

Magdolna Hargittai

List of Publications through January 2010

1. Books, written	1
2. Books, edited	3
3. Book chapters	4
4. Texts	6
5. Scientific papers	7
6. Conference abstracts	17
7. Popular articles, reports, and others	24
8. Book Reviews	28

1. Books, written

M. Hargittai, I. Hargittai:

Koordinációs vegyületek gőzfázisú molekulageometriája (The Molecular Geometries of Coordination Compounds in the Vapour Phase). A kémia újabb eredményei (Advances in Chemistry). B. Csákvári, ed. Vol. 23. Akadémiai Kiadó: Budapest, 1974. 283 p. (in Hungarian)

M. Hargittai, I. Hargittai:

Geometriya molekul koordinatsionnykh soedinenii v paroobraznoi faze (The Molecular Geometries of Coordination Compounds in the Vapour Phase). Mir: Moscow, 1976. 248 p. (in Russian)

M. Hargittai, I. Hargittai:

The Molecular Geometries of Coordination Compounds in the Vapour Phase. Akadémiai Kiadó: Budapest and Elsevier: Amsterdam, New York, 1977. 276 p.

M. Hargittai:

Cooking the Hungarian Way, Easy Menu Ethnic Cookbooks, Lerner Publications, Minneapolis, 1986 (three printings). Second revised edition, 2002.

I. Hargittai, M. Hargittai:

Symmetry through the Eyes of a Chemist. VCH Verlagsgesellschaft: Weinheim and VCH Publishers: New York, 1986. xii + 458 p. (Paperback edition, VCH Publishers: New York, 1987)

I. Hargittai, M. Hargittai:

Simmetriya glazami khimika (Symmetry through the Eyes of a Chemist). Mir: Moscow, 1989. 494 p. (in Russian)

M. Hargittai, I. Hargittai:

Fedezzük föl a szimmetriát! Tankönyvkiadó: Budapest, 1989, 148 p.

I. Hargittai, M. Hargittai:

Symmetry: A Unifying Concept

Shelter Publications: Bolinas, CA, 1994. xviii + 222 p.

Second printing, Shelter Publ. and Random House: New York, 1996.

I. Hargittai, M. Hargittai:

Symmetry through the Eyes of a Chemist. Second, revised edition. Plenum Press:

New York, 1995, xii + 469 p. (Hardback and paperback editions).

M. Hargittai, I. Hargittai:

Upptack symmetri! (Discover Symmetry!). Natur och Kultur: Stockholm, 1998, 144 p.

I. Hargittai, M. Hargittai:

Symmetrie: Eine neue Art, die Welt zu sehen, Rohwolt Taschenbuch Verlag:

Reinbek, 1998, 288 p.

I. Hargittai, M. Hargittai:

In Our Own Image: Personal Symmetry in Discovery, Plenum Press: New York, 2000, xvii + 235 p.

I. Hargittai, M. Hargittai:

Szimmetriák a felfedezésben

Vince Kiadó, Budapest, 2003.

M. Hargittai, I. Hargittai

Candid Science IV: Conversations with Famous Physicists, Imperial College Press, London, 2004.

M. Hargittai, I. Hargittai

Képes szimmetria

Galenus Kiadó, Budapest, 2005.

I. Hargittai, M. Hargittai

Candid Science VI: More Conversations with Famous Scientists, Imperial College Press, London, 2006.

M. Hargittai, I. Hargittai

Conversations with Hyaluronan Scientists, Hyaluronan (General Editor E. A. Balazs), Volume 1.

PubMatrix, Edgewater, New Jersey, 2009, 448 pp.

M. Hargittai, I. Hargittai

Symmetry through the Eyes of a Chemist, Third, revised edition, Springer, 2009, xii + 520 p.

M. Hargittai, I. Hargittai

Visual Symmetry, World Scientific Publishers, 2009, 209 pp.

2. Books, edited

I. Hargittai, M. Hargittai, eds.:

Stereochemical Applications of Gas-Phase Electron Diffraction. Part A: The Electron Diffraction Technique. xviii + 563 p. Part B: Structural Information for Selected Classes of Compounds. xviii + 511 p. *Methods of Stereochemical Analysis*. A.P.Marchand, series ed. Vol.10. VCH Publishers: New York, 1988.

M. Hargittai, I. Hargittai, series eds.:

JAI Advances in Molecular Structure Research. Vol.1. JAI Press: Greenwich, CT, 1995, ix + 352 p.

M. Hargittai, I. Hargittai, series eds.:

JAI Advances in Molecular Structure Research. Vol.2. JAI Press: Greenwich, CT, 1996, ix + 255 p.

M. Hargittai, I. Hargittai, series eds.:

JAI Advances in Molecular Structure Research. Vol.3. JAI Press: Greenwich, CT, 1997, ix + 346 p.

M. Hargittai, I. Hargittai, series eds.:

JAI Advances in Molecular Structure Research. Vol.4. JAI Press: Greenwich, CT, 1998, x + 380 p.

M. Hargittai, I. Hargittai, series eds.:

JAI Advances in Molecular Structure Research. Vol.5. JAI Press: Stamford, CT, 1999, ix + 389 p.

M. Hargittai, I. Hargittai, series eds.:

JAI Advances in Molecular Structure Research. Vol.6. JAI Press: Stamford, CT, 2000, ix + 476 p.

M. Hargittai, series ed.:

I. Hargittai, *Candid Science: Conversation with Famous Chemists*, Imperial College Press: London, 2000, xii + 516 p. (Hardback and paperback editions).

M. Hargittai, series ed.:

I. Hargittai, *Candid Science II: Conversation with Famous Biomedical Scientists*, Imperial College Press: London, 2002.

M. Hargittai, series ed.:

I. Hargittai, *Candid Science III: More Conversation with Famous Chemists*, Imperial College Press: London, 2003.

3. Book chapters

I. Hargittai, M. Hargittai:

The importance of small structural differences

In: Molecular Structure and Energetics. J.F.Liebman, A.Greenberg, eds. Vol.2, Chapter 1, pp.1-35. VCH Publishers: New York, 1987.

I. Hargittai, M. Hargittai:

Polyhedral molecular geometries

In: Shaping Space: A Polyhedral Approach. M.Senechal, G.Fleck, eds. Chapter 10, pp.172-188. Birkhäuser: Boston, Basel, 1988.

M. Hargittai:

Metal halides

In: Stereochemical Applications of Gas-Phase Electron Diffraction. I.Hargittai, M.Hargittai, eds. Part B: Structural Information for Selected Classes of Compounds. Chapter 9, pp.383-454. VCH Publishers: New York, 1988.

M. Hargittai:

Hawaiian flowers with fivefold symmetry

In: Fivefold Symmetry. I.Hargittai, ed. pp.529-541. World Scientific: Singapore, New Jersey, etc., 1992.

M. Hargittai, I. Hargittai:

Linear, bent, and quasilinear molecules

In: Structures and Conformations of Non-Rigid Molecules. J.Laane, M.Dakkouri, B. van der Veken, H.Oberhammer, eds. pp.465-489. NATO ASI Series C: Mathematical and Physical Sciences, Vol.410. Kluwer Academic Publishers: Dordrecht, Boston, London, 1993.

I. Hargittai, M. Hargittai:

Some perspectives in molecular structure research: An introduction

In: JAI Advances in Molecular Structure Research. M.Hargittai, I.Hargittai, series eds. Vol.1. JAI Press: Greenwich, CT, 1995.

I. Hargittai, M. Hargittai:

The Universality of the Symmetry Concept

In: Nexus: Architecture and Mathematics, K. Williams, ed., Edizioni dell'Erba, 1996.

I. Hargittai, M. Hargittai:

Über die Anwendbarkeit des Symmetrie-Konzeptes in der modernen chemischen Forschung

In: Evolutionäre Symmetrietheorie: Selbstorganisation und dynamische Systeme. W. Hahn, P. Weibel, eds. pp. 231-240. S. Hirzel: Wissenschaftliche Verlagsgesellschaft Stuttgart, 1996. (Edition Universitas)

M. Hargittai, I. Hargittai:

Symmetry, Molecular

In: Encyclopedia of Applied Physics. pp. 337-354. Vol. 20. VCH Publishers, Inc., 1997.

M. Hargittai, I. Hargittai:

Das Symmetrie-Konzept in der modernen chemischen Forschung

In: Jenseits von Kunst. P. Weibel, ed. pp.182-185. Passagen Verlag: Wien, 1997.

M. Hargittai, I. Hargittai:

A szimmetriák szépsége: Portrévázlatok a személyes szimmetriából

In: A Művészetén túl, szerk. P. Weibel, pp. 182-185. Kortárs Művészeti Múzeum, Budapest, 1998.

M. Hargittai:

Rita Levi Montalcini

In I. Hargittai, Candid Science II: Conversations with Famous Biomedical Scientists, M. Hargittai, ed., Imperial College Press, 2002.

M. Hargittai:

Frederich Robbins

In I. Hargittai, Candid Science II: Conversations with Famous Biomedical Scientists, M. Hargittai, ed., Imperial College Press, 2002.

M. Hargittai:

Metal Halide Molecular Structures

In: A. Domenicano, I. Hargittai, eds.: Strength from Weakness: Structural Consequences of Weak Interactions in Molecules, Supramolecules, and Crystals, Kluwer, Dordrecht, 2002, pp. 191-211.

M. Hargittai, I. Hargittai:

Aspects of Structural Chemistry in Molecular Biology

In: A. Domenicano, I. Hargittai, eds.: Strength from Weakness: Structural Consequences of Weak Interactions in Molecules, Supramolecules, and Crystals, Kluwer, Dordrecht, 2002, 91-119.

I. Hargittai, M. Hargittai:

Symmetry Within and Without

In: Surroundings Surrounded. P. Weibek, ed. pp. 280-294. Zentrum für Medientechnologie, Karlsruhe, MIT Press, Boston, 2002.

M. Hargittai:

Lawrence S. Bartell

In I. Hargittai, Candid Science III: More Conversations with Famous Chemists, M. Hargittai, ed., Imperial College Press, London, 2003.

M. Hargittai:

Mildred Cohn

In I. Hargittai, Candid Science III: More Conversations with Famous Chemists, M.

Hargittai, ed., Imperial College Press, London, 2003.

M. Hargittai

Neta A. Bahcall

In B. Hargittai and I. Hargittai, *Candid Science V: Conversations with Famous Scientists*, Imperial College Press, London, 2005.

I. Hargittai, M. Hargittai

Princess Chulabhorn of Thailand

In B. Hargittai and I. Hargittai, *Candid Science V: Conversations with Famous Scientists*, Imperial College Press, London, 2005.

M. Hargittai

Vera Rubin

In B. Hargittai and I. Hargittai, *Candid Science V: Conversations with Famous Scientists*, Imperial College Press, London, 2005.

Hargittai, M.; Hargittai, I.

Symmetry and Structure

In: *Electron Crystallography: Novel Approaches for Structure Determination of Nanosized Materials*, NATO Science Series II., Vol 211 (Ed: Thomas E. Weirich, János L. Lábár and Xiaodong Zou), Springer, Dordrecht, 2005, pp. 43-58.

Hargittai, I.; Hargittai, M.

Electron Diffraction Theory and Methods

In: *Encyclopedia of Spectroscopy and Spectrometry*, 2nd Edition (Ed. John Lindon and David Koppenaal), Elsevier, Amsterdam, 2010. pp.

Hargittai, M ; Hargittai, I.

Electron Diffraction Applications

In: *Encyclopedia of Spectroscopy and Spectrometry*, 2nd Edition (Ed. John Lindon and David Koppenaal), Elsevier, Amsterdam, 2010. pp.

M. Hargittai, I. Hargittai:

Polyhedral molecular geometries

In: *Shaping Space: A Polyhedral Approach*. 2nd edition, M.Senechal, G.Fleck, eds. Chapter 10, pp.172-188. Birkhäuser: Boston, Basel, 2010.

4. Texts

I. Hargittai, M. Hargittai:

A folyadékok elektrondiffrakciójáról. In: *Az elektrondiffrakció és gyakorlati alkalmazása*. Tanfolyam jegyzete. M. Mészáros, ed. Chapter VIII, P. 293. Méréstechnikai és Automatizálási Tudományos Egyesület: Budapest, 1967-1968.

5. Scientific papers

I. Hargittai, M. Hargittai, J. Hernádi:

A tio-bisz(dimetil-amin), $(\text{CH}_3)_2\text{NSN}(\text{CH}_3)_2$ molekulaszervezetének
elektrondiffrakciós vizsgálata
Magy.Kém.Foly. 76 (1970) 63

I. Hargittai, M. Hargittai, V. P. Spiridonov, E. V. Erokhin:

An electron diffraction study on the vapors of tungsten trioxide
J.Mol.Struct. 8 (1971) 31

I. Hargittai, M. Hargittai:

Electron diffraction study on the molecular structure of methane sulfonyl fluoride
J.Mol.Struct. 15 (1973) 399

S. J. Cyvin, S. Dobos, I. Hargittai, M. Hargittai, E. Augdahl:

Mean amplitudes of vibration for $\text{CH}_3\text{SO}_2\text{F}$ and $\text{CH}_3\text{SO}_2\text{Cl}$ from spectroscopic data
J.Mol.Struct. 18 (1973) 203

M. Hargittai, I. Hargittai:

On the molecular structure of methane sulfonyl chloride as studied by electron
diffraction
J.Chem.Phys. 59 (1973) 2513

I. Hargittai, M. Hargittai:

On the molecular structure of $\text{N,N}'$ -thio-bis(dimethylamine) as studied by electron
diffraction
Acta Chim.Hung. 75 (1973) 129

M. Hargittai, I. Hargittai, V. P. Spiridonov:

Aluminium bond configuration in $\text{AlCl}_3\cdot\text{NH}_3$: An electron diffraction study
J.Chem.Soc., Chem.Comm. (1973) 750

I. Hargittai, M. Hargittai:

On the bond angle in AlCl_3
J.Chem.Phys. 60 (1974) 2563.

M. Hargittai, I. Hargittai:

An electron diffraction study of the molecular geometry of dimethyl sulphone
J.Mol.Struct. 20 (1974) 283

M. Hargittai, I. Hargittai, J. Tamás, M. Bihari, A. A. Ivanov, V. P. Szpiridonov:

A $\text{Cl}_3\text{Al}\cdot\text{NH}_3$ és $\text{Cl}_3\text{Ga}\cdot\text{NH}_3$ molekulakomplex elektron diffrakciós és tömegspektró-
méteres vizsgálata
Magy.Kém.Foly. 80 (1974) 442

M. Hargittai, I. Hargittai, Spiridonov V. P., M. Pelissier, J.-F. Labarre:

Electron diffraction study and CNDO/2 calculations on the complex of aluminium trichloride with ammonia, $\text{Cl}_3\text{Al.NH}_3$
J.Mol.Struct. 24 (1975) 27

B. N. Cyvin, M. Hargittai, S. J. Cyvin, I. Hargittai:
 On the ring puckering of the trimeric tungsten trioxide molecule
Acta Chim.Hung. 84 (1975) 55

M. Hargittai, I. Hargittai, Spiridonov V. P.:
 The molecular geometry of the addition compound $\text{Cl}_3\text{Ga.NH}_3$ as studied by electron diffraction
J.Mol.Struct. 30 (1976) 31

M. Hargittai, I. Hargittai:
 Electron diffraction investigation of the molecular structures of two trimethylamine - boron halide adducts in the vapour phase
J.Mol.Struct. 39 (1977) 79

M. Hargittai, I. Hargittai, V.P. Spiridonov, A.A. Ivanov:
 Electron diffraction investigation of the molecular structures of the addition compounds $\text{Br}_3\text{Al.NH}_3$ and $\text{Br}_3\text{Ga.NH}_3$ in the vapour phase
J.Mol.Struct. 39 (1977) 225

B.N. Cyvin, S.J. Cyvin, M. Hargittai, I. Hargittai:
 Spectroscopic calculations for the $(\text{CH}_3)_3\text{N.BF}_3$ and $(\text{CH}_3)_3\text{N.BCl}_3$ complexes
Z. Anorg. Allg.Chem. 440 (1978) 111

M. Hargittai, J. Brunvoll:
 On the barrier to internal rotation in the trimethylamine complexes of boron trifluoride and boron trichloride
Inorg.Chim.Acta 31 (1978) 379

M. Hargittai:
 Az alumínium-klorid más fém-kloridokkal alkotott komplexeinek szerkezetéről. I. Kondenzált fázisú rendszerek (On the structures of complexes of aluminum chloride with other metal chlorides. I. Condensed-phase complexes) (in Hungarian)
Kém.Közlem. 50 (1978) 371

M. Hargittai:
 Az alumínium-klorid más fém-kloridokkal alkotott komplexeinek szerkezetéről. II. Alkáli-[kloro-aluminátok]. Gáz-halmazállapotú komplexek (On the structures of complexes of aluminum chloride with other metal chlorides. II. Alkali chloro aluminates. Gas-phase complexes) (in Hungarian)
Kém.Közlem. 50 (1978) 489

M. Hargittai, J. Tamás, M. Bihari, I. Hargittai:
 On the molecular structure of the donor - acceptor complexes of aluminium and gallium halides with ammonia as studied by electron diffraction and mass spectrometry

Acta Chim.Hung. 99 (1979) 127

M. Hargittai, J. Tremmel, I. Hargittai:

Molecular structure of dimeric iron trichloride in the vapour phase as determined by electron diffraction

J.Chem.Soc., Dalton Trans. (1980) 87

M. Hargittai, J. Brunvoll:

On the internal motion of iron chloride molecules

Z.Naturforsch. 35a (1980) 848

Hargittai, T. Vajda, J. Tremmel, I. Hargittai:

Vas-halogenidek molekulaszervezetéről

Kém.Közlem. 54 (1980) 260

M. Hargittai, S. Samdal, R. Seip:

The molecular structure and conformation of acetamides in the vapour phase. III.

Thioacetamide (ethanethioamide)

J.Mol.Struct. 71 (1981) 147

M. Hargittai:

On the bond length variation in the dihalides of the first series transition metals

Inorg.Chim. Acta 53 (1981) 111

Vajda E., T. Székely, M. Hargittai, A. K. Maltsev, E. G. Baskir, O. M. Nefedov:

On the molecular structure of dichloromethyl trichloro-silane, $\text{CHCl}_2\text{SiCl}_3$

J.Mol.Struct. 73 (1981) 243

M. Hargittai, I. Hargittai:

The molecular geometry of sulphuryl chloride: An electron diffraction reinvestigation

J.Mol.Struct. 73 (1981) 253

M. Hargittai, I. Hargittai, J. Tremmel:

The molecular structure of monomeric manganese(II) bromide with evidence on the structure of the dimer from electron diffraction

Chem.Phys.Lett. 83 (1981) 207

L. Fernholt, Haaland A., M. Hargittai, R. Seip, J. Weidlein:

The molecular structures of the complexes of trimethylaluminium with 1,3-epoxypropane (oxetane) and dimethylsulphide, $(\text{CH}_3)_3\text{AlO}(\text{CH}_2)_3$ and $(\text{CH}_3)_3\text{AlS}(\text{CH}_3)_2$, determined by gas phase electron diffraction

Acta Chem.Scand. A35 (1981) 529

M. Hargittai, Vajda E., C. J. Nielsen, P. Klæboe, R. Seip, J. Brunvoll:

On the molecular structure of bis(trichloromethyl) sulphone from electron diffraction and vibrational spectra of bis(trichloromethyl) and bis(tribromomethyl) sulphone

Acta Chem.Scand. A37 (1983) 341

M. Hargittai, I. Hargittai:

On the linearity of iron dichloride
J.Mol.Spectr. 108 (1984) 155

M. Hargittai, I. Hargittai:

Molekulaszerkezet elektrondiffrakcióból I. Elektrondiffrakció
Magy. Kém. Lapja 39 (1984) 22

I. Hargittai, M. Hargittai:

Molekulaszerkezet elektrondiffrakcióból II. Molekulaszerkezetek
Magy.Kém.Lapja 39 (1984) 80

M. Hargittai, O. V. Dorofeeva, J. Tremmel:

Molecular structure of monomeric cobalt dibromide with some information on the structure of the dimer from electron diffraction
Inorg.Chem. 24 (1985) 245

M. Hargittai, O. V. Dorofeeva, J. Tremmel:

Molecular structure of vanadium dichloride and chromium dichloride from electron diffraction
Inorg.Chem. 24 (1985) 3963

M. Hargittai, A. R. Rossi:

Theoretical investigation of the molecular structure of manganese dichloride
Inorg.Chem. 24 (1985) 4758

M. Hargittai, J. Tremmel, I. Hargittai:

Molecular structure of zinc dichloride, zinc dibromide, and zinc diiodide from electron diffraction
Inorg.Chem. 25 (1986) 3163

M. Hargittai, I. Hargittai:

Gas-solid molecular structure differences
Phys. Chem. Minerals 14 (1987) 413

E. Vajda, M. Hargittai, I. Hargittai, J. Tremmel, J. Brunvoll:

Electron diffraction reinvestigation of the molecular structure of calcium dihalides
Inorg.Chem. 26 (1987) 1171

M. Hargittai:

The molecular geometry of gas-phase metal halides
Coord. Chem. Rev. 91 (1988) 35

M. Hargittai, M. Kolonits, J. Tremmel, J.-L. Fourquet, G. Ferey:

The molecular geometry of iron trifluoride from electron diffraction and a reinvestigation of aluminum trifluoride
Struct.Chem. 1 (1990) 75

G. Gershikov, Subbotina N. Y., M. Hargittai:

Molecular structure and force field of silicon dichloride and silicon dibromide from joint analysis of vibrational spectroscopic and electron diffraction data
J.Mol.Spectr. 143 (1990) 293

M. Hargittai:

On the bond length variation of first-series transition metal di- and trihalides. A comment on the bond length of FeF_3
Inorg.Chim.Acta 180 (1991) 5

M. Hargittai, Subbotina N. Y., M. Kolonits, A. G. Gershikov:

Molecular structure of first-row transition metal dihalides from combined electron diffraction and vibrational spectroscopic analysis
J.Chem.Phys. 94 (1991) 7278

M. Hargittai, Subbotina N. Y., A. G. Gershikov:

Molecular vibrations of iron trifluoride and aluminium trifluoride from gas-phase electron diffraction
J.Mol.Struct. 245 (1991) 147

M. Hargittai, I. Hargittai, M. Kolonits, D. Knausz:

Alkáliföldfém-halogenidek alakja
Kém.Közlem. 73 (1991) 271

M. Hargittai, M. Kolonits, D. Knausz, I. Hargittai:

The shape of alkaline earth dihalide molecules: The molecular geometry of strontium dibromide from electron diffraction
J.Chem.Phys. 96 (1992) 8980

M. Hargittai, I. Hargittai:

Experimental and computed bond lengths: The importance of their differences
Int.J.Quant.Chem. 44 (1992) 1057

N. Vogt, M. Hargittai, M. Kolonits, I. Hargittai:

Molecular structure of cadmium diiodide from combined electron diffraction and vibrational spectroscopic analysis
Chem.Phys.Lett. 199 (1992) 441

M. Hargittai, I. C. Tornieporth-Oetting, T. M. Klapötke, M. Kolonits, I. Hargittai:

Bromine azide – Determination of the molecular structure by electron diffraction in the gas phase
Angew.Chem., Int.Ed.Engl. 32 (1993) 759

M. Hargittai, G. Jancsó:

Correlation of crystal structure and vapor composition of metal dihalides
Z.Naturforsch. 48a (1993) 1000

M. Hargittai, T. Veszprémi, T. Pasinszki:

On the variation of bond length during large-amplitude bending from electron

diffraction: the case of CaCl_2
J.Mol.Struct. 326 (1994) 213

M. Hargittai, J. Molnár, T. M. Klapötke, I. C. Tornieporth-Oetting, M. Kolonits, I. Hargittai:
Iodine azide. Molecular structure from gas-phase electron diffraction
J.Phys.Chem. 98 (1994) 10095

O. Tőke, M. Hargittai:
Molecular structure of bismuth trichloride from combined electron diffraction and vibrational spectroscopic study
Struct.Chem. 6 (1995) 125

J. Molnár, C.J. Marsden, M. Hargittai:
The molecular structures and force fields of monomeric and dimeric magnesium dichloride from electron diffraction and quantum chemical calculation
J.Phys. Chem., 99 (1995) 9062

J. Molnár, M. Hargittai:
Prediction of the shape of lanthanide trihalides
J.Phys.Chem., 99 (1995) 10780

J. Molnár, R. J. M. Konings, M. Kolonits, M. Hargittai:
Molecular structure of CeI_3 from gas-phase electron diffraction and vibrational spectroscopy
J. Mol. Struct., 375 (1996) 223

M. Hargittai, M. Kolonits, L. Gödörházi:
Molecular Geometry of Monomeric and Dimeric Aluminum Tribromide from Gas-Phase Electron Diffraction
Chem. Phys. Letters, 257 (1996) 321

I. Hargittai, M. Hargittai:
Structure of Molecules and Assemblies
Croatica Chemica Acta, 69 (1996) 1023

J. Molnár, M. Kolonits, M. Hargittai, R.J.M. Konings, A.S. Booi:
Molecular Structure of SbI_3 and BiI_3 from Combined Electron Diffraction and Vibrational Spectroscopic Studies
Inorg. Chem., 35 (1996) 7639

J. Molnár, M. Kolonits, M. Hargittai:
Molecular Structure of SbF_3 and BiF_3 : An Electron Diffraction Study
J. Mol. Struct., 413/414 (1997) 441

M. Hargittai, B. Réffy, M. Kolonits, C.J.Marsden, J.-L. Heully:
The Structure of the Free MnF_3 Molecule – A Beautiful Example of the Jahn-Teller Effect
J. Am. Chem. Soc., 119 (1997) 9042-9048

B. Réffy, M. Kolonits, M. Hargittai:

Gallium Tribromide: Molecular Geometry of Monomer and Dimer from Gas-Phase Electron Diffraction

J. Mol. Struct., 445 (1998) 139

J.B. Levy, N. Martin, I. Hargittai, M. Hargittai:

Intra- and Intermolecular Hydrogen Bonding in 2-Phosphinylphenol: A Quantum Chemical Study

J. Phys. Chem. A, 102 (1998) 274

M. Kolonits, M. Hargittai:

Molecular Structure of Silicon Tetraiodide

Struct. Chem., 9 (1998) 349

A. McKenzie, T.M. Klapotke, Gy. Schultz, M. Hargittai:

Molecular Structure of tert-Butylazide: A Gas-Phase Electron Diffraction and Quantum Chemical Study

Struct. Chem., 10 (1999) 59

Gy. Schultz, M. Kolonits, M. Hargittai:

Molecular Structure of BiBr₃: An Electron Diffraction Study

Struct. Chem., 10 (1999) 321

M. Hargittai:

Comment on "A Theoretical Study of Bonding in Lanthanide Trihalides by Density Functional Methods"

J. Phys. Chem. A, 103 (1999) 7552

J. B. Levy and M. Hargittai:

Unusual Dimer Structures of the Heavier Alkaline Earth Dihalides: A Density Functional Study

J. Phys. Chem. A, 104 (2000) 1950-1958

B. Réffy, M. Kolonits, A. Schulz, T. M. Klapötke, M. Hargittai:

Intriguing Gold Trifluoride – Molecular Structure of Monomers and Dimers: An Electron Diffraction and Quantum Chemical Study

J. Am. Chem. Soc., 122 (2000) 3127-3134

MacKenzie, M. Kolonits, M. Hargittai:

Molecular Structure of MnI₂: A Gas-Phase Electron Diffraction Study

Struct. Chem. 11 (2000) 203

Schultz G., M. Kolonits, M. Hargittai:

Molecular Structure of Germanium Dibromide: A Reinvestigation

Struct. Chem. 11 (2000) 161

M. Hargittai:

Metal Halide Molecular Structures

Chem. Rev. 100 (2000) 2233-2301.

M. Hargittai, A. Schulz, B. Réffy, M. Kolonits:

Molecular Structure, Bonding and Jahn-Teller Effect in Gold Chlorides: Quantum Chemical Study of AuCl₃, Au₂Cl₆, AuCl₄⁻, AuCl, and Au₂Cl₂ and Electron Diffraction Study of Au₂Cl₆

J. Am. Chem. Soc. 123 (2001) 1449-1458

M. Hargittai, M. Kolonits, G. Schultz:

The Molecular Structure of Barium Dibromide: an Electron Diffraction and Quantum Chemical Study

J. Mol. Struct. 567-568 (2001) 241-246.

M. Hargittai, G. Schultz, P. Schwerdfeger, M. Seth:

Evidence for the Singlet of Cl₂ Being the Ground State? The Structure of Carbon Tetraiodide and Carbon Diiodide from Electron Diffraction and All Carbon Iodides, CIn (n = 1-4) from High Level Computation

Struct. Chem. 12 (2001) 377.

A. Schulz, M. Hargittai:

Structural Variations and Bonding in Gold Halides. A Quantum Chemical Study of Monomeric and Dimeric Gold Monohalide and Gold Trihalide Molecules, AuX, Au₂X₂, AuX₃, and Au₂X₆ (X = F, Cl, Br, I)

Chem. Eur. J. 7 (2001) 3657-3670.

M. Hargittai, G. Schultz, and I. Hargittai:

Molecular Structure of Carbene Analogues

Russ. Chem. Bull. Int. Ed. 50(11) (2001) 1903 (Izv. Akad. Nauk Ser. Khim. No. 11 (2001) 1817.

I. Hargittai, M. Hargittai:

Experiments, Calculation, Computation: in a Shifting Balance

J. Mol. Struct. (Theochem), 592 (2002) 1-6.

M. Hargittai, P. Schwerdtfeger, B. Réffy, R. Brown:

The Molecular Structure of Different Species of Cuprous Chloride from Gas-Phase Electron Diffraction and Quantum Chemical Calculation

Chem. Eur. J. 9 (2003) 327-333.

B. Réffy, C.J. Marsden, M. Hargittai:

Molecular Geometry of Monomeric and Dimeric Yttrium Trichloride from Gas-Phase Electron Diffraction and Quantum Chemical Calculation

J. Phys. Chem. A 107 (2003) 1840-1849.

A. Szabados, M. Hargittai:

Molecular Structure of Carbene Analogues: A Computational Study

J. Phys. Chem. A, 107 (2003) 4314-4321.

M. Hargittai, I. Hargittai:

Eternal Dissymmetry

Mendeleev Communications, 3 (2003) 91-92.

J.B. Levy, G. Jancso, M. Hargittai:

Structure and Thermodynamics of the Tin Dichloride Dimer

J. Phys. Chem. A, 107 (2003) 10450-10455.

M. Kolonits, B. Réffy, G. Jancsó, M. Hargittai:

Molecular Structure and Thermochemistry of Tin Dibromide Monomers and Dimers:
A Computational and Electron Diffraction Study

J. Phys. Chem. A, 108 (2004) 6778-6783.

M. Hargittai, B. Réffy:

Structural Isomers of Dihalosilanones. Theoretical Determination of Their
Geometries, Spectroscopic Constants, and Potential Energy Surfaces

J. Phys. Chem. A, 108 (2004) 10194-10199.

M. Hargittai

High-Temperature Gas-Phase Electron Diffraction: Unexpected Dimer Structures
Among Metal Halides

Struct. Chem. **2005**, 16, 33-40.

Müller-Rösing, H.C.; Schulz, A.; Hargittai, M.

Structure and Bonding in Silver Halides. A Quantum Chemical Study of the
Monomers: Ag₂X, AgX, AgX₂, and AgX₃ (X = F, Cl, Br, I)

J. Am. Chem. Soc. **2005**, 127, 8133-8145.

Réffy, B.; Kolonits, M.; Hargittai, M.

Molecular Structure of Magnesium Dibromide : An Electron Diffraction and
Quantum Chemical Study

J. Phys. Chem. A **2005**, 109, 8379-8384.

Hargittai, M.; Hargittai, I.

Symmetry in Chemistry

European Review, **2005**, 13, 61-75.

Hargittai, M.

On the Structure of the FeF₃ Molecule

J. Chem. Phys. **2005**, 123, 196101-196102.

Hargittai, M.; Réffy, B.; Kolonits, M.

An Intricate Molecule – Aluminum Triiodide. Molecular Structure of AlI₃ and Al₂I₆
from Electron Diffraction and Computation

J. Phys. Chem. A 2006, 110, 3770-3777.

Varga, Z.; Hargittai, M.

The NaDyBr₄ Complex; Its Molecular Structure and Thermodynamic Properties

Struct. Chem. 2006, 17, 225-233.

Varga, Z.; Lanza, G.; Minichino, C.; Hargittai, M.

Quasilinear Molecule par Excellence, SrCl₂: Structure from High-Temperature Gas-Phase Electron Diffraction and Quantum Chemical Calculations; Computed Structures of SrCl₂-Argon Complexes
Chem. Eur. J. 2006, 12, 8345-8357.

Hargittai, M.; Varga, Z.

Molecular Constants of Aluminum Monohalides: Caveats for Computations of Simple Inorganic Molecules
J. Phys. Chem. A 2007, 111, 6-8.

Neizer, Z.; Varga, Z.; Jancsó, G.; Hargittai, M.

Vapor phase tin diiodide: its structure and thermodynamics, a computational study
Struct. Chem. 2007, 18, 641-648.

Liebman, J.F.; Varga, Z.; Hargittai, M.

Chemistry, commentary and community: Discussion of "The NaDyBr₄ complex: its molecular structure and thermodynamic properties" by Varga and Hargittai
Struct. Chem. 2007, 18, 269-271.

Hargittai, M.

Symmetry, Crystallography, and Art
Applied Physics A, 2007, 89, 889-898.

Lanza, G.; Varga, Z.; Kolonits, M.; Hargittai, M.

On the effect of 4f electrons on the structural characteristics of lanthanide trihalides. Computational and electron diffraction study of dysprosium trichloride
J. Chem. Phys. 2008, 128, 074301-14.

Vest, B.; Varga, Z.; Hargittai, M.; Hermann, A.; Schwerdtfeger, P.

The Elusive Structure of CrCl₂ – A Combined Computational and Gas Phase Electron Diffraction Study
Chem. Eur. J. 2008, 14, 5130-5143.

Varga, Z.; Hargittai, M.

Structures and thermodynamic properties of aluminum oxyhalides: A computational study
Struct. Chem. 2008, 19, 595-602.

I. Hargittai, M. Hargittai

Molecular structure of hyaluronan: an introduction
Struct. Chem. 2008, 19, 697-717.

Hargittai, M.; Kovacs, A.; Nyulaszi, L.; Veszpremi, T.

Számítógéppel a periódusos rendszerben
Magyar Kémiai Folyóirat, 2008, 114, 95-101.

Donald, K. J.; Hargittai, M.; Hoffmann, R.

Group 12 Dihalides: Structural Predilections from Gases to Solids

Chem. Eur.J. 2009, 15, 158-177.

Brian Vest, Peter Schwerdtfeger, Maria Kolonits and Magdolna Hargittai

Chromium Difluoride: Probing the Limits of Structure Determination

Chem. Phys. Lett. 2009, 468, 143-147.

Hargittai, M.

Structural Effects in Molecular Metal Halides

Acc. Chem. Res. 2009, 42(3), 453-462.

DOI: 10.1021/ar800205r

Hargittai, M.

Vibronic Interactions in Metal Halide Molecules

Struct. Chem. 2009, 20, 21-30.

Cornelis Petrus Groen, Zoltán Varga, Mária Kolonits, Kirk A. Peterson, and Magdolna Hargittai

Does the 4f Electron Configuration Affect Molecular Geometries?

A Joint Computational, Vibrational Spectroscopic, and Electron Diffraction Study of Dysprosium Tribromide

Inorg. Chem. 2009, 48, 4143-4153.

Hargittai, M.; Hargittai, I.

Hermann Jahn and Rudolf Renner of the Jahn–Teller and Renner–Teller Effects.

Struct. Chem. 2009, 20, 537-540.

Varga, Z.; Kolonits, M.; Hargittai, M.

Gas-Phase Structures of Iron Trihalides: A Computational Study of all Iron Trihalides and an Electron Diffraction Study of Iron Trichloride

Inorg. Chem. 2010, 49, 1039-1045.

6. Conference abstracts

I. Hargittai, M. Hargittai:

Molecular structure studies on $(\text{CH}_3)_2\text{NSN}(\text{CH}_3)_2$ and $(\text{CH}_3)_2\text{NSON}(\text{CH}_3)_2$ by electron diffraction

International Union of Crystallography, Eighth International Congress Including Topical Meetings. Buffalo, Stony Brook, Upton, 1969. Communicated Abstracts XIV-26. *Acta Cryst.*, Suppl. A25 (1969) S165.

I.Hargittai, M.Hargittai, V.P.Spiridonov, E.V.Erokhin:

An electron diffraction study of the sublimation product of tungsten trioxide

Third Austin Symposium on Gas Phase Molecular Structure. Austin, 1970. Abstracts W6, pp.38-41.

L.V.Vilkov, N.A.Tarassenko, L.S.Khaikin, I.Hargittai, M.Hargittai, N.I.Shvetsov, T.L.Italinskaya, E.E.Nifant'ev:

Trends in the molecular geometries of nitrogen and oxygen derivatives of elements in groups IV, V, and VI (in Russian)

Vliyanie vysshikh atomnykh orbitalei na fizicheskie i khimicheskie svoistva soedinenii neperekhodnykh elementov (Conference on the Effect of Higher Atomic Orbitals on the Physical and Chemical Properties of Compounds of Non-transition Elements). Riga, 1971. Collected Abstracts IV-23, pp.77-78.

M.Hargittai, I.Hargittai, V.P.Spiridonov:

The aluminium bond configuration in $\text{AlCl}_3 \cdot \text{NH}_3$ as studied by gas electron diffraction

Proceedings of the Fifteenth International Conference on Coordination Chemistry. Moscow, 1973. I-76, pp.93-94.

E.Z.Zasorin, A.A.Ivanov, V.P.Spiridonov, I.Hargittai, M.Hargittai:

Electron diffraction study of the vapors of chromium trioxide (in Russian)

Proceedings of the All-Union Conference on the Chemistry of Vapor Phase Inorganic Compounds and Processes of Evaporation. Ed.: G.I.Novikov. Minsk, 1973. pp.90-91.

M.Hargittai, I.Hargittai, B.N.Cyvin, S.J.Cyvin:

Kinematic effects in molecular vibration studies of free and complexed ligands. II. The $\text{AlCl}_3 \cdot \text{NH}_3$ complex

Proceedings of All India Symposia on Physics Education and Research. Research Section. Cochin, 1974, Publ. 1976. pp.67-76.

M.Hargittai, I.Hargittai, V.P.Spiridonov:

Gas phase electron diffraction study of the structure of coordination compounds $\text{NH}_3 \cdot \text{AlCl}_3$ and $\text{NH}_3 \cdot \text{GaCl}_3$ (in Russian)

Fizicheskie i matematicheskie metody v koordinatsionnoi khimii, Pyatoe vsesoyuznoe soveshchanie (Physical and Mathematical Methods in Coordination Chemistry, Fifth All-union Conference). Kishinev, 1974. Abstracts pp.149-150.

M.Hargittai:

The molecular geometries of the addition compounds $\text{Cl}_3\text{Al} \cdot \text{NH}_3$ and $\text{Cl}_3\text{Ga} \cdot \text{NH}_3$ in the vapour phase as studied by electron diffraction

Second European Crystallographic Meeting. Keszthely, 1974. Collected Abstracts 26-5, pp.444-445.

M.Hargittai:

The molecular geometries of the addition compounds $\text{Cl}_3\text{B} \cdot \text{N}(\text{CH}_3)_3$ and $\text{F}_3\text{B} \cdot \text{N}(\text{CH}_3)_3$ in the vapour phase as studied by electron diffraction

Eighth Hungarian Diffraction Conference. Tihany, 1976. Collected Abstracts P49-P50.

M.Hargittai, I.Hargittai:

Iron chloride molecular structures

Eighth Austin Symposium on Gas Phase Molecular Structure. Austin, 1980. Abstracts A11, p.73.

M.Hargittai, I.Hargittai:

Structural variations in free metal halide molecules

Twenty-second International Conference on Coordination Chemistry. Budapest, 1982. Abstracts MO P 113, p.302.

O.Dorofeeva, M.Hargittai, J.Tremmel:

Molecular structure of some transition metal dihalides I. Electron diffraction studies

Tenth Austin Symposium on Molecular Structure. Austin, 1984. Abstracts A10, p.90.

M.Hargittai, A.R.Rossi:

Molecular structure of some transition metal dihalides II. Theoretical aspects

Tenth Austin Symposium on Molecular Structure. Austin, 1984. Abstracts A13, p.93.

M.Hargittai, M.Kolonits, N.Y.Subbotina:

Molecular geometry of nickel dichloride

Thirteenth Austin Symposium on Molecular Structure. Austin, 1990. Abstracts S18, p.104.

M.Hargittai, I.Hargittai:

Metal dihalide molecules: Linear or bent?

33rd IUPAC Congress. Budapest, 1991. Book of Abstracts 2011, p.49.

M.Hargittai, I.Hargittai:

Shape of alkaline earth dihalide molecules: The molecular geometry of strontium dibromide

Fourteenth Austin Symposium on Molecular Structure. Austin, 1992. Abstracts S19, p.102.

N.Y.Subbotina, M.Hargittai, I.Hargittai:

The molecular geometry of cadmium diiodide from combined electron diffraction/vibrational spectroscopic analysis

Fourteenth Austin Symposium on Molecular Structure. Austin, 1992. Abstracts S41, p.124.

M.Hargittai, I.Hargittai:

Linear, bent, and quasilinear molecules

Structures and Conformations of Non-rigid Molecules. NATO Advanced Research Workshop, Universität Ulm, Günzburg, 1992. Abstracts L6, p.6.

I.Hargittai, M.Hargittai:

Experimental and computed geometries: Should they be the same ?

IUCr XVI. Congress and General Assembly, Beijing, 1993. Collected Abstracts PS-06.02.16, p.173.

M.Tafipolskii, M.Kolonits, R.J.M.Konings, M.Hargittai:

Molecular structure of cerium triiodide

Fifteenth Austin Symposium on Molecular Structure. Austin, 1994. Abstracts P18, p.30.

M.Hargittai, G.Jancsó:

The structure of inorganic halides in their crystals and vapors
Fifteenth Austin Symposium on Molecular Structure. Austin, 1994. Abstracts WA3,
p.68.

J.Molnár, M.Hargittai:

Reinvestigation of the structure of magnesium dichloride
Fifteenth Austin Symposium on Molecular Structure. Austin, 1994. Abstracts S33,
p.134.

O.Tóke, B.Rozsondai, M.Hargittai:

Molecular geometry of bismuth trifluoride
Fifteenth Austin Symposium on Molecular Structure. Austin, 1994. Abstracts S48,
p.149.

T.Veszprémi, T.Pasinszki, M.Hargittai, I.Hargittai:

Dynamical corrections in critical comparison of bond lengths
Fifteenth Austin Symposium on Molecular Structure. Austin, 1994. Abstracts S51,
p.152.

M. Hargittai, I. Hargittai:

Computed versus Experimental Bond Lengths
Fourth Conference on Current Trends in Computational Chemistry, Vicksburg, 1995.
Abstracts, p.28.

J. Molnár, J. Leszczynski, M. Hargittai:

The Molecular Structure of Chromium Dichloride from MP2 Calculations. Study of
Basis Set Effects
Fourth Conference on Current Trends in Computational Chemistry, Vicksburg, 1995.
Abstracts, p.29

J. Molnár, M. Kolonits, M. Hargittai:

Surrogate Electronic Scattering Functions
Sixteenth Austin Symposium on Molecular Structure. Austin, 1996. Abstract P11,
p. 23.

J. Molnár, Konings R. J. M., A.S. Booij, M. Hargittai:

Molecular Geometry and Vibrational Spectra of Group VA Triiodides
Sixteenth Austin Symposium on Molecular Structure. Austin, 1996. Abstract P12,
p. 24.

J. Molnár, J. Leszczynski, M. Hargittai:

Bond Length Variation in the First-Row Transition Metal Difluoride Series. Ab initio
and Density Functional Study
Sixteenth Austin Symposium on Molecular Structure. Austin, 1996. Abstract P49,
p. 87.

L. Gödörházi, M. Kolonits, M. Hargittai:

Molecular Geometry of Monomeric and Dimeric Aluminum Tribromide
Sixteenth Austin Symposium on Molecular Structure. Austin, 1996. Abstract P50,
p. 88.

S.A. Tarasenko, M. Kolonits, M. Hargittai:

Carbon and Silicon Iodides. An Electron Diffraction and Quantum Chemical Study
Sixteenth Austin Symposium on Molecular Structure. Austin, 1996. Abstract P51,
p. 89.

M. Hargittai, B. Réffy, M. Kolonits, C.J. Marsden, J.-L. Heully:

The Free MnF_3 Molecule - A Beautiful Example of the Jahn-Teller Effect
Fifth Conference on Current Trends in Computational Chemistry, Vicksburg, 1996.
Abstracts, p.46-47.

J. Molnár, M. Kolonits, J. Leszczynski, M. Hargittai:

Is $SrCl_2$ Linear or Bent? Determination of a Long-Disputed Molecular Shape
Fifth Conference on Current Trends in Computational Chemistry, Vicksburg, 1996.
Abstracts, p.99.

J. Molnár, J. Leszczynski, M. Hargittai:

Molecular Geometry of Chromium Dichloride - Monomers, Dimers, and Trimers. A
Joint Electron Diffraction and Quantum Chemical Study.
Fifth Conference on Current Trends in Computational Chemistry, Vicksburg, 1996.
Abstracts, p.100.

A. Tarasenko, M. Kolonits, M. Hargittai:

The Iodides of Carbon: An Electron Diffraction Study.
First UNCW Mini-Symposium on Chemical and Biochemical Structure and
Function, Wilmington, 1997.
Abstract, 11.

J. Molnar, M. Kolonits, M. Hargittai:

Structural Trends in Group 15 Trihalides: The Molecular Structure of SbF_3 and BiF_3 .
First UNCW Mini-Symposium on Chemical and Biochemical Structure and
Function, Wilmington, 1997.
Abstract, 12.

M. Hargittai, B. Reffy, M. Kolonits, C.J.Marsden, J.-L Heully:

The Free MnF_3 Molecule – A Beautiful Example of the Jahn-Teller Effect
First UNCW Mini-Symposium on Chemical and Biochemical Structure and
Function, Wilmington, 1997.
Abstract, 13.

M. Hargittai, J.B. Levy, N.H. Martin:

Computer Modeling of Compounds with Intramolecular Hydrogen Bonds between
Hydroxy and Phosphoryl Groups: 2-Phosphynilphenol.
First UNCW Mini-Symposium on Chemical and Biochemical Structure and
Function, Wilmington, 1997.
Abstract, 14.

G. Szasz, M. Kolonits, M. Hargittai:

The Iodides of Carbon: A Gas-Phase Electron Diffraction and Quantum Chemical Study.

Sixth Conference on Current Trends in Computational Chemistry, Vicksburg, MS, 1997, Abstract, p. 164.

M. Hargittai:

Structure of Metal Halides: Concerted Application of Various Techniques

2nd UNCW Symposium on Chemistry and Biochemistry, Wilmington, 1998.

Abstract, 20.

Invited plenary lecture

J.B. Levy, I. Hargittai, M. Hargittai:

Polyhedral Clusters of Elemental Phosphorus: A Quantum Chemical Study

2nd UNCW Symposium on Chemistry and Biochemistry, Wilmington, 1998.

Abstract, 37.

C.P. Groen, Kovács A., Konings R. J. M., A.S. Booij, M. Kolonits, M. Hargittai:

Molecular Geometry and Vibrational Spectra of Yttrium Triiodide

Seventeenth Austin Symposium on Molecular Structure. Austin, 1998. Abstract, p. 33.

M. Hargittai:

Metal Halides: A Continuing Challenge to Structural Chemistry

Seventeenth Austin Symposium on Molecular Structure. Austin, 1998. Abstract, p. 46.

Invited plenary lecture

B. Réffy, M. Kolonits, T.M. Klapötke, A. Schulz, M. Hargittai:

Molecular Geometry of Vapor-Phase Gold Trifluoride

Seventeenth Austin Symposium on Molecular Structure. Austin, 1998. Abstract, p. 89.

J. Sponer, J. Leszczynsky, M. Hargittai:

Molecular Structure of First Row Transition Difluorides: A Systematic Computational Study

Seventh Conference on Current Trends in Computational Chemistry. Vicksburg, Mississippi, 1998. Abstract, p. 116.

M. Hargittai:

Metal Halide Molecular Structures: Interaction of Computation and Experiment

Seventh Conference on Current Trends in Computational Chemistry. Vicksburg, Mississippi, 1998. Abstract, p. 50.

Invited plenary lecture

M. Hargittai, I. Hargittai:

Experimental, Computed Bond Angles: The Importance of Their Differences

3rd UNCW Symposium on Chemistry, Biochemistry, January, 1999. Book of

Abstracts.

M. Hargittai:

The Meaning of Structure for Metal Halide Molecules
High Temperature Metal Halide Chemistry, 10th International IUPAC Conference,
April 2000, Jülich, Germany. Book of Abstracts, K10, p. 22.
Invited keynote lecture

M. Hargittai:

Concerted Studies of Fluxional Systems: Metal Halide Structures
In: A. Domenicano, I. Hargittai: Lecture Notes, International School of
Crystallography, Erice, Italy, 2001. p. 147.

A. Szabados, B. Reffy, M. Hargittai:

Different Molecular Species in the Vapors of Chromium Trichloride
In: A. Domenicano, I. Hargittai: Lecture Notes, International School of
Crystallography, Erice, Italy, 2001. p. 369

M. Hargittai:

Conversations with Women Scientists
11th Conference on Current Trends in Computational Chemistry, November 1-2,
2002, Jackson, MS, USA, p. 71.

H.-C. Müller, A. Schulz, M. Hargittai:

Structure and Bonding in Silver Halides: A Quantum Chemical Study of Silver
Mono- and Trihalides
11th Conference on Current Trends in Computational Chemistry, November 1-2,
2002, Jackson, MS, USA, p. 105.

M. Hargittai, I. Hargittai:

Symmetry and Structure
Lecture Notes
In Electron Crystallography: Novel Approaches for Structure Determination of
Nonosized Materials
International School of Crystallography, Erice, 2004.

M. Hargittai, I. Hargittai:

Symmetry and Structure
Lecture Notes
In Diversity Amidst Similarity: A Multidisciplinary Approach to Polymorphs,
Solvates and Phase Relationships. pp. 218-224.
International School of Crystallography, Erice, 2004.

M. Hargittai:

Symmetry, Crystallography, and Art
2nd Workshop on How Did Solid-Solid Transformations Occur? International School
of Molecular and Structural Archaeology, June 2-6, 2006, Erice, pp. 53-54.

M. Hargittai:

Changing Relationship between Computation and Experiment: Metal Halide Molecular Structures, 15th Conference on Current Trends in Computational Chemistry, Jackson, Mississippi, 72-73, 2006

Varga Z; Hargittai M:

Heterocomplexes of DyBr₃ with Alkali Halides: A Computational Study of Their Structures and Relative Stabilities, 15th Conference on Current Trends in Computational Chemistry, Jackson, Mississippi, 186-187, 2006

Hargittai M:

Structural Effects in Inorganic Chemistry, 17th Conference on Current Trends in Computational Chemistry, Jackson, Mississippi, 64-65, 2008

Varga Z; Kovács A; Groen CP; Hargittai M:

A Theoretical and Matrix-Isolation Infrared Spectroscopic Study of Mixed MDyX₄ (M=Alkali Metals, X=Halogens) Vapor Complexes, 17th Conference on Current Trends in Computational Chemistry, Jackson, Mississippi, 167-169, 2008

7. Popular articles, reports, and others

I. Hargittai, M. Hargittai:

Preface

In: Stereochemical Applications of Gas-Phase Electron Diffraction. I. Hargittai, M. Hargittai, eds. Part A, pp. XIII-XIV, Part B, pp. XIII-XIV. VCH Publishers: New York, 1988.

I. Hargittai, M. Hargittai:

Shuzo Shibata: scientist, friend

In: The Scientific Papers of Professor Shuzo Shibata. A Collection of Papers in Commemoration of His Retirement. pp. [VI-IX]. Shizuoka, 1988.

M. Hargittai, J. Vogt:

Register of Gas-Phase Electron Diffraction Dissertations. Sektion für Spektren- und Strukturdocumentation, Universität Ulm: Ulm, 1990. 204 p.

I.Hargittai, M.Hargittai:

Use of artistic analogies in chemical research and education
Leonardo 27 (1994) 223

I. Hargittai, M. Hargittai:

Symmetry of opposites: Antisymmetry
Math. Intell. 16 (1994) 60

I. Hargittai, M. Hargittai:

One-dimensional space groups in Hungarian stamps
Math. Intell., 18 (1996) 78

I. Hargittai, M. Hargittai:

Symmetry in Cities (educational poster)
Tarquin Publications, England, 1996.

I. Hargittai, M. Hargittai:
Symmetry in Nature (educational poster)
Tarquin Publications, England, 1996.

M. Hargittai, I. Hargittai:
Symmetry in Chemistry and Beyond
Current Science, 79 (1997) 818

M. Hargittai, I. Hargittai:
Symmetry and Perception: Logos of Rotational Point Groups Induce the Feeling of Motion
Math. Intell., 19 (1997) 55

M. Hargittai, I. Hargittai:
Edward Teller
Chem. Intell., 3, No. 1 (1997) 14

M. Hargittai, I. Hargittai:
Messengers from the Sun: Counting Neutrinos Deep Down under the Gran Sasso
Chem. Intell., 3, No. 3 (1997) 10

M. Hargittai, I. Hargittai:
Leon Lederman
Chem. Intell. 4, No. 4 (1998) 21

I. Hargittai, M. Hargittai:
Találkozások Heisenberggel, Landauval, Paulinggal és másokkal (beszélgetés Teller Edével és feleségével)
Fizikai Szemle XLVIII, No. 1 (1998) 21

I. Hargittai, M. Hargittai:
A szimmetriák szépsége (Portrévázlatok a Személyes Szimmetriából)
Magyar Tudomány CV, új folyam XLIII., No. 6 (1998) 676

M. Hargittai, I. Hargittai:
Remote Teacher
J. Mol. Struct. 485-486 (1999) xxviii

M. Hargittai, I. Hargittai:
An Almost-Hyper-Cube Moiré
Hyperspace 8 (1999) (2) 66

I. Hargittai, M. Hargittai:
“Doing Something Creative”: Melvin Calvin
Chem. Intell. 6, No. 1 (2000) 52.

I. Hargittai, M. Hargittai:

Royal Chemistry: Princess Chulabhorn of Thailand
Chem. Intell. 6, No. 1 (2000) 25.

I. Hargittai, M. Hargittai:

Rudolf Peiers
Chem. Intell. 6, No. 2 (2000) 54

I. Hargittai, M. Hargittai:

Giant of Another Era: A Meeting with Sir Mark Oliphant
Chem. Intell. 6, No. 3 (2000) 50-54.

I. Hargittai, M. Hargittai:

Emilio Segrè
Chem. Intell. 6, No. 4 (2000) 54-56.

I. Hargittai, M. Hargittai:

Homage to Emmy Noether
Math. Intell. 24, No. 1 (2002) 48-49.

I. Hargittai, A. Comotti, M. Hargittai:

Giulio Natta
Chem. & Eng. News 2003, 81 (6) [Feb. 10], 26-28.

I. Hargittai, M. Hargittai:

Giulio Natta: A complex portrait (Letters)
Chem. & Eng. News 2003 81 (9) 8-9.

I. Hargittai, M. Hargittai:

Hidegháború és fizika (Interjú Teller Edével)
História XXV. évf. 4. szám (2003) 20-24. (in Hungarian)

M. Hargittai, I. Hargittai:

Tudósok Tellerről
Magyar Tudomány 48 (12) (2003) 1547-1553. (in Hungarian)

I. Hargittai, M. Hargittai:

Szimmetriák a felfedezésben
Interpress Magazin, 2003. November, 24-30.

I. Hargittai, M. Hargittai

Találkozások Francis Crickkel
Magyar Tudomány 2005/1, 8493.

M. Hargittai, I. Hargittai

Teller Ede a halál árnyékában
Magyar Tudomány 2005/8, 1001-1009.

Hargittai, M.; Hargittai, I.

Symmetry in Chemistry
European Review, 2005, 13, 61-75.

Hargittai, M.
Hozzászólás „A Jövő tudós női” című íráshoz
Magyar Tudomány 2006/1, 106.

Hargittai, M.
Egy örökmozgó fizikus
Magyar Tudomány 2006/8, 991-995.

Hargittai, M.
Beszélgetés Telegdi Bálinttal
Fizikai Szemle, 2006/7, 229-233.

Hargittai, M.
Fifty Years of Parity Violation – and Its Long-Range Effects
Structural Chemistry, 2006 (No. 5), 17, 455-457.

M. Hargittai, I. Hargittai:
John von Neumann Stamps
Math. Intell. 2006, 28 (4), 80.

Hargittai, M.
Felhők Polóniusnak (Orosz István munkáiról)
Természet Világa, 2007 jan, pp. 17-20.

Hargittai, M.
F. Albert Cotton (1930-2007) – obituary
Struct. Chem. 2007, 18, 527-528.

Hargittai, M.
Gertrud Elion – Nők a (természettudományban)
Természet Világa, 2007 június, pp. 276-277.

B. Hargittai, M. Hargittai
The Use of Artistic Analogies in Chemical Research and Education
Leonardo, 2007, 40(4), 357-361.

Hargittai, M.
Jocelyn Bell-Burnell – Nők a (természettudományban)
Természet Világa, 2007 szeptember, 466-467.

Hargittai, M.
A kémikus hercegnő – Nők a (természettudományban)
Természet Világa, 2007 december, 565-566.

Hargittai, M.
Frank Wilczek: Fantastic Realities: 49 Mind Journeys and a Trip to Stockholm

Book review

Struct. Chem. 2007, 18, 733-735.

Hargittai, M.; Hargittai, I.

Lev D. Landau (1908–1968): In memoriam

Editorial

Struct. Chem. 2008, 19, 181-184.

Hargittai, M.

Kai Siegbahn (1918-2007) – obituary

Struct. Chem. 2008, 19, 363-364.

Hargittai, I., Hargittai, M.

Egy teljes innovációs lánc: Balázs Endre kutatóorvos és a hyaluronan sikertörténete

Magyar Tudomány, 2008/5, 586-592.

Hargittai, M.

Maghasadás, fekete lyukak – Emlékezés John Archibald Wheeler-re

Fizikai Szemle, 2008/4, 140-142.

Hargittai, M.; Hargittai, I.

Az elméleti fizika csúcsein – tragédiák között: Lev Davidovics Landau centenáriuma

Fizikai Szemle, 2008/5, 161-166.

Hargittai, M.

Reiko Kuroda – Nők a (természettudományban)

Természet Világa, 2008, Julius (139/7), 330-331.

Hargittai, M.

Miriam Rotschild – Nők a (természettudományban)

Természet Világa, 2009, Február (140/2), 88-89.

Hargittai, M.; Hargittai, I.

Nevek és hírnevek – Herzberg, Jahn, Renner, Teller és az elektron-rezgési kölcsönhatások

Fizikai Szemle, 2009, 59, 247-250.

Hargittai, M.

Ada Jonat Nobel-díja az élet kémiájáért

Magyar Tudomány, 2009/12, 1495-1498. (nem OTKAs)

8. Book Reviews

About 300, both in-depth and short ones, not listed