

**UNIVERZITA KOMENSKÉHO
FAKULTA MATEMATIKY, FYZIKY A INFORMATIKY**

Zoznam publikačnej činnosti

Doc. Ing. Pavel Mach, CSc.

ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách

ABC01 Hubač, Ivan 20% - Mášik, Jozef 20% - Mach, Pavel 20% - Urban, Ján 20% - Babinec, Peter 20%:

Multireference Brillouin-Wigner coupled-cluster theory

Lit. 70 záz. n.

In: Computational Chemistry: Reviews of Current Trends, Vol. 3. - Singapore : World Scientific Publishing, 1999. - S. 1-48. - ISBN 981-02-3752-9

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ABC02 Wilson, Stephen 20% - Hubač, Ivan 20% - Mach, Pavel 20% - Pittner, Jiří 20% - Čársky, Petr 20%:
Brillouin-Wigner expansions in quantum chemistry: Bloch-like and Lippmann-Schwinger-like equations
Lit. 148 zázň., 4 obr., 6 tab.
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In: Journal of Molecular Structure-Theochem. - Vol. 87, No. 3 (1982), s. 255-260
- ADC02 Mach, Pavel - Kysel, Ondrej : Comparison between 6-31 + bond functions and 6-31G* basis sets in UMP calculations of dissociation energies of the first row element compounds I
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Lit. 5 zázň., 1 obr., 1 tab.

In: 53. zjazd chemických spoločností: Zborník príspevkov 2, Sekcia A, B, C, D. - Banská Bystrica : Univerzita Mateja Bela, 2011. - S. 296-297. - ISBN 80-89029-23-X

[Zjazd chemických spoločností. 53., Banská Bystrica, 3.-6.9.2001]

AFD04 Mach, Pavel - Staemmler, Volker - Urban, Ján : Resonance energy in chlormethane. Quasi-diatomic potential curve study

Lit. 2 zázň.

In: 15th Symposium on Applications of Plasma Processes and 3rd EU-Japan Joint Symposium on Plasma Processing. - Bratislava : Comenius University Press, 2005. - S. 207. - ISBN 80-223-2018-8

[SAPP 2005 : Symposium on Applications of Plasma Processes. 15th, Podbanské, 15.-20.1.2005]

[EU-Japan JSPP 2005 : EU-Japan Joint Symposium on Plasma Processing. 3rd, Podbanské, 15.-20.1.2005]

AFD05 Kubala, Dušan 20% - Papp, Peter 16% - Kočišek, Jaroslav 16 % - Mach, Pavel 16% - Urban, Ján 16 % - Matejčík, Štefan 16%: The study of ionization and fragmentation of pinene isomers

Lit. 5 zázň.

In: The 3rd Seminar on New Trends in Plasma Physics and Solid State Physics. - Bratislava : Knižničné a edičné centrum FMFI UK, 2007. - S. 71-73. - ISBN 978-80-89186-24-2

[Seminar on New Trends in Plasma Physics and Solid State Physics 2007. 3rd, Bratislava, 4.10.2007]

AFD06 Mach, Pavel 40 % - Urban, Ján 30 % - Probst, Michael 30 %: Tungsten-hydrogen complexes, theoretical study

Lit. 86 zázň.

In: The 3rd Seminar on New Trends in Plasma Physics and Solid State Physics. - Bratislava : Knižničné a edičné centrum FMFI UK, 2007. - S. 86-89. - ISBN 978-80-89186-24-2

[Seminar on New Trends in Plasma Physics and Solid State Physics 2007. 3rd, Bratislava, 4.10.2007]

AFD07 Matejčík, Štefan 20 % - Meško, M. - Papp, Peter 16 % - Mach, Pavel 16 % - Urban, Ján 16 % - Stano, Michal 16 % - Skalný, Ján D. 16 %: Electron induced processes in aminoacids and IMS spectrometry of corona discharge

In: The 3rd Seminar on New Trends in Plasma Physics and Solid State Physics. - Bratislava : Knižničné a edičné centrum FMFI UK, 2007. - S. 192-215. - ISBN 978-80-89186-24-2

[Seminar on New Trends in Plasma Physics and Solid State Physics 2007. 3rd, Bratislava, 4.10.2007]

AFD08 Papp, Peter 20% - Kočišek, Jaroslav 20% - Mach, Pavel 20% - Urban, Ján 20% - Matejčík, Štefan 20%:
Experimental and theoretical study of the dissociative electron attachment to gas-phase serine
Lit. 8 záz. n.
In: The 3rd Seminar on New Trends in Plasma Physics and Solid State Physics. - Bratislava : Knižničné a
edičné centrum FMFI UK, 2007. - S. 106-109. - ISBN 978-80-89186-24-2
[Seminar on New Trends in Plasma Physics and Solid State Physics 2007. 3rd, Bratislava, 4.10.2007]

AFD09 Mach, Pavel 25% - Krajčí, Miroslav 25% - Matúška, Ján 25% - Urban, Ján 25%: Theoretical study of
interactions of NO₃⁻ with neutral molecules
Lit. 4 záz. n., 1 obr., 1 tab.
In: HAKONE XII. - Bratislava : FMFI UK, 2010. - S. 221-222. - ISBN 978-80-89186-72-3
[HAKONE 2010 : International Symposium on High Pressure Low Temperature Plasma Chemistry. 12th,
Trenčianske Teplice, 12.-17.9.2010]
Ohlasy (1):
[o1] 2013 Sabo, M. - Okuyama, Y. - Kucera, M. - Matejčík, S.: Transport and stability of negative ions
generated by negative corona discharge in air studied using ion mobility-TOF spectrometry. In: International
Journal of Mass Spectrometry, Vol. 334, 2013, s. 19-26 - SCI ; SCOPUS

AFG Abstrakty príspevkov zo zahraničných konferencií

AFG01 Urban, Ján - Mach, Pavel - Hubač, Ivan : Using of nonadiabatic vibrational-electronic Hamiltonian in
quantum-chemical calculations
In: Elektronenstrukturmethoden für grosse Systeme : 31. Symposium für Theoretische Chemie. - Hannover :
Universität, 1995. - S. A48
[Theoretische Chemie 1995 : Symposium. 31., Loccum, 10.-13.10.1995]

AFG02 Mášik, Jozef - Hubač, Ivan - Mach, Pavel : Multireference Brillouin-Wigner coupled-cluster theory
In: 33. Symposium für Theoretische Chemie. - Köln : Institut für Physikalische Chemie der Universität, 1997. -
[nestr.]
[Theoretische Chemie 1997 : Symposium. 33., Bornheim-Walberberg, 21.-25.9.1997]

AFG03 Urban, Ján - Mach, Pavel - Mášik, Jozef - Staemmler, Volker : Ground and excited states of Ne³⁺ molecule
In: 33. Symposium für Theoretische Chemie. - Köln : Institut für Physikalische Chemie der Universität, 1997. -
[nestr.]
[Theoretische Chemie 1997 : Symposium. 33., Bornheim-Walberberg, 21.-25.9.1997]

AFG04 Chorvát, Dušan, ml. - Mateašik, Anton - Urban, Ján - Mach, Pavel : Interaction of merocyanine 540 with
biological membranes
In: 8th International Laser Physics Workshop : Book of Abstracts. - Budapest : Hungarian Academy of
Sciences, 1999. - S. 156-157
[LPHYS 1999 : International Laser Physics Workshop. 8th, Budapest, 2.-6.7.1999]

AFG05 Urban, Ján - Mach, Pavel - Mášik, Jozef - Staemmler, Volker : Ground and excited states of the Ne⁴⁺
molecule
In: 35. Symposium für Theoretische Chemie. - Freiberg : TU Bergakademie, 1999. - S. P75
[Theoretische Chemie 1999 : Symposium. 35., Freiberg, 12.-16.9.1999]

AFG06 Urban, Ján - Mach, Pavel - Staemmler, Volker : Ground and excited states of small ionic neon clusters
In: 8th Conference on Current Trends in Computational Chemistry. - Vickburg : Jackson State University,
1999. - S. 138
[Current Trends in Computational Chemistry 1999 : Annual Conference. 8th, Vickburg, 5.-6.11.1999]

AFG07 Urban, Ján - Mach, Pavel - Horný, Ľuboš - Hubač, Ivan - Staemmler, Volker : Ground and excited states of
small ionic neon clusters

- In: Central European Chemical Meeting. - Zagreb : Croatian Society of Chemical Engineers, 2001. - S. 49. - ISBN 953-6894-04-1
[Central European Chemical Meeting. Varaždin, 14.-17.6.2000]
- AFG08 Urban, Ján - Mach, Pavel - Probst, Michael - Leszczynski, Jerzy : Theoretical study of ionized argon clusters
Lit. 4 záz. n.
In: 11th Conference on Current Trends in Computational Chemistry 2002. - Jackson : Jackson State University, 2002. - S. 163
[CCTCC 2002 : Conference on Current Trends in Computational Chemistry. 11th, Jackson, 1.-2.11.2002]
- AFG09 Matejčík, Štefan - Vašková, Eva - Mach, Pavel - Urban, Ján : Ionization energy of ethane. Experiment and theory
In: Program and Abstracts of the EMS-03. - Prague : Charles University, 2003. - S. 209
[EMS : Electron-Molecule Collisions and Swarms : International Symposium : A Satellite of the 23rd ICPEAC. Průhonice, 30.7.-2.8.2003]
- AFG10 Štefánková, Eva - Urban, Ján - Mach, Pavel - Hianik, Tibor : Interaction of Model .ALPHA.-helical peptides with lipid bilayers
In: Conference on Current Trends in Computational Chemistry. - Jackson : Jackson State University, 2003. - S. 173
[CCTCC 2003 : Conference on Current Trends in Computational Chemistry. 12th, Jackson, 31.10.-1.11.2003]
- AFG11 Langer, Vratislav - Mach, Pavel - Gyepesová, Dalma - Kohútová, Mária - Valent, Aladár : Novel type of Cu(II) complex containing Schiff base
Lit. 4 záz. n.
In: 22nd European Crystallographic Meeting : Abstracts. - Budapest : Hungarian Chemical Society, 2004. - S. 221. - ISBN 963-9319-40-6
[ECM 2004 : European Crystallographic Meeting. 22nd, Budapest, 26.-31.8.2004]
- AFG12 Mach, Pavel - Staemmler, Volker - Urban, Ján : Dissociative electron attachment to halogenated hydrocarbons
Lit. 2 záz. n.
In: 40th Symposium for Theoretical Chemistry. - Marburg : Universität Marburg, 2004. - S. P79
[Theoretical Chemistry 2004 : Symposium. 40th, Marburg, 19.-23.9.2004]
- AFG13 Urban, Ján - Mach, Pavel - Probst, Michael : Electron impact ionization of hydrocarbons and amino acids - A theoretical study
In: Conference on Current Trends in Computational Chemistry 2005. - Jackson : Jackson State University, 2005. - S. 174
[CCTCC 2005 : Conference on Current Trends in Computational Chemistry. 14th, Jackson, 4.-5.11.2005]
- AFG14 Gyepesová, Dalma - Mach, Pavel - Scholtzová, Eva - Boháč, Andrej - Gášpár, Boris - Langer, Vratislav - Sališová, Marta : Structure of anti-2-hydroxy-2-methyl-1-tetralone oxime
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- AFG15 Mach, Pavel - Staemmler, Volker - Urban, Ján : Resonance energy in methyl chloride
Lit. 17 záz. n.
In: 15th Symposium on Atomic and Surface Physics and Related Topics. - Innsbruck : Leopold-Franz-Universität, 2006. - S. 146-147. - ISBN 3-901249-82-6. - (Conference Series)
[SASP 2006 : Symposium on Atomic and Surface Physics and Related Topics. 15th, Obergurgl, 4.-9.2.2006]
- AFG16 Mach, Pavel - Noga, Jozef - Urban, Ján : Be-H bond, performance test of various theoretical methods
In: Quantum Chemistry-Methods and Applications : 42nd Symposium on Theoretical Chemistry. - Berlin :

- Humboldt Universität, 2006. - S. P104
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- AFG17 Matejčík, Štefan - Mach, Pavel - Urban, Ján : Ionization reactions of selected amino acids
In: 15th Symposium on Atomic and Surface Physics and Related Topics. - Innsbruck : Leopold-Franz-Universität, 2006. - S. 148. - ISBN 3-901249-82-6. - (Conference Series)
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- AFG18 Pálszegi, Tibor - Mach, Pavel - Urban, Ján - Szöcs, Vojtech - Bdžoch, Juraj - Žitňan, Michal - Bugár, Ignác - Janek, Marián - Chorvát, Dušan, ml. - Velič, Dušan : Theoretical modelling of the ultrafast fluorescence dynamics of coumarine and Li⁺ intercalated hydrated montmorillonite clay
Lit. 5 zázň.
In: Central European Conference on Photochemistry. - Graz : Technical University, 2006. - S. 56
[CECP 2006 : Central European Conference on Photochemistry. Bad Hofgastein, 5.-9.3.2006]
- AFG19 Sládkovičová, Mariana - Mach, Pavel - Smrčok, Lubomír - Briggs-Piccoli, Paula Marie - Kolesnikov, Alexander : Neutron diffraction, INS and DFT study of hydrogen-bonding in TRIS
In: Materials Structure. - Vol. 13, No. 3 (2006), s. 135
[Czech and Slovak Crystallographic Colloquium. Grenoble, 22.-24.6.2006]
- AFG20 Urban, Ján - Staemmler, Volker - Mach, Pavel - Papp, Peter : Theoretical treatment of dissociative electron attachment
Lit. 2 zázň.
In: Central European Symposium on Theoretical Chemistry 2006. - Warsaw : University of Warsaw, 2006. - [nestr.]
[CESTC 2006 : Central European Symposium on Theoretical Chemistry. 5th, Zakopane, 24.-27.9.2006]
- AFG21 Holúbeková, Alžbeta - Mach, Pavel - Urban, Ján : Theoretical study of coumarine .BETA.-cyclodextrin inclusion complexes
In: 7th Southern School on Computational Chemistry and Materials Science. - Jackson : Jackson State University, 2007. - S. 47
[Computational Chemistry and Materials Science : Southern School. 7th, Jackson, 6.-7.4.2007]
- AFG22 Papp, Peter 25% - Urban, Ján 25% - Mach, Pavel 25% - Matejčík, Štefan 25%: Theoretical calculations of parameters characterizing electron impact with biomolecules
Lit. 4 zázň.
In: Radiation Damage in Biomolecules Conference. - Dublin : The Royal College of Surgeons, 2007. - [nestr.]
[RADAM 2007 : Radiation Damage in Biomolecules Conference. Dublin, 19.-22.6.2007]
- AFG23 Papp, Peter 25 % - Urban, Ján 25 % - Mach, Pavel 25 % - Matejčík, Štefan 25 %: Theoretical treatment of temporary negative ions
Lit. 3 zázň.
In: Central European Symposium on Theoretical Chemistry : CESTC 2007. - Graz : Graz University of Technology, 2007. - S. P34
[CESTC 2007 : Central European Symposium on Theoretical Chemistry. 6th, Litschau, 23.-26.9.2007]
- AFG24 Urban, Ján - Staemmler, Volker - Mach, Pavel - Papp, Peter : Dissociative electron attachment-theoretical treatment
In: 7th Southern School on Computational Chemistry and Materials Science. - Jackson : Jackson State University, 2007. - S. 148
[Computational Chemistry and Materials Science : Southern School. 7th, Jackson, 6.-7.4.2007]
- AFG25 Urban, Ján - Mach, Pavel - Papp, Peter - Staemmler, Volker : Temporary negative ions-application of theory to biological molecules
Lit. 2 zázň.
In: Methods and Applications of Computational Chemistry : Book of Abstracts. - Kharkiv : SSI ISC, 2007. - S.

- AFG26 Papp, Peter 20 % - Matejčík, Štefan 20 % - Mach, Pavel 20 % - Urban, Ján 20 % - Shchukin, Pavel :
Dissociative electron attachment to gas-phase leucine and isoleucine. Theoretical study of fragmentation reactions
Lit. 6 záz. n.
In: 16th Symposium on Atomic and Surface Physics and Related Topics. - Innsbruck : Innsbruck University Press, 2008. - S. 200-201. - ISBN 978-3-902571-31-1. - (Conference Series)
[SASP 2008 : Symposium on Atomic and Surface Physics and Related Topics. 16th, Les Diablerets, 20.-25.1.2008]
- AFG27 Papp, Peter 17% - Kočišek, Jaroslav 17% - Matejčík, Štefan 17% - Mach, Pavel 17% - Urban, Ján 17% - Vasilev, Yury V. :
Dissociative electron attachment to gas-phase serine. Theoretical study of fragmentation reactions
Lit. 8 záz. n.
In: 16th Symposium on Atomic and Surface Physics and Related Topics. - Innsbruck : Innsbruck University Press, 2008. - S. 198-199. - ISBN 978-3-902571-31-1. - (Conference Series)
[SASP 2008 : Symposium on Atomic and Surface Physics and Related Topics. 16th, Les Diablerets, 20.-25.1.2008]
- AFG28 Papp, Peter 20% - Kočišek, Jaroslav 10% - Kubala, Dušan 10% - Mach, Pavel 10% - Urban, Ján 10% - Milosavljević, Alexandar R - Marinković, B. P. - Matejčík, Štefan 10%:
Quantum-chemical calculations of the products and energies of fragmentation reactions
Lit. 4 záz. n.
In: National Conference on Electronic, Atomic, Molecular and Photonic Physics : CEAMPP 2008 : Contributed Papers & Abstracts of Invited Lectures and Progress Reports. - Pregrevice : Institute of Physics, 2008. - S. 14. - ISBN 978-86-82441-22-9
[CEAMPP 2008 : National Conference on Electronic, Atomic, Molecular and Photonic Physics. 1st, Zaječar, 15.-18.5.2008]
- AFG29 Mach, Pavel 12,5 % - Urban, Ján 12,5% - Papp, Peter 12,5% - Kočišek, Jaroslav 12,5% - Kubala, Dušan 12,5% - Marinković, B. P. - Matejčík, Štefan 12,5%:
Interaction of DNA model compounds with low energy electrons
In: Modeling Interactions in Biomolecules IV. - Praha : MATFYZPRESS, 2009. - S. 57. - ISBN 978-80-7378-098-098
[MIB 2009 : Modeling Interactions in Biomolecules. 4., Hrubá Skála, 14.-19.9.2009]
- AFG30 Papp, Peter 15% - Milosavljević, Alexandar R. - Kočišek, Jaroslav 15% - Kubala, Dušan 15% - Mach, Pavel 10% - Urban, Ján 10% - Marinković, B. P. - Matejčík, Štefan 10%:
Studies of low energy electron interaction with furanose-structured alcohols
In: ECCL : Electron Controlled Chemical Lithography 2009 : Abstract Booklet. - [Istanbul] : [Sabanci University], 2009. - S. 90
[ECCL 2009 : Electron Controlled Chemical Lithography : Meeting. Istanbul, 4.-9.6.2009]
- AFG31 Papp, Peter 20% - Kočišek, Jaroslav 20% - Mach, Pavel 20% - Urban, Ján 20% - Matejčík, Štefan 20%:
Electron impact ionization studies to gas phase amino acids
Lit. 2 záz. n.
In: 10th European Conference on Atoms, Molecules and Photons. - Madrid : Spanish Royal Society of Physics, 2010. - S. P-062
[ECAMP 2010 : European Conference on Atoms, Molecules and Photons. 10th, Salamanca, 4.-9.7.2010]
- AFG32 Budzák, Šimon 25% - Kysel', Ondrej 25% - Mach, Pavel 25% - Medved', Miroslav 25%:
Charge transfer excitations in methyl substituted benzene-tetracyanoethylene complexes
Príspevok prednesený na dvoch konferenciách

In: JCS Symposium on Theoretical Chemistry 2011 : Conference book. - Praha : ÚOCHB AV ČR, 2011. - nestr. [1 s.]

[JCS Symposium on Theoretical Chemistry 2011. Liblice, 18.-20.5.2011]

[CESTC 2011 : Central European Symposium on Theoretical Chemistry. 10th, Toruń, 25.-28.9.2011]

POZNÁMKA: Vyšlo aj - 2011 CESTC. - Toruń : Nicolaus Copernicus University, 2011. - S. 60. -

AFG33 Papp, Peter 20% - Stano, Michal 20% - Engmann, Sarah 10% - Mach, Pavel 20% - Ingólfsson, Oddur 10% - Matejčík, Štefan 20%: Combined experimental and theoretical study of electron impact ionization of CO(CO)₃NO molecule

Lit. 4 zázň., 1 obr.

In: CEPAS 2011 & CEAMPP 2011. - Belgrade : Institute of Physics, 2011. - S. 71. - ISBN 978-86-82441-32-8

[CEPAS 2011 : Conference on Elementary Processes in Atomic Systems. 5th, Belgrade, 21.-25.6.2011]

AFG34 Papp, Peter 20% - Urban, Ján 20% - Mach, Pavel 20% - Horáček, J. 20% - Matejčík, Štefan 20%: Resonance energies of simple biomolecules

Lit. 4 zázň.

In: 1st Nano-IBCT Conference 2011. - Frankfurt : FIAS, 2011. - S. 95

[Nano-IBCT Conference 2011. 1st, Caen, 2.-6.10.2011]

AFG35 Holúbeková, Alžbeta 34% - Mach, Pavel 33% - Urban, Ján 33%: Host-guest complexes; beta-cyclodextrin-coumarin spectral properties

1 obr.

In: 2nd Visegrad Symposium on Structural Systems Biology. - Szeged : University of Szeged, 2012. - 1 s.

[Structural Systems Biology 2012 : Visegrad Symposium. 2nd, Gyöngyöstarján, 13.-15.6.2012]

AFH Abstrakty príspevkov z domácich konferencií

AFH01 Mach, Pavel - Urban, Ján - Prasad, Rajandra - Staemmler, Volker : Quasi-diatomic potential curve for the dissociative electron attachment of CH₃Cl, including the resonance regime of the temporary anion CH₃Cl

In: Negative Ions : Experiment and Theory. - [Bratislava] : [Univerzita Komenského], 2005. - S. 20

[LEEMI 2005 : Low Energy Electron-Molecule Interactions : Negative Ions : Experiment and Theory. 4th, Smolenice, 6.-9.10.2005]

AFH02 Pálszegi, Tibor - Szöcs, Vojtech - Mach, Pavel - Urban, Ján - Bdžoch, Juraj - Žitňan, Michal - Bugár, Ignác - Janek, Marián - Chorvát, Dušan, ml. - Velič, Dušan : Simultaneous intramolecular and solvent related ultrashort time fluorescencespectral evolution analysis of C522 in reduced charge montmorillonite

Lit. 5 zázň.

In: ECONOS 2006 : Book of Abstracts. - Bratislava : International Laser Centre, 2006. - S. 55

[ECONOS 2006 : European Conference on Nonlinear Optical Spectroscopy. Smolenice, 9.-11.4.2006]

AFH03 Kysel', Ondrej 20% - Juhász, György 20% - Mach, Pavel 20% - Budzák, Šimon 20% - Medved', Miroslav 20%: MP2 a DFT-D štúdiu .PI.-EDA komplexov a experiment

In: 3. Nitrianska konferencia z kvantovej chémie [elektronický zdroj]. - Nitra : Univerzita Konštantína

Filozofa, 2007. - 1 s. [CD-ROM]. - ISBN 978-80-8094-112-3

[Nitrianska konferencia z kvantovej chémie. 3., Nitra, 2.4.2007]

AFH04 Mach, Pavel - Urban, Ján - Noga, Jozef : Teoretické štúdiu najjednoduchších hydridov berýlia - BeH, BeH₂ : (test výkonnosti jednotlivých teoretických metód)

Lit. 9 zázň.

In: 3. Nitrianska konferencia z kvantovej chémie [elektronický zdroj]. - Nitra : Univerzita Konštantína

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AFH05 Májeková, M. - Mach, Pavel 16,5 % - Štefek, M. - Jusková, M. - Šnirc, V. - Májek, P. : Modelovanie antioxidačných vlastností karboxymetylovaných pyridoindolov - látok vyvíjaných na prevenciu chronických komplikácií diabetu

Lit. 1 zázň.

In: Farmakológia 2009. - Bratislava : Univerzita Komenského Bratislava, 2009. - S. 101. - ISBN 978-80-223-2708-4

[Farmakologické dni. 59., Bratislava, 2.-4.9.2009]

AFK Postery zo zahraničných konferencií

AFK01 Gyepesová, Dalma - Mach, Pavel - Scholtzová, Eva - Gášpár, Boris - Langer, Vratislav - Sališová, Marta - Boháč, Andrej : Anti-2-hydroxy-2-methyl-1-tetralón oxím

Lit. 1 zázň.

In: Chemické listy. - Roč. 100, č. 8 (2006), s. 663

[Sjezd Asociací českých a slovenských chemických spoločností. 58., Ústí nad Labem, 4.-7.9.2006]

AFK02 Kyseľ, Ondrej 25% - Budzák, Šimon 25% - Mach, Pavel 25% - Medved', Miroslav 25%: Theoretical study of the methyl substituted benzene-TCNE complexes: vibrational and UV-VIS spectra

Lit. 9 zázň.

In: Central European Symposium on Theoretical Chemistry 2008. - Praha : AS CR, 2008. - Art. No. Pl-13

[CESTC 2008 : Central European Symposium on Theoretical Chemistry. 7th, Hejnice, 28.9.-1.10.2008]

AFK03 Juhász, György 34% - Kyseľ, Ondrej 33% - Mach, Pavel 33%: Study of CT interaction between 2-aminopyridine and TCNE : CT interaction between biological active 2-amino-pyridine and TCNE - computational study

Lit. 4 zázň., 1 obr., 1 tab.

In: 4th European Conference on Chemistry for Life Sciences. - Budapest : Hungarian Chemical Society, 2011. - S. 160. - ISBN 978-963-9970-14-4

[ECCLS 2011 : European Conference on Chemistry for Life Sciences. 4th, Budapest, 31.8.-3.9.2011]

AFK04 Juhász, György 34% - Kyseľ, Ondrej 33% - Mach, Pavel 33%: Theoretical study of energetic and spectral properties of EDA complexes of TCNE with aminopyridines

Lit. 3 zázň., 1 tab.

In: Modeling Interactions in Biomolecules V. - Praha : MATFYZPRESS, 2011. - S. 38. - ISBN 978-80-7378-180-4

[MIB 2011 : Modeling Interactions in Biomolecules. 5., Kutná Hora, 4.-9.9.2011]

AFL Postery z domácich konferencií

AFL01 Injan, Natcha - Probst, Michael - Denifl, Stephan - Zappa, Fabio - Limtraku, Jumras - Märk, Tilman D. - Scheier, Paul - Urban, Ján - Mach, Pavel : Quantum chemistry of dissociative electron attachment to adenine

Lit. 1 zázň.

In: SAPP : 16th Symposium on Application of Plasma Processes. - Bratislava : FMFI UK, 2007. - S. 177-178. - ISBN 978-80-89186-13-6

[SAPP 2007 : Symposium on Applications of Plasma Processes. 16th, Podbanské, 20.-21.1.2007]

[Research of Plasma Physics and Applications in Visegrad Countries 2007 : Workshop. Podbanské, 22.-25.1.2007]

AFL02 Mach, Pavel - Urban, Ján - Probst, Michael - Horný, Ľuboš : Structure and relative stability of beryllium hydrides Be(n)H(m) (n=2-6, m=1-7)

Lit. 8 zázň.

In: SAPP : 16th Symposium on Application of Plasma Processes. - Bratislava : FMFI UK, 2007. - S. 221. - ISBN 978-80-89186-13-6

[SAPP 2007 : Symposium on Applications of Plasma Processes. 16th, Podbanské, 20.-21.1.2007]

[Research of Plasma Physics and Applications in Visegrad Countries 2007 : Workshop. Podbanské, 22.-25.1.2007]

AFL03 Mach, Pavel - Urban, Ján - Noga, Jozef : Theoretical study of beryllium hydrides BeH, BeH₂ : (Performance test of various theoretical methods)

- Lit. 8 záz. n.
 In: SAPP : 16th Symposium on Application of Plasma Processes. - Bratislava : FMFI UK, 2007. - S. 223-224.
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 [SAPP 2007 : Symposium on Applications of Plasma Processes. 16th, Podbanské, 20.-21.1.2007]
 [Research of Plasma Physics and Applications in Visegrad Countries 2007 : Workshop. Podbanské, 22.-25.1.2007]
- AFL04 Papp, Peter - Urban, Ján - Mach, Pavel - Matejčík, Štefan : Dissociative electron attachment to glycine, alanine and valine amino acids-Theoretical study
 Lit. 4 záz. n., 2 obr.
 In: SAPP : 16th Symposium on Application of Plasma Processes. - Bratislava : FMFI UK, 2007. - S. 243-244.
 - ISBN 978-80-89186-13-6
 [SAPP 2007 : Symposium on Applications of Plasma Processes. 16th, Podbanské, 20.-21.1.2007]
 [Research of Plasma Physics and Applications in Visegrad Countries 2007 : Workshop. Podbanské, 22.-25.1.2007]
- AFL05 Mach, Pavel 30% - Probst, Michael - Horný, L. - Urban, Ján 20% - Matúška, Ján 20%: Beryllium hydrides-calculation of ionization potentials, electron impact ionization cross sections
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