in prezent - profesor.

Doctor Honoris Causa

2004 - *Doctor Honoris Causa* al Universității Tehnice "Gheorghe Assachi" Iasi
2004 - *Doctor Honoris Causa* al Universității Tehnice Timisoara
2007 - *Doctor Honoris Causa* al Universității Politehnica Bucuresti
2016 - *Doctor Honoris Causa* al Universității de Vest Timisoara

Membru in Academii, etc.

1990 - Membru corespondent al Academiei Române
1991 - Membru titular al Academiei Române
2002 - Academia Europaea (London), membru ales
2002 – Academia de Stiinte a Republicii Moldova, Membru de Onoare
2007 - Hungarian Academy of Sciences – Membru de Onoare
2008 - Montenegrin Academy of Sciences – Membru corespondent
2009 - Göttinger Akademie der Wissenschaften (Germania) – Membru corespondent
2009 - Leibniz Sozietät der Wissenschaften, (fosta Academie de Stiinte a RDG) Berlin – Membru.corespondent
2016 – American Chemical Society

Burse si premii internationale

1966 - Bursa Fulbright (USA)
1997 - Bursa de cercetare Humboldt (Humboldt Forschungsaufenthalt) (Universitatea din Magdeburg, Germania)

Decoratii si medalii

2006 - Ordinul “*Steaua României*” in grad de Mare Cruce, acordat de Presedintele României
2000 - Ordinul “*Steaua României*” in rang de Mare Ofiter, acordat de Presedintele României
2013 - *Crucea Patriarhala*, acordata de Patriarhia Bisericii Ortodoxe Române
2006 - *Crucea Transilvaniei*, acordată de Arhiepiscopia Vadului, Feleacului si Clujului, Cluj-Napoca
2008 - *Crucea Casei Regale a României*
2006 - *Ordinul de Onoare* al Republicii Moldova, acordat de Presedintele Republicii Moldova
1999 - *Medalia "Pro Colaboratione"*, Academia Ungara de Stiinte, Filiala Debrecen
2007 – *Medalia Pushkin*, acordata de Presedintele Federatiei Ruse
2007 – *Medalia de aur "Dimitrie Cantemir"* a Academiei de Stiinte a Republicii Moldova
..... Ordinul Nihil Sine Deo al Casei Regale a României

Premii, diplome, alte titluri

1974 - Premiul "G. Spacu" al Academiei Române
1998-1999 – Gauss Professur, Academia de Stiinte din Göttingen, Germania
1999 - Diploma de Onoare a Prezidiului Academiei de Stiinte a Republicii Moldova
1999 - Cetatean de Onoare al Municipiului Cluj-Napoca
2004 - Premiul Societatii de Chimie din România, pentru intreaga activitate
2004 - Diploma de onoare “*Pro Scientia*”, acordata de CNCSIS, Ministerul Educatiei si Cercetarii
2004 - Diploma pentru excelenta in cercetare, Universitatea Babes-Bolyai,
2005 - Premiul “Costin Nenitzescu-Walter Criegee Vorlesungen”, Gesellschaft Deutscher Chemiker (Societatea Chimistilor Germani),
2005 - Diploma pentru excelenta in cercetare, Universitatea Babes-Bolyai,
2005 - Premiul pentru stiintele exacte al revistei “Cuvantul” (Bucuresti)
2007 - Profesor de onoare al Universitatii Tehnice Cluj-Napoca
2008 - Premiul “Opera Omnia” pentru Excelenta in Cercetarea Stiintifica - CNCSIS
2009 - “Senior al Cetatii”, Cluj-Napoca
2015 - Cetatean de Onoare al Judetului Cluj “Onoare pentru Cluj”
2015 - “Spiritus Mentor” Cluj-Napoca

Visiting Professor in strainatate

- 1992 - NSF Visiting Scientist, Chemistry Department, University of Georgia, Athens, Georgia, USA (1 luna))
1993 - European Commission Visiting Scientist, University of Santiago de Compostela, Santiago de Compostela, Spain (2 luni)
1993-1994 - Visiting Professor, Instituto de Quimica, Universidad Nacional Autonoma de Mexico, Mexico, D.F. (18 luni)
1993 - Visiting Professor, Instituto de Quimica, Universidade Federal de Sao Carlos, Brazil (2 saptamani)
1997- Chemisches Institut, Universität Magdeburg, Magdeburg, Germania (3 luni)
1997- Consultant, Department of Chemistry, University of Texas at El Paso, El Paso, Texas, USA
1998- Visiting Professor, University of Santiago de Compostela, Santiago de Compostela, Spain
1998-1999 (4 luni) - Gauss Visiting Professorship Anorganisch Chemisches Institut, Göttingen Universität, Germany
2000 - Visiting Professor, Instituto de Quimica, Universidade Federal de Sao Carlos, Brazil (2 luni)
2000-2001 - Visiting Professor, Department of Chemistry, University of Texas at El Paso, El Paso, Texas, USA.
2002 (March-May) – Visiting Professor, Anorganisch Chemisches Institut, Göttingen Universität, Germany (Humboldt Fellowship)
2002 (December) - Visiting Scientist, National University of Singapore, Singapore
2003 (March) – Invited speaker, University of South Carolina, Department of Chemistry
2004 (March-April) – Visiting Professor, Department of Chemistry, University of Texas at El Paso, El Paso, Texas, USA.
2005 (May) – Visiting Professor, University of Texas at El Paso, Texas, USA

Funcții administrative și publice

- 1976 - 1984 - Prorector, Universitatea "Babes-Bolyai" Cluj-Napoca
1990 - 1993 - Rector, Universitatea "Babes-Bolyai" University, Cluj-Napoca
1995 - 2006 - Presedinte, Filiala Cluj a Academiei Române
1998 - 2000 - Presedinte, Colegiul Consultativ al ANSTI
1998 - 2000 - Vicepresedinte Academia Româna
2004 - 2005 - Vicepresedinte, Institutul Cultural Român, Bucuresti
2006 - 2014 - Presedinte, Academia Româna

Membru în colective de redacție ale unor reviste:

- Synthesis and Reactivity in Inorganic and Metal-organic Chemistry (New York)
Main-Group Metal Chemistry (London-Tel Aviv)
Metal-Based Drugs (London)
Science and Engineering Ethics (Guildford, UK)
Revue Roumaine de Chimie (Bucuresti)
Revista de Chimie (Bucuresti)
Progress in Catalysis (Bucuresti)
Studia Universitatis "Babes-Bolyai" Chemia

Interese stiintifice

Chimia ciclurilor anorganice
Chimie coordinativă și organometalică
Chimie supramoleculară; interacțiuni non-covalente intermoleculare
Compusi biologici activi ai metalelor
Nomenclatură și sistematizare în chimia anorganică
Politica și managementul științei

Publicatii

Carti

Introducere în chimia ciclurilor anorganice, Editura Academiei, București, 1960 (tradusă în limba poloneză, 1964)
The Chemistry of Inorganic Ring Systems (2 vols.), Wiley-Interscience, London, New York, 1970
Chimia compusilor metalorganici, Editura Științifică, București, 1974
Basic Organometallic Chemistry (cu J.J. Zuckerman), Walter de Gruyter, Berlin, New York, 1985 (tradusă în limba greacă, 1990)
The Chemistry of Inorganic Homo- and Heterocycles (2 vols.) (cu D.B. Sowerby), Academic Press, London, New York, 1987
Organometallics in Cancer Chemotherapy (2 vols.) (cu C. Silvestru), CRC Press, Boca Raton, Florida, USA, 1990, 1991.
Supramolecular Organometallic Chemistry (cu F.T. Edelman), Wiley-VCH, Weinheim, 1999.

Articole

Peste 360 articole științifice în reviste de specialitate (inclusiv Inorg. Chem.; J. Am. Chem. Soc.; J. Organomet. Chem.; Polyhedron; Chem. Revs.; Anticancer Research; Inorg. Chim. Acta; J. Chem. Soc. Dalton Trans.; J. Chem. Soc. Chem. Commun.; Coordination Chem. Revs.; Rev. Roumaine Chim., etc.) și capitole în mai multe cărți multi-autor.

Surse bio-bibliografice

Editorial *Revue Roumaine de Chimie*, **42** (1997) p. 491-493; *Revue Roumaine de Chimie*, **47** (2002) p. 925-927; *Revue Roumaine de Chimie*, **52** (2007) p. 7-44; *Revista de Chimie (București)*, **58** (2007) nr. 5, p. 437;
Internet: ro.wikipedia.org/wiki/Ionel_Haiduc (incomplet),
Dorina Rusu: Membrii Academiei Române, Dictionar 1866-2016.

Addendum:

Revista **Crystal Growth & Design** (vol. 2, pag. 79, 2002) publicată de American Chemical Society, recenza cartea Haiduc-Edelmann, *Supramolecular Organometallic Chemistry* (vezi Lista de Publicatii), în următorii termeni:

“Ca domeniu distinct, chimia supramoleculară organometalică nu a existat până la publicarea cărții lui Haiduc și Edelmann Supramolecular Organometallic Chemistry.

...In prefata cărții, “părintele chimiei supramoleculare” Jean-Marie Lehn [premiul Nobel 1987, n. n.] îi felicită pe Haiduc și Edelmann pentru ca “au purtat flacăra Chimiei Supramoleculare în încă un domeniu”. ...” acesta este un domeniu pe care autorii l-au făurit ei însși prin demult-asteptata fuziune a două domenii paralele ale chimiei”.

Prefata (Jean-Marie Lehn, Laureat Nobel):

Ionel Haiduc, Frank T. Edelmann

Supramolecular Organometallic Chemistry

with a Foreword by Jean-Marie Lehn

Supramolecular chemistry has become a major field of chemistry. Its basic concepts have penetrated vast areas covering the whole domain of chemistry and its interfaces with biology, physics, and materials science. They have provided novel grids through which to read, novel points of view from which to consider, novel perspectives towards which to project the different established domains of chemistry. This is true of organic as well as inorganic, physical and analytical, and biological and medicinal chemistry. It is therefore inevitable and highly desirable that organometallic chemistry, an area of great breadth, strong impact, and rapid development be also analyzed and characterized in terms of its relationship to supramolecular chemistry. Indeed by the variety of bonding types and of constituents it presents, organometallic chemistry entertains an especially rich set of connections with supramolecular chemistry.

This book by Ionel Haiduc and Frank Edelmann fills the need. It is particularly welcome for its timeliness and even more for its intrinsic qualities. Indeed, it provides a broad coverage, a thorough description, and incisive analysis of organometallic compounds and bonding features in terms of the concepts of, and relationships with, supramolecular chemistry.

This book is, of course, a must for organometallic chemists and supramolecular chemists alike, but it is also of great value for all other types of chemist who at one time or another encounter these two domains.

The authors are to be warmly congratulated for their excellent job and for the service they render to the chemical community, and for carrying the flame of supramolecular chemistry into yet another domain, thus setting the stage of supramolecular organometallic chemistry.

Strasbourg, December 1998

Jean-Marie Lehn

Cryst. Growth Des. 2002, 2, 79

Book Reviews

Supramolecular Organometallic Chemistry.

Ionel Haiduc and Frank T. Edelmann. Wiley-VCH, Weinheim, 2000. ISBN 3-527-29533-X.

As a discrete field, supramolecular organometallic chemistry did not exist until the publication of Haiduc and Edelmann's book *Supramolecular Organometallic Chemistry*. Of course, there are certainly plenty of chemists working with organometallic compounds who consider themselves to be doing research of a supramolecular nature. There is also a very sizable body of researchers who consider themselves organometallic chemists whose work may be considered under the umbrella of supramolecular chemistry. In his foreword, the "father of supramolecular chemistry" Jean-Marie Lehn congratulates Haiduc and Edelmann on "carrying the flame of Supramolecular Chemistry into yet another domain." He might well have added that it is a domain that the authors have forged themselves from the long-awaited fusion of two parallel fields of chemistry. The resulting melting pot can only throw up new and interesting comparisons, and as such the book does not disappoint.

This is not a book for beginning students or those new to supramolecular chemistry, nor is it intended to be. It will, however, be invaluable to researchers in whatever field who feel in need of stimulation and to those who appreciate the beauty of the chemical world. Even the most cursory trawl through the extensive illustrations cannot fail to generate innovative research ideas, particularly from the juxtaposition of such a variety of chemical systems, and the book is so comprehensively referenced that the next step is always clear. Overall, this book is a marvel of thoroughness and attention to detail. Its illustrations make it very accessible and the organization and choice of material is refreshing and stimulating. A useful addition to the bookshelves of anybody working with organometallics or with supramolecules. Well done!

Jonathan W. Steed
King's College London

PUBLICATII 2017

Acad. Ionel HAIDUC

PUBLICATII de CHIMIE

(in ordine cronologica inversa)

CARTI

Ionel Haiduc and Frank T. Edelmann

Supramolecular Organometallic Chemistry

Wiley-VCH, Weinheim, New York, **1999** (470 pag.)

Ionel Haiduc and Cristian Silvestru

Organometallics in Cancer Chemotherapy. Volume 2. Transition Metal Compounds

CRC Press, Inc., Boca Raton, Florida, **1990** (366 pag.)

Ionel Haiduc and Cristian Silvestru

Organometallics in Cancer Chemotherapy. Volume 1. Main Group Metal Compounds

CRC Press, Inc., Boca Raton, Florida, **1989** (254 pag.)

Ionel Haiduc and D.B. Sowerby (Editors and authors)

The Chemistry of Inorganic Homo- and Heterocycles

Academic Press, London, New York, **1987** (2 vols.)

(Vol.1, 416 pag.; vol. 2, 460 pag.)

I. Haiduc and J.J. Zuckerman

Basic Organometallic Chemistry

Walter de Gruyter Publ. Co., Berlin, New York, **1985** (488 pag.)

Traducere in limba greaca:

Ionel Haiduc, J.J. Zuckerman

Βασικη Οργανομεταλλικη Χημεια

Εκδοσειξ Παπαξηση, Αθηνα **1987** (414 pag.)

Ionel Haiduc

Chimia compusilor metalorganici

Editura Stiintificã, Bucuresti, **1974** (492 pag.)

Ionel Haiduc

The Chemistry of Inorganic Ring Systems

Wiley-Interscience, London, New York, **1970**, 2 vols.

(Vol.1, 622 pag.; vol. 2, 575 pag.)

Ionel Haiduc

Introducere in chimia ciclurilor anorganice [*Introduction to the Chemistry of Inorganic Rings-in Roumanian*]

Editura Academiei, Bucuresti, **1960** (338 pag.)

Traducere in limba poloneza::

Ionel Haiduc

Wstep do chemii nieorganicznych zwiazkow pierscieniowych

PWN Warszawa, **1964** (369 pag.) (updated and revised version).

CAPITOLE IN CARTI (majoritatea invitate)

C35. Iñez Caracelli, *Ionel Haiduc*, Julio-Zukerman-Schpector and Edward R.T. Tiekink: A new non-covalent bonding mode in supramolecular chemistry: Main group element lone-pair- π (arene) interactions

in vol. **Aromatic Interactions. Frontiers in Knowledge and Applications**,

Edited by Darren W. Johnson and Fraser Hof, Monographs in Supramolecular Chemistry, Nr.20, The Royal Society of Chemistry, London, Chapter 4, **2016**,. p.77-102.

C34. Iñez Caracelli, *Ionel Haiduc*, Julio-Zukerman-Schpector and Edward R.T. Tiekink: Supramolecular architectures based on M(lone pair)... π (arene) interactions for M = Se and Te,

in vol **The Chemistry of Organic Selenium and Tellurium Compounds**, Volume 4, Part 2, Edited by Zvi Rappoport, John Wiley & Sons, Ltd., Chichester, **2013**, pp. 973-988,

C33. *I. Haiduc*

1,1-Dithiolato Ligands

in **Reference Module in Chemistry, Molecular Sciences and Chemical Engineering** (*on line publication*), Elsevier, Amsterdam **2013**, pag. 1-15,

<http://dx.doi.org/10.1016/B978-0-12-409547-2.00884-2>

(update of I. Haiduc, Comprehensive Coordination Chemistry II, Volume 1, 2003, pages 349-378).

C32. *I. Haiduc*

Dichalcogenoimidodiphosph(in)ate Ligands

in **Reference Module in Chemistry, Molecular Sciences and Chemical Engineering** (*on line publication*), Elsevier, Amsterdam **2013**, pag. 1-9,

<http://dx.doi.org/10.1016/B978-0-12-409547-2.00928-8>

(update of I. Haiduc, Comprehensive Coordination Chemistry II, Volume 1, 2003, pages 323-347).

C31. Julio Zukerman-Schpector, *Ionel Haiduc*, Edward R.T. Tiekink:
Supramolecular Self-assembly of Transition Metal Carbonyl Molecules Through M–CO(Lone Pair) . . . π (Arene) Interactions,
in: vol. **Advances in Organometallic Chemistry**, Vol. 60 (Anthony F. Hill and Mark J. Fink, editors), Academic Press, Burlington, **2012**, pp. 49-92, ISBN: 978-0-12-396970-5).

C30. *Ionel Haiduc*, Edward R.T. Tiekink and Julio Zukerman-Schpector:
Supramolecular Aggregation Patterns and Stereochemical Consequences of Tellurium(lone pair)... π (aryl) Interactions
in vol. **The Importance of Pi-Interactions in Crystal Engineering, Frontiers in Crystal Engineering** First Edition -Edited by E.R.T. Tiekink and J. Zukerman-Schpector, John Wiley & Sons, Ltd., New York, **2012**, p. 301-322.

C29. *Ionel Haiduc*: Inorganic:
(Carbon-Free) Chelate Rings: A Dithioimidodiphosphinato Ligand and Some of its Metal Complexes,
in vol. **Inorganic Experiments**, Third, Revised Edition, Edited by J. Derek Woollins, Wiley-VCH Verlag GmbH&Co, KGaA, Weinheim, **2010**, p. 229-233 (reprinted of 1994 edition).

C28. *Ionel Haiduc*, Edward R.T. Tiekink, and Julio Zukerman-Schpector:
Intermolecular tin $\cdots\pi$ -aryl interactions: fact or artifact? A new bonding motif for supramolecular self-assembly in organotin compounds
in vol. **Tin Chemistry – Fundamentals, Frontiers and Applications**, Edited by M. Gielen, John Wiley & Sons, Ltd., Chichester, **2008**, pag. 392-411.

C27. *Ionel Haiduc*:
Supramolecular Organometallic Compounds
in vol. **Encyclopedia of Supramolecular Chemistry**, Taylor and Francis, Ltd, London, **2007**, vol. 1:1, pag. 1-8.
<http://dx.doi.org/10.1081/E-ESMC-120041765>

C26. *Ionel Haiduc*:
1,1-Dithiolato ligands and related selenium and tellurium compounds
in vol. **Handbook of Chalcogen Chemistry. New Perspectives in Sulfur, Selenium and Tellurium**, Edited by F. Devillanova, RSC Publishing, The Royal Society of Chemistry, London, **2007**, pag. 593-643.

C25. *Ionel Haiduc*, Hemant K. Sharma and Keith H. Pannell:
Organolead Chemistry
in vol. **Lead. Chemistry, analytical aspects, environmental impact and health effects**, Edited by José S. Casas and José Sordo, Elsevier Publ. Co., Amsterdam, **2006**, pag. 100-157.

C24. Ionel Haiduc:
Phosphorus-Nitrogen Compounds
in vol. **Encyclopedia of Inorganic Chemistry-Second Edition**, Edited by R.B. King, J. Wiley & Sons, Chichester, New York, Sept. **2005**, vol. 7, pp. 4329-4355

C23. Ionel Haiduc:
Inorganic Ring Systems
in vol. **Encyclopedia of Inorganic Chemistry-Second Edition**, Edited by R.B. King, J. Wiley & Sons, Chichester, New York, **2005**, vol. 4, pp. 2028-2055.

C22. Edward R.T. Tiekink, *Ionel Haiduc*:
Stereochemical aspects of metal xanthate complexes. Molecular structures and supramolecular self-assembly
in vol. **Progress in Inorganic Chemistry**, Edited by K.D. Karlin, J. Wiley & Sons, London, New York, **2005**, vol. **54**, Chapter 3, pp. 127-319.

C21. Ionel Haiduc:
Secondary bonding
in vol. **Encyclopedia of Supramolecular Chemistry**, Edited by J. Steed and J. Atwood, Marcel Dekker, Inc., New York, **2004**, p. 1215-1224.

C20. Ionel Haiduc:
1,1-Dithiolato Ligands
in vol. **Comprehensive Coordination Chemistry II. From Biology to Nanotechnology**, J.A. McCleverty, T.J. Meyer, Editors-in-Chief, Volume 1, **Fundamentals**, Edited by A.B.P. Lever, Elsevier, **2003**, Chapter 1.15, pag. 349-376.

C19. Ionel Haiduc:
Dichalcogenoimidodiphosph(in)ate Ligands
in vol. **Comprehensive Coordination Chemistry II. From Biology to Nanotechnology**, J.A. McCleverty, T.J. Meyer, Editors-in-Chief, Volume 1, **Fundamentals**, Edited by A.B.P. Lever, Elsevier, **2003**. Chapter 1.14, pag. 323-347.

C18. Hemant K. Sharma, *Ionel Haiduc*, Keith H. Pannell :
Transition metal complexes of germanium, tin and lead
in vol. **The Chemistry of Organic Germanium, Tin and Lead Compounds**, Editor: Zvi Rappoport, John Wiley & Sons, Ltd, Chichester, UK, **2002**, Vol. 2 (Part 2), Chapter 17, pp. 1241-1332.

C17. Ionel Haiduc:
Cyclic inorganic oligomers and polymers
in vol. **Cyclic Polymers**, Second edition, Edited by J.A. Semlyen, Kluwer Academic Publishers, Dordrecht, **2000**, Chapter 14, pp. 601-698.

C16. Herbert W. Roesky and *Ionel Haiduc*:

Molecular solids: self-assembled host-guest organometallic aggregates
in vol. **Advances in Molecular Structure Research**, Edited by M. Hargittai and I. Hargittai, JAI Press Inc., Stanford, Conn, **2000**, Vol. **6**, p. 75-95.

C15. *Ionel Haiduc* and R.B. King:
Large Inorganic Ring Molecules
in vol. **Large Ring Molecules**, Edited by J. Semlyen, John Wiley & Sons, Chichester, New York, **1996**, pag. 525-598.

C14. Cristian Silvestru and *Ionel Haiduc*:
Organoantimony(III) compounds. A new class of organometallic antitumor agents
in vol. **Main Group Elements and their Compounds**, V.G. Kumar Das, Editor, Narosa Publishing House, New Delhi, India, **1996**, p. 453-462 (9 pages).

C13. *Ionel Haiduc* and Cristian Silvestru:
Supramolecular associations in organotin, organoantimony and other main group organometallic compounds
in vol. **Main Group Elements and their Compounds**, V.G. Kumar Das, Editor, Narosa Publishing House, New Delhi, India, **1996**, p. 355-369 (14 pages).

C12. *Ionel Haiduc*:
Inorganic (Carbon-Free) Chelate Rings: A Dithioimidodiphosphinato Ligand and Some of its Metal Complexes,
in vol. **Inorganic Experiments**, Edited by J. Derek Woollins, VCH Weinheim, New York, Basel, Cambridge, Tokyo, **1994**, p. 145-149.

C11. *Ionel Haiduc*:
Comments on the nomenclature of inorganic ring systems
in vol. **The Chemistry of Inorganic Ring Systems**, Edited by R. Steudel, Elsevier Science Publishers, Amsterdam, **1992**, p. 451-477.

C10. I. Haiduc:
An inorganic chemist's view on polymer chemistry
In vol. **IUPAC Macromolecular Division, 29th International Symposium on Macromolecules. Plenary and invited lectures**, Bucharest, Romania, September 5-9, **1983**, Part 1, p. 449-476.

C9. I. Haiduc:
Cyclic sulfur-nitrogen compounds
in vol. **Methodicum Chemicum. Vol.7B, Main Group Elements and their Compounds**, Edited by H. Zimmer and K. Niedenzu, Academic Press, New York, **1979**, p. 789-809.

C8. *I. Haiduc* and K.J. Wynne:
Carbon-sulfur(VI) compounds

in vol. **Methodicum Chemicum. Vol.7B, Main Group Elements and their Compounds**, Edited by H. Zimmer and K. Niedenzu, Academic Press, New York, **1979**, p. 670-734.

C7. K.J. Wynne and *I. Haiduc*:

Carbon-sulfur(IV) compounds

in vol. **Methodicum Chemicum. Vol. 7B, Main Group Elements and their Compounds**, Edited by H. Zimmer and K. Niedenzu, Academic Press, New York, **1979**, p. 652-669.

C6. *I. Haiduc* and V. Popa:

Metal complexes of π -ligands containing organosilicon groups

in vol. **Advances in Organometallic Chemistry**, Edited by F.G.A. Stone and R. West, Academic Press, New York, **1977**, Vol. 15, p. 113-146.

C5. *I. Haiduc*:

Recent advances in sulfur-nitrogen inorganic heterocycles

in vol. **Annual Reports in Inorganic and General Synthesis-1976**, Edited by H. Zimmer, Academic Press, New York, **1977**, p. 350-372.

C4. L. Marta and *I. Haiduc*:

The platinum metals. Part I. Ruthenium, osmium, rhodium and iridium

in vol. **Annual Reports in Inorganic and General Synthesis-1976**, Edited by H. Zimmer, Academic Press, New York, **1977**, p. 241-263.

C3. *I. Haiduc*:

Cyclische Schwefel-Stickstoff Verbindungen

in vol. **Methodicum Chemicum, Band 7. Hauptgruppenelemente und deren Verbindungen**. Herausgegeben von H. Zimmer und K. Niedenzu, G. Thieme Verlag, Stuttgart, **1976**, p.811-829.

C2. *I. Haiduc* und K.J. Wynne:

Kohlenstoff-Schwefel(VI) Verbindungen

in vol. **Methodicum Chemicum, Band 7. Hauptgruppenelemente und deren Verbindungen**. Herausgegeben von H. Zimmer und K. Niedenzu, G. Thieme Verlag, Stuttgart, **1976**, p.699-756.

C1. K.J. Wynne und *I. Haiduc*:

Kohlenstoff-Schwefel(IV) Verbindungen

In vol. Methodicum Chemicum, Band 7. Hauptgruppenelemente und deren Verbindungen. Herausgegeben von H. Zimmer und K. Niedenzu, G. Thieme Verlag, Stuttgart, **1976**, p.683-698.

ARTICOLE DE SINTEZA (REVIEW) IN REVISTE

R47. Ionel Haiduc

Inverse coordination - an emerging new chemical concept. II. Halogens as coordination centers

Coord. Chem. Rev. **2017**, 348, 71–91; DOI: 10.1016/j.ccr.2017.08.012

R46. Ionel Haiduc

Inverse coordination - an emerging new chemical concept. Oxygen and other chalcogens as coordination centers

Coord. Chem. Rev. **2017**, 338 1–26; DOI: 10.1016/j.ccr.2017.02.016

R45. Ignez Caracelli, Julio Zukerman-Schpector, *Ionel Haiduc* and Edward R.T. Tiekink
Main group metal lone-pair... π (arene) interactions: a new bonding mode for supramolecular associations

CrystEngComm, **2016**, 18, 6960-6978.

R44. Ionel Haiduc

Dithioarsinates revisited. A mini-review

Studia Univ-Babes-Bolyai, Chemia, **2016**, LXI, 3, Tom 1, 9-18.

R43. Ionel Haiduc

Inorganic (carbon-free) cyclic structures. Covalent rings and cyclic supermolecules.

Revue Roumaine de Chimie, **2014**, **59** (11-12) 905-918.

R42. Ignez Caracelli, *Ionel Haiduc*, Julio-Zukerman-Schpector, Edward R.T. Tiekink:
M... π (arene) interactions for M = gallium, indium and thallium: Influence upon supramolecular self-assembly and prevalence in some proteins

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