Curriculum vitae of Bálint Sztáray

Born: June 28, 1974, Székesfehérvár, Hungary

Affiliation

Department of Chemistry, University of the Pacific
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Degrees and Positions

- **Director, Freshman Honors Program,** University of the Pacific, 2014–
- **Associate professor**, University of the Pacific, 2008–
- **Assistant professor**, Eötvös Loránd University, 2003–2008
- **Postdoctoral fellow**, University of North Carolina, 2001–2003
  Mentor: Professor Tomas Baer
- **Lecturer**, Eötvös Loránd University, 2001
- **Ph.D. in chemistry** *(summa cum laude)*, Eötvös Loránd University, 2001
  Thesis: Ionized states and dissociation of organometallics, adv: Prof. László Szepes
- **M.S. in chemistry** *(first in class of '97*), Eötvös Loránd University, 1997

Research Field

- **photoelectron-photoion coincidence spectroscopy (PEPICO):** *investigation of the fragmentation paths, rates and energetics of energy selected molecular ions, instrument design and fabrication of lab and synchrotron based coincidence experiments, accurate thermochemistry of organics and organometallics*
- **photoelectron spectroscopy (PES):** *investigation of the electronic structure of organometallic compounds, in situ measurement of transient species, investigation of the relationship between electronic structure and energetics of organometallic systems*
- **guided ion-beam threshold collision induced dissociation mass spec (GIB-TCID MS):** *fragmentation pathways and thermochemistry of mass selected organometallic ions*
- **chemical kinetics:** *statistical rate theories and energy distributions in unimolecular dissociation processes*
- **computational chemistry:** *investigation of the geometry and the electronic structure of organic and organometallic compounds with ab initio and density functional methods, calculation of reaction pathways, accurate calculation of ionization energies and thermochemistry*
- **synthesis:** *inert atmospheric techniques to synthesize main group and transition metal organics; solid phase peptide synthesis*

Recent Research Visits

- **Combustion Research Facility, Sandia National Laboratories,** CA
  David Osborn*, Combustion Reactions Followed by Photoelectron Photoion Coincidence Spectroscopy (CRF-PEPICO),* ***2013–***
- **Háskolí Íslands,** Iceland
  Ágúst Kvaran*, iPEPICO data analysis,* ***2011***
- **Swiss Light Source, Paul Scherrer Institut**, Villigen PSI, Switzerland
  Andras Boedi, i*PEPICO construction and measurements,* ***every year from 2006–***
- **University of North Carolina at Chapel Hill**, NC
  Tomas Baer, *TPEPICO,* ***every year between 1998 and 2009***
- **University of Utah**, Salt Lake City, UT
  Peter Armentrout, *TCID measurements,* ***2006, 2007***
- **Laboratoire de Chimie Physique, Université Paris-Sud**, France
  Odile Dutuit, *modeling of C.E.R.I.S.E.S. experimental data,* ***2006***
- **Advanced Light Source, Berkeley National Laboratory**, Berkeley, CA
  Tomas Baer, *statistical modeling, iPEPICO construction,* ***2001, 2003***

Recent Invited Seminars

- Department of Chemistry, **University of Debrecen** – Mar 2014
- Chemical Dynamics Group, **Argonne National Lab** – Feb 2014
- Combustion Research Facility, **Sandia National Lab** – May 2013
- Department of Chemistry, **UC Riverside** – Apr 2013
- Department of Chemistry, **University of San Francisco** – Oct 2012
- Department of Physical Chemistry, **Budapest Technical University** – Oct 2011
- FCSD, **Pacific Northwest National Lab** – Mar 2011
- School of Natural Sciences, **Háskolí Íslands,** Iceland – Jan 2011
- School of Natural Sciences, **UC Merced** – Dec 2010
- Laboratoire de Chimie Physique, **Université Paris-Sud** – May 2010
- Catalysis Interest group, **Paul Scherrer Institut,** Switzerland – May 2010
- **Synchrotron Soleil**, France – Mar 2010
- **Swiss Light Source**, Switzerland – Mar 2010
- Advanced Light Source, **Berkeley National Laboratory** – Feb 2010

Research Grants

- **National Science Foundation** – 2013
  High-Accuracy Thermochemistry with Threshold and Imaging Photoelectron Photoion Coincidence Spectroscopy, $403k

- **ACS Petroleum Research Fund, New Directions** – 2010
  Energetics of the Ligand and Solvent Coordination of Catalytically Important Organometallic Complexes, $100k
- **Swiss Light Source, Beamtime Allocation** – 2008–2015
  Imaging Photoelectron Photoion Coincidence Spectroscopy (many successful proposals)
- **Hungarian National Scientific Research Fund** (OTKA) – 2008
  international collaboration grant
  International Collaborative Photoionization Studies
- **Hungarian National Scientific Research Fund** (OTKA) – 2005
  young investigators award
  Thermochemistry of Organometallic Compounds Using Photoionization Techniques
- **Magyary Fellowship** – 2001, 2003
  postdoctoral research grant
- **NSF – Hungarian Academy** with co-PI Professor Tomas Baer – 2001, 2004
  International Collaborative Photoionization Study of Heats of Formation and Bond Energies of Organometallic Complexes
  received for two funding cycles
- **National Research and Technology Office**, Öveges grant – 2006
  involving undergraduate students in research

Teaching

- **University of the Pacific**
  - Analytical Chemistry Lecture and Lab
  - Instrumental Analytical Chemistry Lecture and Lab
  - General Chemistry Lecture
  - Introductory Chemistry Lecture
  - General Chemistry Labs
  - Introductory Chemistry Lab
- **Eötvös Loránd University**
  - General Chemistry Lecture ***(in English)***
  - General Chemistry Lab ***(in English and Hungarian)***
  - Inorganic Chemistry Lab
  - Elementary Chemical Calculations
  - Photoionization Techniques
- **University of North Carolina**
  - Quantum Chemistry

Mentoring

- 5 Ph.D. theses (4 in Hungary, 1 at Pacific)
- 5 M.S. theses (1 at Pacific)
- two current Ph.D. and one current M.S. graduate students
- several undergraduate research theses at Hungarian undergraduate research conference, *2 national first prizes*
- many undergraduate research students at the University of the Pacific

Distinguished Awards

- **Magyary Postdoctoral Fellowship**
  the most prestigious Hungarian postdoctoral fellowship
  typically 1 or 2 chemists receive it each year
  gives full-professor salary and research funds
- **Pro Scientia Award**
  highest national science award for university students
  received it twice, once as student, once as the advisor of a student
- **National Award for Outstanding M.S. Thesis**
  national award for university students
- **Hungarian Undergraduate Research Conference** – National first prize
  national research fair for undergraduate and M.S. students
- **24th International Chemistry Olympics, Pittsburgh, PA – Gold Medalist**
  competition in chemistry for high school students from more than 30 countries
  national team results: 1. China, 2. Hungary, 3. U.S.A.

Other Awards and Fellowships

- Undergraduate Research Conference of the Eötvös University – First Prize
- Szent-Györgyi Albert Gold Medal
- Excellent Student of the University Award
- Soros Fellowship
- Peregrinatio Fellowship (Eötvös University)

Publications of Bálint Sztáray

62. Multiplexed Photoionization Mass Spectrometry Investigation of the $O(^3P)$ + Propyne Reaction, John D.Savee, Sampada Borkar, Oliver Welz, Bálint Sztáray, Craig A. Taatjes, and David L. Osborn*, *J. Phys. Chem. A,* 119 (2015) 7388–7403

61. Barrierless Proton Transfer Across Weak CH•••O Hydrogen Bonds in Dimethyl Ether Dimer, Bruce Yoder,* Ksenia Bravaya, Andras Bodi, Adam H. C. West, Bálint Sztáray, and Ruth Signorell, *J. Chem. Phys.,* 142 (2015) 114303

60. Threshold Photoelectron Spectrum of the Benzyl Radical, John D. Savee, Judit Zádor, Patrick Hemberger, Bálint Sztáray, Andras Bodi, David L. Osborn,* *Mol. Phys.,* (2015) DOI: 10.1080/00268976.2015.1021398

59. Dissociative Photoionization of Quinoline and Isoquinoline, Jordy Bouwman,* Bálint Sztáray, Jos Oomens, Patrick Hemberger, and Andras Bodi, *J. Phys. Chem. A,* 119 *(*2015) 1127–1136

58. Iodine Atom Loss Kinetics in Internal Energy Selected 1-Iodoalkane Cations by Imaging Photoelectron Photoion Coincidence Spectroscopy, Tyson G. Rowland, Sampada Borkar, Andras Bodi, and Bálint Sztáray,* *Int. J. Mass Spectrom.,* 378 (2015) 134–142

57. Energetics and Dissociation Pathways of Dimethyl Disulfide and Dimethyl Diselenide Using Photoelectron Photoion Coincidence Spectroscopy, Sampada Borkar, Bálint Sztáray,* Andras Bodi, and *J. Electron Spectrosc.,* 196 (2014) 165–172

56. On the Protonation of Water, Andras Bodi, József Csontos, Mihály Kállay, Sampada Borkar, and Bálint Sztáray,* *Chem. Sci.,* 5 (2014) 3057–3063

55. Dynamics of Hydrogen and Methyl Radical Loss from Ionized Dihydro-Polycyclic Aromatic Hydrocarbons: A Tandem Mass Spectrometry and Imaging Photoelectron–Photoion Coincidence (iPEPICO) Study of Dihydronaphthalene and Dihydrophenanthrene, Brandi West, Christine Joblin, Valerie Blanchet, Andras Bodi, Bálint Sztáray, and Paul M Mayer, *J. Phys. Chem. A*, 118 (2014) 1807–1816

54. Mass-Resolved Isomer Selective Chemical Analysis with Imaging Photoelectron Photoion Coincidence Spectroscopy, Andras Bodi, Patrick Hemberger, David L. Osborn, Bálint Sztáray,* *J. Phys. Chem. Lett.,* 4 (2013) 2948–2952

53. From Iron Pentacarbonyl to the Iron Ion by Imaging Photoelectron Photoion Coincidence, Eileen M Russell, Elvis Cudjoe, Michael E. Mastromatteo, James P. Kercher, Bálint Sztáray, and Andras Bodi, Journal of Physical Chemistry A, 117 (2013) 4556–4563

52. Metal-Cyclopentadienyl Bond Energies in Metallocene Ions using Threshold Collision-Induced Dissociation Mass Spectrometry, Tyson G. Rowland, Bálint Sztáray, and P. B. Armentrout, Journal of Physical Chemistry A, 117 (2013) 1299–1309

51. Tunneling in H Loss From Energy Selected Ethanol Ions, Andras Bodi, M. Daniel Brannock, Bálint Sztáray, and Tomas Baer*, Physical Chemistry Chemical Physics, 14 (2012) 16047–16050

50. On the Dissociation of the Naphthalene Radical Cation: New iPEPICO and Tandem Mass Spectrometry Results, Brandi West, Christine Joblin, Valerie Blanchet, Andras Bodi, Bálint Sztáray, and Paul M. Mayer, Journal of Physical Chemistry A, 116 (2012) 10999–11007

49. Dissociating $C_3H_5Br^+$ Ions: Almost All Roads Lead to the Allyl Cation, Sampada Borkar, Bálint Sztáray,* and Andras Bodi,* International Journal of Mass Spectrometry, 330–332 (2012) 100–108

48. A New Double Imaging Velocity Focusing Coincidence Experiment: i^2PEPICO, Andras Bodi, Patrick Hemberger, Thomas Gerber, and Bálint Sztáray, Review of Scientific Instruments, 83 (2012) 083105

47. Metal–Carbonyl Bond Energies in Phosphine Analogue Complexes of $Co(CO)_3NO$ by Photoelectron Photoion Coincidence Spectroscopy, Csaba István Pongor, László Szepes, Rosemarie Basi, Andras Bodi, and Bálint Sztáray,* Organometallics, 31 (2012) 3620–3627

46. Bonding in a borylene complex investigated by photoionization and dissociative photoionization, Kathrin H. Fischer, Michael Schneider, Ingo Fischer, Bernd Pfaffinger, Holger Braunschweig, Bálint Sztáray, and Andras Bodi, Chemistry a European Journal, 18 (2012) 4533-4540

45. Dissociation dynamics of fluorinated ethene cations: from time bombs on a molecular level to double-regime dissociators, Jonelle Harvey, Andras Bodi, Richard Tuckett, Balint Sztáray, Physical Chemistry Chemical Physics, 14 (2012) 3935-3948

44. Thermochemistry of Halomethanes CF_nBr_{4-n} (n = 0–3) Based on iPEPICO Experiments and Quantum Chemical Computations, Andras Bodi, Ágúst Kvaran, and Bálint Sztáray*, Journal of Physical Chemistry A, 115 (2011) 13443-13451

43. Dissociative photoionization mechanism of methanol isotopologues (CH_3OH, CD_3OH, CH_3OD and CD_3OD) by iPEPICO: energetics, statistical and non-statistical kinetics and isotope effects, Sampada Borkar, Bálint Sztáray, and Andras Bodi, Physical Chemistry Chemical Physics, 13 (2011) 13009-13020

42. Binding Energies and Isomerization in Metallocene Ions from Threshold Photoelectron Photoion Coincidence Spectroscopy, Ágnes Révész, László Szepes, Tomas Baer, and Bálint Sztáray*, Journal of the American Chemical Society, 132 (2010) 17795–17803

41. Modeling Unimolecular Reactions in Photoelectron Photoion Coincidence Experiments, Bálint Sztáray,* Andras Bodi, and Tomas Baer, Journal of Mass Spectrometry, 45 (2010) 1233–1245

40. Dissociative Photoionization of Sulfur Chlorides and Oxochlorides: Thermochemistry and Bond Energies Based on Accurate Appearance Energies, Sampada Borkar, Lauren Ooka, Andras

Bodi, Thomas Gerber and Bálint Sztáray*, Journal of Physical Chemistry A, 114 (2010) 9115–9123

39. Self-consistent Heats of Formation for the Ethyl Cation, Ethyl Bromide and Ethyl Iodide from Threshold Photoelectron Photoion Coincidence Spectroscopy, Sampada Borkar, and Bálint Sztáray*, Journal of Physical Chemistry A, 114 (2010) 6117–6123

38. Dissociation of Energy-Selected 1,1-Dimethylhydrazine Ions, Zsolt Gengeliczki, Sampada N. Borkar, Bálint Sztáray*, Journal of Physical Chemistry A, 114 (2010) 6103–6110

37. Effect of substituents on the excited-state dynamics of the modified DNA bases 2,4-diaminopyrimidine and 2,6-diaminopurine, Zsolt Gengeliczki, Michael P. Callahan, Nathan Svadlenak, Csaba István Pongor, Bálint Sztáray, Leo Meerts, Dana Nachtigallová, Pavel Hobza, Mario Barbatti, Hans Lischka, Mattanjah S. de Vries*, Physical Chemistry Chemical Physics, 12 (2010) 5375-5388

36. Photoelectron Spectra of Phosphine Analogue Complexes of $Co(CO)_3NO$ and $CpMn(CO)_3$, Csaba István Pongor, Zsolt Gengeliczki, László Szepes, Frank Axe, Bálint Sztáray*, Organometallics, 29 (2010) 724

35. Dissociative photoionization of $X(CH_3)_3$ (X = N, P, As, Sb, Bi): mechanism, trends and accurate energetics, Balázs Hornung, Andras Bodi, Csaba Pongor, Zsolt Gengeliczki, Tomas Baer, Bálint Sztáray*, Journal of Physical Chemistry A, 113 (2009) 8091–8098

34. The diatomic dication PO^{2+}, Ágnes Révész, Bálint Sztáray, Detlef Schröder,*, Klaus Franzreb, Jiří Fišer, Stephen D. Price, Jana Roithová*, Physical Chemistry Chemical Physics, 11 (2009) 6192–6198

33. Imaging photoelectron photoion coincidence spectroscopy with velocity focusing electron optics, Andras Bodi*, Melanie Johnson, Thomas Gerber, Zsolt Gengeliczki, Bálint Sztáray, Tomas Baer, Reviews of Scientific Instruments, 80 (2009) 034101

32. Specific Rate Constants k(E) of the Dissociation of Halobenzene Ions: Analysis by Statistical Unimolecular Rate Theories, William Stevens, Nicholas Shuman, Bálint Sztáray, Jürgen Troe, Tomas Baer*, Journal of Physical Chemistry A, 113 (2009) 573-582

31. Heats of Formation of $HCCl_3$, $HCCl_2Br$, $HCClBr_2$, $HCBr_3$, and Their Fragment Ions Studied by Threshold Photoelectron Photoion Coincidence, Nicholas S. Shuman, Linda Ying Zhao, Michael Boles, Tomas Baer, and Bálint Sztáray, Journal of Physical Chemistry A, 112 (2008) 10533-10538

30. TPEPICO spectroscopy of vinyl chloride and vinyl iodide: Neutral and ionic heats of formation and bond energies, Nicholas S. Shuman, Melony A. Ochieng, Bálint Sztáray, and Tomas Baer*, Journal of Physical Chemistry A, 112 (2008) 5647-5652

29. Data acquisition schemes for continuous two-particle time-of-flight coincidence experiments, Andras Bodi, Bálint Sztáray, Tomas Baer, Melanie Johnson, and Thomas Gerber*, Review of Scientific Instruments, 78 (2007) 084102

28. Photoelectron spectroscopy and thermochemistry of tert-butylisocyanide substituted cobalt tricarbonyl nitrosyl, Zsolt Gengeliczki , László Szepes, Bálint Sztáray*, and Tomas Baer, Journal of Physical Chemistry A, 111 (2007) 7542-7550

27. The Acylaminoacyl Peptidase from Aeropyrum pernix K1 Thought to Be an Exopeptidase Displays Endopeptidase Activity, András L. Kiss, Balázs Hornung, Krisztina Rádi, Zsolt Gengeliczki, Bálint Sztáray, Tünde Juhász, Zoltán Szeltner, Veronika Harmat, and László Polgár*, Journal of Molecular Biology, 368 (2007) 509–520

26. Photoion Photoelectron Coincidence Spectroscopy of Primary Amines RCH_2NH_2 (R = H, CH_3, C_2H_5, C_3H_7, i-C_3H_7): Alkylamine and Alkyl Radical Heats of Formation by Isodesmic Reaction Networks, Andras Bodi, James P. Kercher, Curtis Bond, Patcharica Meteesatien, Bálint Sztáray, and Tomas Baer*, Journal of Physical Chemistry A, 111 (2007) 16-26

25. Dissociation dynamics of sequential ionic reactions: Heats of formation of tri−, di− and monoethyl phosphine, James P. Kercher, Zsolt Gengeliczki, Bálint Sztáray, and Tomas Baer*, Journal of Physical Chemistry A, 110 (2006) 13425-13433

24. Manganese–Chalcocarbonyl Bond Strengths from Threshold Photoelectron Photoion Coincidence Spectroscopy, Ágnes Révész, Csaba I. Pongor, Andras Bodi, Bálint Sztáray*, and Tomas Baer, Organometallics, 25 (2006) 6061-6067

23. Assigning Photoelectron Spectra of Transition Metal Organometallic Complexes on the Basis of Kohn-Sham Orbital Energies, Zsolt Gengeliczki, Csaba Pongor, and Bálint Sztáray*, Organometallics, 25 (2006) 2553-2560

22. On the dissociation of the 2-pentanone ion studied by threshold photoelectron photoion coincidence spectroscopy, James P. Kercher, Bálint Sztáray, and Tomas Baer*, International Journal of Mass Spectrometry, 249 (2006) 403-411

21. Dissociative Photoionization of Mono-, Di- and Trimethylamine Studied by a Combined Threshold Photoelectron Photoion Coincidence Spectroscopy and Computational Approach, Andras Bodi, Bálint Sztáray and Tomas Baer*, Physical Chemistry Chemical Physics, 2006, 613 - 623

20. Heats of Formation of $Co(CO)_2NOPR_3$, R = CH_3 and C_2H_5, and its Ionic Fragments, Zsolt Gengeliczki, Bálint Sztáray*, Tomas Baer, Christopher Iceman, and Peter B. Armentrout, Journal of the American Chemical Society, 127 (2005) 9393-9402

19. Threshold Photoelectron Photoion Coincidence Studies of Parallel and Sequential Dissociation Reactions, Tomas Baer*, Bálint Sztáray, James P. Kercher, A.F. Lago, Andras Bödi, Christopher Skull, and Don Palathinkal, Physical Chemistry Chemical Physics, 2005, 1507-1513

18. Dissociative Photoionization and Thermochemistry of Dihalomethane Compounds Studied by Threshold Photoelectron Photoion Coincidence Spectroscopy, A. F. Lago, James P. Kercher, Andras Bodi, Bálint Sztáray, B. Miller, D. Wurzelmann, and Tomas Baer*, Journal of Physical Chemistry A, 109 (2005) 1802-1809

17. On the Parallel Mechanism of the Dissociation of Energy-Selected $P(CH_3)_3^+$ Ions, Andras Bodi, James P. Kercher, Tomas Baer*, and Bálint Sztáray, Journal of Physical Chemistry B, 109 (2005) 8393-8399

16. Heats of Formation of the Propionyl Ion and Radical and 2,3-Pentanedione by Threshold Photoelectron Photoion Coincidence Spectroscopy, James P. Kercher, Elizabeth A. Fogleman, Hideya Koizumi, Bálint Sztáray, and Tomas Baer*, Journal of Physical Chemistry A, 109 (2005) 939-946

15. The statistical theory for unimolecular decay of organic and organometallic ions, Tomas Baer and Bálint Sztáray, volume 5, Encyclopedia of Mass Spectrometry, Elsevier, 2004

14. Effect of Phosphine Substitution on the Electronic Structure of Cobalt Tricarbonyl Nitrosyl, Zsolt Gengeliczki, Andras Bodi, and Bálint Sztáray*, Journal of Physical Chemistry A, 108 (2004) 9957-9961

13. Electron Impact Ionization in Helium Nanodroplets: Controlling Fragmentation by Active Cooling of Molecular Ions, William K. Lewis, Brian E. Applegate, Judit Sztáray, Bálint Sztáray, Tomas Baer, Raymond J. Bemish, and Roger E. Miller*, Journal of the American Chemical Society, 126 (2004) 11283-11292

12. The Heats of Formation of the Acetyl radical and Ion obtained by Threshold Photoelectron Photoion Coincidence, Elizabeth A. Fogleman, Hideya Koizumi, James P. Kercher, Bálint Sztáray, and Tomas Baer*, Journal of Physical Chemistry A, 108 (2004) 5288-5294

11. Neutral Cobalt-Carbonyl Bond Energy by Combined Threshold Photoelectron Photoion Coincidence and He(I) Photoelectron Spectroscopy, Bálint Sztáray, László Szepes and Tomas Baer*, Journal of Physical Chemistry A, 107 (2003) 9486-9490

10. The suppression of hot electrons in threshold photoelectron photoion coincidence spectroscopy using velocity focusing optics, Bálint Sztáray and Tomas Baer*, Review of Scientific Instruments 74 (2003) 3763

9. Consecutive and Parallel Dissociation of Energy Selected $Co(CO)_3NO^+$ Ions, Bálint Sztáray and Tomas Baer*, Journal of Physical Chemistry A, 106 (2002) 8046-8053

8. The Dissociation Kinetics of Energy Selected Cp_2Mn^+ Ions Studied by Threshold Photoelectron-Photoion Coincidence Spectroscopy, Yue Li, Bálint Sztáray, Tomas Baer*, Journal of the American Chemical Society, 124 (2002) 5842-5849

7. The dissociation kinetics of energy selected $CpMn(CO)_3^+$ ions studied by threshold photoelectron-photoion coincidence spectroscopy, Yue Li, Bálint Sztáray, Tomas Baer*, Journal of the American Chemical Society, 123 (2001) 9388

6. The dissociation dynamics and thermochemistry of energy selected $CpCo(CO)_2^+$ ions, Bálint Sztáray, Tomas Baer*, Journal of the American Chemical Society, 122 (2000) 9219

5. A photoelectron and photoion coincidence study of the ICH2CN dissociation: Thermochemistry of $^{\cdot}CH_2CN$, $^{+}CH_2CN$, and ICH_2CN, Rick D. Lafleur , Bálint Sztáray, Tomas Baer*, Journal of Physical Chemistry A, 104 (7) (2000) 1450

4. The geometry and electronic structure of bis(cyclopentadienyl)-bis(tetrahydridoborato)-zirconium(IV), Bálint Sztáray, Edina Rosta, Zsolt Böcskey, László Szepes*, Journal of Organometallic Chemistry, 582 (1999) 267

3. Photoelectron spectroscopy of mono and binuclear iron and chromium cyclooctatetraene complexes, Gábor Vass, Bálint Sztáray, László Szepes*, Journal of Organometallic Chemistry, 560 (1998) 7

2. Structure and photoelectron spectrum of tetramethyldiarsane, Bálint Sztáray*, Péter G. Szalay, Journal of the American Chemical Society, 119 (1997) 11926

1. Rotational isomerism in tetramethyldistibane studied by UV photoelectron-spectroscopy, Bálint Sztáray, Attila Nagy, László Szepes*, Hans J. Breunig, Journal of Organometallic Chemistry, 515 (1996) 249