

HORIZON
2020

Achievement of Excellence in Electron Processes for Future Technologies

Risultati

Informazioni relative al progetto

ELEvaTE

ID dell'accordo di sovvenzione: 692335

[Sito web del progetto](#)

DOI

[10.3030/692335](https://doi.org/10.3030/692335)

Progetto chiuso

Data della firma CE

2 Dicembre 2015

Data di avvio

1 Gennaio 2016

Data di completamento

31 Marzo 2019

Finanziato da

Twinning of research institutions

Costo totale

€ 989 625,00

Contributo UE

€ 988 125,00

Coordinato da

UNIVERZITA KOMENSKEHO V
BRATISLAVE



Slovakia

Questo progetto è apparso in...

**Ridurre il divario in R&I
tra i paesi mediante la
condivisione di
conoscenze e
competenze all'interno
dell'Europa in Orizzonte
2020**

23 Aprile 2019



CORDIS fornisce collegamenti ai risultati finali pubblici e alle pubblicazioni dei progetti ORIZZONTE.

I link ai risultati e alle pubblicazioni dei progetti del 7° PQ, così come i link ad alcuni tipi di risultati specifici come dataset e software, sono recuperati dinamicamente da [OpenAIRE](#)

Risultati finali

Documents, reports (52)

[Final report on evaluation of CU sustainability and business model](#)

Final report on CU sustainability and business model

[Progress report on preparing Strategic plan for Technology transfer from EPPL/FMPI CU](#)

Progress report on preparation process of the technology transfer plan for CU.

[Workshop within conference ESCAMPIG 2016](#)

ELEvaTE workshop within the 23rd Europhysics Conference on Atomic and Molecular Physics of Ionized Gases in Bratislava

[Organisation of 1st Training workshop with post workshop report](#)

Training workshop on achieving excellent science.

[Organisation of 3rd Training workshop with post workshop report](#)

Training workshop on achieving excellence in science.

[1st Annual report on evaluation of CU sustainability and business model](#)

1st report on CU sustainability and business model

[2nd Annual report on evaluation of CU sustainability and business model](#)

2nd report on CU sustainability and business model

[Report on 1st WP4 Workshop](#)

Report on ELEvaTE workshop

[1st Update of IPR Management Plan](#)

Updated IPR management plan according to the project progress

[Data Management Plan \(DMP\)](#)

Development of a DMP in according with open access policy whilst safeguarding IPR.

[Final report of Stage 1](#)

A final report will be provided at the end of the project. This report will conclude the work which has been done by the partners during the project and illustrate the results which have been achieved in line with the obligations described in the Grant Agreement.

[Organisation of Summer school with post workshop report](#)

Summer school on achieving excellence in science.

[2nd Update of IPR Management Plan](#)

Final update of the IPR management plan

[11th Quarterly Management and Progress Report](#)

Management and progress report for 11th quarter

[IPR Management Plan](#)

Creation and updated IPR plan for the project. The IPR plan will provide a framework for developing academic-industry partnerships whilst safeguarding patents and IP.

[Report on 2nd WP4 Workshop](#)

Report on ELEvaTE workshop

[4th Quarterly Management and Progress Report](#)

Management and progress report for 4th quarter.

[ELEvaTE print material](#)

Promoting project through graphical materials - printed materials based on design manual for display and distribution at conferences and corporation events

[2nd Quarterly Management and Progress Report](#)

Management and progress report for 2nd quarter.

[3rd Report on ELEvaTE generated publications](#)

Report regarding the publications that were generated within the third year of the ELEvaTE project.

[8th Quarterly Management and Progress Report](#) 

Management and progress report for 8th quarter

[1st Update of Data Management Plan \(DMP\)](#) 

Update of the DMP according to the progress of the ELEvaTE project

[Strategic plan for dissemination activities](#) 

- Strategic plan for dissemination and communication activities with communication and media plan - Design manual

[Roadmap and strategic plan for period 2019- 2025](#) 

Roadmap and strategic plan for CU for the period 2019- 2025.

[Project Management and Quality Plan](#) 

This deliverable will provide the definition of quality procedures for the management of the project, detail production of deliverables and preparation of reviews, through the publication of a Handbook describing the project management and quality assurance procedures.

[1st Quarterly Management and Progress Report](#) 

[2nd Update of Data Management Plan \(DMP\)](#) 

Final version of the DMP

[Strategic plan for establishment of research support structures](#) 

Strategic plan identifying synergies within research area of partners (with all other WPs) including review of administrative structures within EPPL and FMPI CU

[6th Quarterly Management and Progress Report](#) 

Management and progress report for 6th quarter

[2nd ELEvaTE workshop](#) 

Report on 2nd ELEvaTE workshop

[1st Report on ELEvaTE generated publications](#) 

Report regarding the publications that were generated within the first year of the ELEvaTE project.

[Mid-term report by independent external advisor](#) 

External advisor mid-term report

[3rd Quarterly Management and Progress Report](#)

Management and progress report for 3rd quarter.

[One page statement that the Task 1.3 \(WP1\) has been completed by month 2](#)

One page statement that the Task 1.3 (WP1) has been completed.

[3rd ELEvaTE workshop](#)

Report on 3rd ELEvaTE workshop

[Sustainability plan](#)

Research infrastructure and administration sustainability plan.

[12th Quarterly Management and Progress Report](#)

Management and progress report for 12th quarter

[Final ELEvaTE Roadmap 2019-2025 with WP5 to include publicity material](#)

Methodology for technology transfer process at EPPL and FMPI CU.

[2nd Report on ELEvaTE generated publications](#)

Report regarding the publications that were generated within the second year of the ELEvaTE project.

[9th Quarterly Management and Progress Report](#)

Management and progress report for 9th quarter

[10th Quarterly Management and Progress Report](#)

Management and progress report for 10th quarter

[5th Quarterly Management and Progress Report](#)

Management and progress report for 5th quarter.

[Workshop within conference SAPP 2017](#)

Workshop within the 21st Symposium on Application of Plasma Processes in Slovakia

[4th ELEvaTE workshop](#)

Report on 4th ELEvaTE workshop

[7th Quarterly Management and Progress Report](#)

Management and progress report for 7th quarter

[Final report by independent external advisor](#)

Final external advisor report on sustainability.

[Peer review publication database](#) 

To collate publications of the partners and ensure they are available for reference on an open platform (including Research Gate). To update and highlight publications arising from the ELEvaTE project.

[1st ELEvaTE workshop](#) 

Report on the 1st ELEvaTE workshop

[Organisation of 2nd Training workshop with post workshop report](#) 

Training workshop on achieving excellent science.

[Strategic plan for Technology transfer from EPPL/FMPI CU](#) 

Strategic plan for transfer of technology from EPPL/FMPI CU to industry.

[Initial report on preparing Strategic plan for Technology transfer from EPPL/FMPI CU](#) 

Report on preparation process of the technology transfer plan for CU.

[Final ELEvaTE report on WP4](#) 

Final ELEvaTE report on the topic of WP4

Other (3)

[Short term exchanges between partners complete with post visit reports summarised in Annual report for 1st year](#) 

Short term visits between partners in the 1st year.

[Short term exchanges between partners complete with post visit reports summarised in Annual report for 2nd year](#) 

Short term visits between partners in the 2nd year.

[Short term exchanges between partners complete with post visit reports summarised in Annual report for 3rd year](#) 

Short term visits between partners in the 3rd year.

Websites, patent fillings, videos etc. (5)

[ELEvaTE Instagram and Youtube material](#) 

Promoting project through Youtube and Instagram

[Web site](#) 

Creation of web site based on Design manual from Corporate Identity manual with regular updates and reported within the Annual project reports

[Summer school seminars on start-up companies](#)

Seminars on start-up companies. How do they work? The possibilities for commercialization of academic knowledge, preparation of a commercial business plan for evolution of a company.

[Social Media](#)

Establishment of ELEvaTE on Facebook, Twitter, LinkedIn, Research Gate with regular updates along the project and periodically reported within the Annual project reports

[Workshop on Intellectual Property Rights \(IPR\) policy and rules as part of ELEvaTe Workshop](#)

Workshop led by UIBK on IPR.

Pubblicazioni

Peer reviewed articles (40)

[Fragmentation of methylphenylsilane and trimethylphenylsilane: A combined theoretical and experimental study](#)

Autori: Amer A. Alsheikh, Jan Žídek, František Krčma, Peter Papp, Michal Lacko, Štefan Matejčík

Pubblicato in: International Journal of Mass Spectrometry, Numero 385, 2015, Pagina/e 1-12, ISSN 1387-3806

Editore: Elsevier BV

DOI: 10.1016/j.ijms.2015.05.004

[An experimental and theoretical study on structural parameters and energetics in ionization and dissociation of cobalt tricarbonyl nitrosyl](#)

Autori: Peter Papp, Sarah Engmann, Marek Kučera, Michal Stano, Štefan Matejčík, Oddur Ingólfsson

Pubblicato in: International Journal of Mass Spectrometry, Numero 356, 2013, Pagina/e 24-32, ISSN 1387-3806

Editore: Elsevier BV

DOI: 10.1016/j.ijms.2013.09.011

[Analytical continuation in coupling constant method; application to the calculation of resonance energies and widths for organic molecules: Glycine, alanine and valine and dimer of formic acid](#)

Autori: P. Papp, Š. Matejčík, P. Mach, J. Urban, I. Paidarová, J. Horáček
Pubblicato in: Chemical Physics, Numero 418, 2013, Pagina/e 8-13, ISSN 0301-0104
Editore: Elsevier BV
DOI: 10.1016/j.chemphys.2013.03.023

[Dissociative electron attachment study to halocarbon-derivatives of nitro-benzene](#)

Autori: Jolana Wnorowska, Jaroslav Kočišek, Štefan Matejčík
Pubblicato in: International Journal of Mass Spectrometry, Numero 365-366, 2014, Pagina/e 177-180, ISSN 1387-3806
Editore: Elsevier BV
DOI: 10.1016/j.ijms.2014.01.025

[Electron-induced ionization and dissociative ionization of iron pentacarbonyl molecules](#)

Autori: Michal Lacko, Peter Papp, Karol Wnorowski, Štefan Matejčík
Pubblicato in: The European Physical Journal D, Numero 69/3, 2015, ISSN 1434-6060
Editore: Springer Verlag
DOI: 10.1140/epjd/e2015-50721-8

[Acetone and the precursor ligand acetylacetone: distinctly different electron beam induced decomposition?](#)

Autori: Jonas Warneke, Willem F. Van Dorp, Petra Rudolf, Michal Stano, Peter Papp, Štefan Matejčík, Tobias Borrmann, Petra Swiderek
Pubblicato in: Phys. Chem. Chem. Phys., Numero 17/2, 2015, Pagina/e 1204-1216, ISSN 1463-9076
Editore: Royal Society of Chemistry
DOI: 10.1039/c4cp04239e

[Dissociative electron attachment to hexafluoroacetylacetone and its bidentate metal complexes M\(hfac\)₂; M = Cu, Pd](#)

Autori: Sarah Engmann, Benedikt Ómarsson, Michal Lacko, Michal Stano, Štefan Matejčík, Oddur Ingólfsson
Pubblicato in: The Journal of Chemical Physics, Numero 138/23, 2013, Pagina/e 234309, ISSN 0021-9606
Editore: American Institute of Physics
DOI: 10.1063/1.4810877

[Dissociative excitation study of iron pentacarbonyl molecule](#)

Autori: Anita Ribar, Marián Danko, Juraj Országh, Filipe Ferreira da Silva, Ivo Utke, Štefan Matejčík
Pubblicato in: The European Physical Journal D, Numero 69/4, 2015, ISSN 1434-6060

Editore: Springer Verlag

DOI: 10.1140/epjd/e2015-50755-x

[An experimental and theoretical study of electron impact ionization and dissociative electron attachment to trimethyl borate](#)

Autori: Peter Papp, Michal Lacko, Dušan Mészáros, Michal Stano, Pavel Mach, Štefan Matejčík

Pubblicato in: International Journal of Mass Spectrometry, Numero 365-366, 2014, Pagina/e 157-162, ISSN 1387-3806

Editore: Elsevier BV

DOI: 10.1016/j.ijms.2014.01.015

[Electron impact excitation of methane: determination of appearance energies for dissociation products](#)

Autori: M Danko, J Orszagh, M Ďurian, J Kočišek, M Daxner, S Zöttl, J B Maljković, J Fedor, P Scheier, S Denifl, Š Matejčík

Pubblicato in: Journal of Physics B: Atomic, Molecular and Optical Physics, Numero 46/4, 2013, Pagina/e 045203, ISSN 0953-4075

Editore: Institute of Physics Publishing

DOI: 10.1088/0953-4075/46/4/045203

[Absolute cross sections for dissociative electron attachment and dissociative ionization of cobalt tricarbonyl nitrosyl in the energy range from 0 eV to 140 eV](#)

Autori: Sarah Engmann, Michal Stano, Peter Papp, Michael J. Brunger, Štefan Matejčík, Oddur Ingólfsson

Pubblicato in: The Journal of Chemical Physics, Numero 138/4, 2013, Pagina/e 044305, ISSN 0021-9606

Editore: American Institute of Physics

DOI: 10.1063/1.4776756

[Electron interaction with copper\(II\) carboxylate compounds](#)

Autori: Michal Lacko, Peter Papp, Iwona B Szymańska, Edward Szlyk, Štefan Matejčík

Pubblicato in: Beilstein Journal of Nanotechnology, Numero 9, 2018, Pagina/e 384-398, ISSN 2190-4286

Editore: Beilstein-Institut Zur Forderung der Chemischen Wissenschaften

DOI: 10.3762/bjnano.9.38

[Isomeric Broadening of C 60 + Electronic Excitation in Helium Droplets: Experiments Meet Theory](#)

Autori: Alexander Kaiser, Johannes Postler, Milan Ončák, Martin Kuhn, Michael Renzler, Steffen Spieler, Malcolm Simpson, Michael Gatchell, Martin K. Beyer, Roland Wester, Francesco A. Gianturco, Paul Scheier, Florent Calvo, Ersin Yurtsever

Pubblicato in: The Journal of Physical Chemistry Letters, Numero 9/6, 2018,

Pagina/e 1237-1242, ISSN 1948-7185

Editore: American Chemical Society

DOI: 10.1021/acs.jpcclett.8b00150

[Rosetta Mission: Electron Scattering Cross Sections—Data Needs and Coverage in BEAMDB Database](#)

Autori: Bratislav Marinković, Jan Bredehöft, Veljko Vujčić, Darko Jevremović, Nigel Mason

Pubblicato in: Atoms, Numero 5/4, 2017, Pagina/e 46, ISSN 2218-2004

Editore: MDPI

DOI: 10.3390/atoms5040046

[Suppression of low-energy dissociative electron attachment in Fe\(CO\)₅ upon clustering](#)

Autori: Jozef Lengyel, Peter Papp, Štefan Matejčík, Jaroslav Kočišek, Michal Fárník, Juraj Fedor

Pubblicato in: Beilstein Journal of Nanotechnology, Numero 8, 2017, Pagina/e 2200-2207, ISSN 2190-4286

Editore: Beilstein-Institut Zur Forderung der Chemischen Wissenschaften

DOI: 10.3762/bjnano.8.219

[The structure of coronene cluster ions inferred from H₂ uptake in the gas phase](#)

Autori: Marcelo Goulart, Martin Kuhn, Bilal Rasul, Johannes Postler, Michael Gatchell, Henning Zettergren, Paul Scheier, Olof Echt

Pubblicato in: Phys. Chem. Chem. Phys., Numero 19/41, 2017, Pagina/e 27968-27973, ISSN 1463-9076

Editore: Royal Society of Chemistry

DOI: 10.1039/c7cp04999d

[Absolute excitation-emission cross section of electron induced argon excitation](#)

Autori: Juraj Országh, Michal Ďurian, Štefan Matejčík

Pubblicato in: Journal of Physics: Conference Series, Numero 875, 2017, Pagina/e 052023, ISSN 1742-6588

Editore: Institute of Physics

DOI: 10.1088/1742-6596/875/6/052023

[Dissociation dynamics of transient anion formed via electron attachment to sulfur dioxide](#)

Autori: K. Gope, V. S. Prabhudesai, N. J. Mason, E. Krishnakumar

Pubblicato in: The Journal of Chemical Physics, Numero 147/5, 2017, Pagina/e 054304, ISSN 0021-9606

Editore: American Institute of Physics

DOI: 10.1063/1.4994899

[Experimental characterisation of atmospheric pressure electron gun](#)

Autori: Matúš Sámel, Michal Stano, Miroslav Zahoran, Michal Ries, Štefan Matejčík

Pubblicato in: International Journal of Mass Spectrometry, Numero 439, 2019, Pagina/e 34-41, ISSN 1387-3806

Editore: Elsevier BV

DOI: 10.1016/j.ijms.2019.01.012

[Plasma inactivation of *Aspergillus flavus* on hazelnut surface in a diffuse barrier discharge using different working gases](#)

Autori: Silvia Mošovská, Veronika Medvecká, Mária Gregová, Juliána Tomeková, Ľubomír Valík, Anna Mikulajová, Anna Zahoranová

Pubblicato in: Food Control, Numero 104, 2019, Pagina/e 256-261, ISSN 0956-7135

Editore: Elsevier BV

DOI: 10.1016/j.foodcont.2019.05.003

[Electron induced fluorescence of the H₂ molecule—Balmer lines and Fulcher \$\alpha\$ system](#)

Autori: Marián Danko, Anita Ribar, Michal Ďurian, Juraj Országh, Štefan Matejčík

Pubblicato in: Plasma Sources Science and Technology, Numero 25/6, 2016, Pagina/e 065007, ISSN 1361-6595

Editore: Institute of Physics Publishing

DOI: 10.1088/0963-0252/25/6/065007

[The Influence of CO₂ Admixtures on the Product Composition in a Nitrogen-Methane Atmospheric Glow Discharge Used as a Prebiotic Atmosphere Mimic](#)

Autori: V. Mazankova, L. Torokova, F. Krcma, N. J. Mason, S. Matejcik

Pubblicato in: Origins of Life and Evolution of Biospheres, 2016, ISSN 0169-6149

Editore: Kluwer Academic Publishers

DOI: 10.1007/s11084-016-9504-3

[Laser desorption-ion mobility spectrometry as a useful tool for imaging of thin layer chromatography surface](#)

Autori: Vahideh Ilbeigi, Martin Sabo, Younes Valadbeigi, Stefan Matejcik, Mahmoud Tabrizchi

Pubblicato in: Journal of Chromatography A, Numero 1459, 2016, Pagina/e 145-151, ISSN 0021-9673

Editore: Elsevier B.V.

DOI: 10.1016/j.chroma.2016.06.069

[Evaluation of Epsilon-Net Calculated Equilibrium Reconstruction Error Bars in the European Integrated Modeling Platform](#)

Autori: R. Coelho, S. Matejčík, P. McCarthy, E. P. Suchov, F. S. Zaitsev

Pubblicato in: Fusion Science and Technology, Numero 69/3, 2016, ISSN 1536-1055

Editore: American Nuclear Society

DOI: 10.13182/FST15-177

[Correction to “Role of NH₃ in the Electron-Induced Reactions of Adsorbed and Solid Cisplatin”](#) 

Autori: Jonas Warneke, Markus Rohdenburg, Yucheng Zhang, Juraj Orszagh, Alfredo Vaz, Ivo Utke, Jeff Th. M. De Hosson, Willem F. van Dorp, Petra Swiderek

Pubblicato in: The Journal of Physical Chemistry C, Numero 120/21, 2016, Pagina/e 11762-11762, ISSN 1932-7447

Editore: American Chemical Society

DOI: 10.1021/acs.jpcc.6b04874

[Quantitative aspects of microchip isotachophoresis for high precision determination of main components in pharmaceuticals](#) 

Autori: Jasna Hradski, Mária Drusková Chorváthová, Róbert Bodor, Martin Sabo, Štefan Matejčík, Marián Masár

Pubblicato in: Analytical and Bioanalytical Chemistry, Numero 408/30, 2016, Pagina/e 8669-8679, ISSN 1618-2642

Editore: Springer Verlag

DOI: 10.1007/s00216-016-9815-2

[Dissociative Excitation of Acetylene Induced by Electron Impact: Excitation-emission Cross-sections](#) 

Autori: Juraj Orszagh, Marián Danko, Peter Čechvala, Štefan Matejčík

Pubblicato in: The Astrophysical Journal, Numero 841/1, 2017, Pagina/e 17, ISSN 1538-4357

Editore: Institute of Physics

DOI: 10.3847/1538-4357/aa6e54

[Fragmentation of methylphenylsilane and trimethylphenylsilane: A combined theoretical and experimental study](#) 

Autori: Amer A. Alsheikh, Jan Žídek, František Krčma, Peter Papp, Michal Lacko, Štefan Matejčík

Pubblicato in: International Journal of Mass Spectrometry, Numero 13873806, 2015, Pagina/e 1-12, ISSN 1387-3806

Editore: Elsevier BV

DOI: 10.1016/j.ijms.2015.05.004

[Electron-induced ionization and dissociative ionization of iron pentacarbonyl molecules](#) 

Autori: Michal Lacko, Peter Papp, Karol Wnorowski, Štefan Matejčík

Pubblicato in: The European Physical Journal D, Numero 14346060, 2015,

ISSN 1434-6060

Editore: Springer Verlag

DOI: 10.1140/epjd/e2015-50721-8

[Acetone and the precursor ligand acetylacetone: distinctly different electron beam induced decomposition? !\[\]\(ad6ab0b77b86612fcbfecc8e2418b31e_img.jpg\)](#)

Autori: Jonas Warneke, Willem F. Van Dorp, Petra Rudolf, Michal Stano, Peter Papp, Štefan Matejčík, Tobias Borrmann, Petra Swiderek

Pubblicato in: Phys. Chem. Chem. Phys., Numero 14639076, 2015, Pagina/e 1204-1216, ISSN 1463-9076

Editore: Royal Society of Chemistry

DOI: 10.1039/c4cp04239e

[An experimental and theoretical study of electron impact ionization and dissociative electron attachment to trimethyl borate !\[\]\(99af31d6d7b9b738106c66bf7ffde536_img.jpg\)](#)

Autori: Peter Papp, Michal Lacko, Dušan Mészáros, Michal Stano, Pavel Mach, Štefan Matejčík

Pubblicato in: International Journal of Mass Spectrometry, Numero 13873806, 2014, Pagina/e 157-162, ISSN 1387-3806

Editore: Elsevier BV

DOI: 10.1016/j.ijms.2014.01.015

[Dissociative electron attachment study to halocarbon-derivatives of nitro-benzene !\[\]\(07549ea8c24e6a9587f5e27f215997c7_img.jpg\)](#)

Autori: Jolana Wnorowska, Jaroslav Kočíšek, Štefan Matejčík

Pubblicato in: International Journal of Mass Spectrometry, Numero 13873806, 2014, Pagina/e 177-180, ISSN 1387-3806

Editore: Elsevier BV

DOI: 10.1016/j.ijms.2014.01.025

[Electron attachment to oxygen in nitrogen buffer gas at atmospheric pressure !\[\]\(7a46e95487f33e1626db2421f41f660d_img.jpg\)](#)

Autori: Marek Kučera, Michal Stano, Jolanta Wnorowska, Wiesława Barszczewska, Detlef Loffhagen, Štefan Matejčík

Pubblicato in: The European Physical Journal D, Numero 14346060, 2013, ISSN 1434-6060

Editore: Springer Verlag

DOI: 10.1140/epjd/e2013-40401-2

[An experimental and theoretical study on structural parameters and energetics in ionization and dissociation of cobalt tricarbonyl nitrosyl !\[\]\(4d39aa7e4807a81bbe6ea868343b879b_img.jpg\)](#)

Autori: Peter Papp, Sarah Engmann, Marek Kučera, Michal Stano, Štefan Matejčík, Oddur Ingólfsson

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Editore: Elsevier BV

DOI: 10.1016/j.ijms.2013.09.011

[Analytical continuation in coupling constant method; application to the calculation of resonance energies and widths for organic molecules: Glycine, alanine and valine and dimer of formic acid](#)

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Pubblicato in: Chemical Physics, Numero 03010104, 2013, Pagina/e 8-13, ISSN 0301-0104

Editore: Elsevier BV

DOI: 10.1016/j.chemphys.2013.03.023

[Dissociative electron attachment to hexafluoroacetylacetone and its bidentate metal complexes M\(hfac\)₂; M = Cu, Pd](#)

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Pubblicato in: The Journal of Chemical Physics, Numero 00219606, 2013, Pagina/e 234309, ISSN 0021-9606

Editore: American Institute of Physics

DOI: 10.1063/1.4810877

[Electron impact excitation of methane: determination of appearance energies for dissociation products](#)

Autori: M Danko, J Orszagh, M Ďurian, J Kočišek, M Daxner, S Zöttl, J B Maljković, J Fedor, P Scheier, S Denifl, Š Matejčík

Pubblicato in: Journal of Physics B: Atomic, Molecular and Optical Physics, Numero 09534075, 2013, Pagina/e 045203, ISSN 0953-4075

Editore: Institute of Physics Publishing

DOI: 10.1088/0953-4075/46/4/045203

[Absolute cross sections for dissociative electron attachment and dissociative ionization of cobalt tricarbonyl nitrosyl in the energy range from 0 eV to 140 eV](#)

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Editore: American Institute of Physics

DOI: 10.1063/1.4776756

[Dissociative excitation study of iron pentacarbonyl molecule](#)

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Pubblicato in: The European Physical Journal D, Numero 14346060, 2015, ISSN 1434-6060

Editore: Springer Verlag

DOI: 10.1140/epjd/e2015-50755-x

[Electron attachment to oxygen in nitrogen buffer gas at atmospheric pressure](#) 

Autori: Marek Kučera, Michal Stano, Jolanta Wnorowska, Wiesława Barszczewska, Detlef Loffhagen, Štefan Matejčík

Pubblicato in: The European Physical Journal D, Numero 67/11, 2013, ISSN 1434-6060

Editore: Springer Verlag

DOI: 10.1140/epjd/e2013-40401-2

Conference proceedings (125)

Dependence of D2 continuum radiation on electron beam energy in electron induced fluorescence experiment

Autori: Danko, Marián; Ďurian, Michal; Országh, Juraj; Matejčík, Štefan

Pubblicato in: 2016

Editore: ECAMP 12 : 12th European Conference on Atoms, Molecules and Photons : Goethe University

Application of diaphragm discharge for acrylic acid deposition on polypropylene non-woven for adhesion improvement

Autori: B. Feilhauerová, P. Multáňová, D. Kováčik, A. Zahoranová

Pubblicato in: Book of Abstracts: The Seminar on New Trends in Plasma Physics, 2018, Pagina/e 6

Editore: Department of Experimental Physics, Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava; Society for Plasma Research and Applications in cooperation with Library and Publishing Centre CU, Bratislava, Slovakia

Electron induced fluorescence of H2 continuum

Autori: M. Ďurian, M. Danko, A. Ribar, J. Országh, Š. Matejčík

Pubblicato in: Book of Abstracts: The Seminar on New Trends in Plasma Physics, 2018, Pagina/e 5

Editore: Department of Experimental Physics, Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava; Society for Plasma Research and Applications in cooperation with Library and Publishing Centre CU, Bratislava, Slovakia

Frequency response of microdischarges in argon

Autori: M. Klas, A. F.Borkhari, Š.Matejčík

Pubblicato in: Book of Abstracts: The Seminar on New Trends in Plasma

Physics, 2018, Pagina/e 7

Editore: Department of Experimental Physics, Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava; Society for Plasma Research and Applications in cooperation with Library and Publishing Centre CU, Bratislava, Slovakia

Atmospheric pressure low-temperature plasma for calcination of ceramic nanofibers

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Fluorescence of hydrogen induced by monoenergetic electrons

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Electrical breakdown in water: The statistical study

Autori: A. Zahoranová, S. Omasta, M. Stano

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Mechanism of corona discharge (CD) atmospheric pressure chemical ionization (APCI) with and without NH₃ dopant studied by ion mobility spectrometry combined with mass spectrometry

Autori: Vahideh Ilbeigi, Bartosz Michalczuk, Ladislav Moravsky, Stefan Matejcik

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Editore: Department of Experimental Physics, Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava; Society for Plasma Research and Applications in cooperation with Library and Publishing Centre CU, Bratislava, Slovakia

Inactivation of fungal contamination on nuts by cold atmospheric pressure plasma

Autori: V. Medvecká, A. Zahoranová, D. Kováčik

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Editore: Department of Experimental Physics, Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava; Society for Plasma Research and Applications in cooperation with Library and Publishing Centre CU, Bratislava, Slovakia

Electron impact excitation of gases relevant for Titan atmosphere

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Ion mobility spectrometry monitoring of phthalate isomers

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Examination of dielectric water discharge behavior

Autori: S. Omasta, M. Stano, V. Medvecká, A. Zahoranová

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The mass spectrometry of electron attachment to gas-phase and clusters of octafluorocyclobutane

Autori: P. Papp, D. Mészáros, Š. Matejčík

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Porous polypropylene membranes grafted by polyacrylic acid applied as separators in alkaline water electrolysis cell

Autori: Ľ. Staňo, M. Stano

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and Applications in cooperation with Library and Publishing Centre CU,
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Non-radioactive electron gun operating at atmospheric pressure

Autori: Matus Samel, Michal Stano, Miroslav Zahoran and Stefan Matejcik

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Formation of hydroperoxide functional groups on polypropylene surface by low temperature plasma treatment

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Editore: Department of Experimental Physics, Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava; Society for Plasma Research and Applications in cooperation with Library and Publishing Centre CU,
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Diagnostics of low temperature plasma and of its effect on plant seeds

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Pubblicato in: 2018

Editore: Department of Experimental Physics, Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava; Society for Plasma Research and Applications in cooperation with Library and Publishing Centre CU,
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Plasma assisted calcination of metal-organic (Al(NO₃)₃/PAN) fibers

Autori: J. Surovčík, V. Medvecká, D. Kováčik, A. Zahoranová

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CONSTRUCTION OF A FOURIER TRANSFORM SPECTROMETER FOR THE UV-VIS REGION

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DISCHARGE BREAKDOWN STUDIED UNDER HIGH PRESSURE IN ARGON

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DC VACUUM BREAKDOWN AT MICRO-METER SEPARATIONS

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ION MOBILITY SPECTROMETRY MONITORING OF DECOMPOSITION OF DIMETHYL PHTHALATE BY POSITIVE CORONA DISCHARGE

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ELECTRON INDUCED FRAGMENTATION OF 2,6 - DICHLOROANISOLE

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ACCELERATING MONTE CARLO PARTICLE-IN-CELL (MCC-PIC) SIMULATIONS OF DISCHARGES

Autori: Ján Ďurian, Štefan Matejčík, Zoltán Donkó

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DISSOCIATION OF DIMETHYL PHTHALATE MOLECULE INDUCED BY LOW-ENERGY ELECTRON IMPACT

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ELECTRON IMPACT EXCITATION OF HELIUM

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EXCITATION OF WATER INDUCED BY ELECTRON IMPACT

Autori: Juraj Országh, Dennis Bodewits, Barbora Stachová, Štefan Matejčík

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THE PROTON AFFINITIES OF DIMETHYL PHTHALATE ISOMERS

Autori: Peter Papp, Bartosz Michalczyk, Ladislav Moravský, Štefan Matejčík

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LOW-TEMPERATURE PLASMA TREATMENT OF SELECTED CEREALS

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SURFACE MODIFICATION OF POLYPROPYLENE MEMBRANES BY PLASMA-INDUCED GRAFTING FOR THEIR APPLICATION AS SEPARATORS IN ALKALINE ELECTROLYSIS CELL

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Editore: Department of Experimental Physics, Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava; Society for Plasma Research and Applications in cooperation with Library and Publishing Centre CU

DETECTION OF PHTHALATES BY ATMOSPHERIC PRESSURE CHEMICAL IONISATION ION MOBILITY SPECTROMETRY

Autori: Jana Hrdá, Ladislav Moravský, Bartosz Michalczuk, Štefan Matejčík

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ION MOBILITY SPECTROMETRY FOR RAPID QUANTATIVE ANALYSIS OF WHISKY LACTONE IN OAK WOOD

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IONIZATION AT ATMOSPHERIC PRESSURE USING keV ELECTRON SOURCE

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VELOCITY MAP IMAGING TECHNIQUE AND THE DISSOCIATION PROCESSES IN $W(CO)_6$ AND $Fe(CO)_5$ NEGATIVE IONS

Autori: M Pinteá and NJ Mason

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COMBUSTION EXHAUST CLEANING USING TRANSITION ELECTRIC DISCHARGE

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STABILITY OF DISCHARGES THERMOMETRY BASED ON THE EMISSION OF $2PS$, $NO\gamma$, AND HIR SYSTEMS

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Editore: Department of Experimental Physics, Faculty of Mathematics, Physics

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Low-temperature plasma assisted preparation of ceramic nanofibers

Autori: Medvecká, Veronika, Surovčík, Juraj, Kováčik, Dušan, Tučeková, Zlata, Zahoranová, Anna, Černák, Mirko

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Editore: University of Glasgow, UK

Plasma treatment seeds by Diffuse Coplanar Surface Barrier Discharge

Autori: Medvecká, Veronika, Zahoranová, Anna, Šimončicová, Juliana, Hoppanová, Lucia, Mošovská, Silvia, Kováčik, Dušan, Černák, Mirko

Pubblicato in: JSPP 2017 : Plasma Processing : EU-Japan Joint Symposium - Nago, 4.-7.12.2017. JP, 2017

Editore: Osaka University

Influence of cold atmospheric pressure plasma on quantitative characteristics of hazelnuts and peanuts

Autori: Medvecká, Veronika, Mošovská, Silvia, Zahoranová, Anna, Kováčik, Dušan, Černák, Mirko, Košian, Andrej, Mikulajová, Anna

Pubblicato in: GEM 2018 : Gaseous Electronics Meeting [20] - Magnetic Island, 21.06.2018 - 24.06.2018. AU, 2018

Editore: James Cook University

Ambient air non-thermal DCSBD plasma treatment of nuts: inactivation of *Aspergillus flavus* on surface and effect on qualitative parameters

Autori: Medvecká, Veronika, Mošovská, Silvia, Halászová, Noémi, Mikulajová, Anna, Ďurina, Pavol, Zahoranová, Anna

Pubblicato in: ISNTP 2018 : International Symposium on Non-Thermal/Thermal Plasma Pollution Control Technology and Sustainable Energy [11] - Montegrotto Terme, 01.07.2018 - 05.07.2018. IT, 2018

Editore: Padova University Press

ATR-FTIR study of low-temperature atmospheric pressure plasma treated *Aspergillus mycelia*

Autori: Medvecká, Veronika, Šimončicová, Juliana, Kováčik, Dušan, Zahoranová, Anna, Černák, Mirko

Pubblicato in: HAKONE 2018 : High Pressure Low Temperature Plasma Chemistry : International Symposium [16], 2018

Editore: Tsinghua University

Low-cost, energy-saving plasma method for preparation of inorganic submicron fibers

Autori: Medvecká, Veronika, Kováčik, Dušan, Zahoranová, Anna, Černák, Mirko

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Editore: International ASET and Avestia Publishing

Atmospheric pressure plasma assisted preparation of ceramic submicron fibers

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Editore: Universidade de Lisboa

Continual radiation of H₂ and D₂ ($a^3\text{Sigma } g^+ \rightarrow b^3\text{Sigma } u^+$) induced by electron impact

Autori: Juraj Országh, Marián Danko, Michal Ďurian, Štefan Matejčík

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Editore: Universidade de Lisboa

Electron impact excitation of water relevant for comet comae

Autori: Juraj Országh, Dennis Bodewits, Štefan Matejčík

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Editore: Asia Oceania Geosciences Society

Absolute excitation-emission cross section of electron induced argon excitation

Autori: Juraj Országh, Michal Ďurian, Štefan Matejčík

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Editore: Curtin University

Electron impact excitation and dissociative excitation processes to molecules

Autori: S. Matejcik, J. Orszagh, M. Durian, M. Danko

Pubblicato in: Low-Energy Positron and Positronum Physics 2017 :
International Workshop [19th], 2017

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Electron induced excitation of molecules relevant for astrophysics

Autori: Juraj Országh, Michal Durian, Marian Danko, Dennis Bodewits, Štefan Matejčík

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Molecular Physics of Ionised Gases [24] - Glasgow, 07.07.2018 - 21.07.2018.
GB, 2018

Editore: University of Glasgow, UK

Dissociative of iron pentacarbonyl into neutral fragments induced by electron impact

Autori: Juraj Orszagh, Marian Danko, Anita Ribar, Michal Durian and Stefan Matejcik

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Editore: Osaka University

Electron induced fluorescence - detection of neutral fragments

Autori: J Orszagh, S Matejcik

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Editore: Universidade Nova De Lisboa

Electron induced fluorescence of compounds relevant for comet comae

Autori: Juraj Országh, Dennis Bodewits, Štefan Matejčík

Pubblicato in: Physics of comets after the Rosetta mission: Unresolved problems, 2018

Editore: Astronomický ústav SAV

Electron induced fluorescence of water relevant for comet coma measurements by Rosetta

Autori: J Orszagh, M. Durian, S. Matejcik, S. Bodewits

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Editore: Innsbruck University

Electron induced fluorescence to molecules

Autori: S. Matejcik, M. Durian, J. Orszagh, M. Danko

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Isomers detection by ion mobility spectrometry- mass spectrometry

Autori: Bartosz Michalczuk, Ladislav Moravský, Martin Sabo, Štefan Matejcik

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Editore: Institut für Ionenphysik und Angewandte Physik, Universität Innsbruck

Excitation-emission cross sections of electron impact on water

Autori: J. Orszagh, M. Durian, S. Matejcik, D. Bodewits

Pubblicato in: 2018

Editore: Ustav fyzikalni chemie J. Heyrovskeho, Czech Academy of Sciences

Fluorescence of N₂O induced by electron impact

Autori: J. Orszagh, M. Durian, M. Danko, S. Matejcik

Pubblicato in: Low-Energy Positron and Positronum Physics 2017 : International Workshop [19th] (POSMOL), 2017

Editore: Australian National University

Rapid quantitative analysis of volatiles in oak wood by Ion Mobility Spectrometry

Autori: Bartosz Michalczuk, Ladislav Moravský, Štefan Matejcik

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Editore: FH Vorarlberg, University of Applied Sciences

Corona discharge ion mobility spectrometry as a good technique for phthalate detection

Autori: Bartosz Michalczuk, Ladislav Moravský, Martin Sabo, Štefan Matejcik

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Editore: FH Vorarlberg, University of Applied Sciences

Tracking degradation of phthalate, by atmospheric pressure discharge, by Ion Mobility Spectrometry

Autori: Bartosz Michalczuk, Ladislav Moravský, Martin Sabo, Štefan Matejcik

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Editore: Osaka University

Monitoring of environmental pollutants degradation using Ion Mobility Spectrometry

Autori: Bartosz Michalczuk, Ladislav Moravský, Martin Sabo, Štefan Matejcik

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Editore: International Society for Ion Mobility Spectrometry

Detection of phthalates using Corona Discharge Ion Mobility Spectrometry – Mass Spectrometry (CD IMS-MS)

Autori: Bartosz Michalczuk, Ladislav Moravský, Martin Sabo, Štefan Matejcik

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Editore: Tsinghua University

Ion Mobility Spectrometry – Mass Spectrometry as a good tool for monitoring trace amounts of phthalates.

Autori: Bartosz Michalczuk, Ladislav Moravský, Martin Sabo, Štefan Matejcik

Pubblicato in: 2018

Editore: International Society for Ion Mobility Spectrometry

Ultrasensitive method of monitoring of VOC's decomposition in corona discharge based on Ion Mobility Spectrometry

Autori: Bartosz Michalczuk, Ladislav Moravský, Martin Sabo, Štefan Matejcik

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Electron impact study of H₂ and D₂ continuum radiation

Autori: Marián Danko, Michal Ďurian, Juraj Országh and Štefan Matejčík

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Editore: Australian National University

Electron excitation of acetylene and its fluorescence in UV-VIS range

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IsotopeFit – data extraction and processing software for cluster mass spectra

Autori: Michal Ďurian, Stefan Ralser, Johannes Postler, Paul Scheier

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Editore: University of Innsbruck

High sensitivity measurements of electron induced fluorescence of H₂ continuum radiation

Autori: Michal Ďurian, Marián Danko, Anita Ribar, Juraj Országh, Štefan Matejčík

Pubblicato in: 2018

Editore: University of Glasgow

Ion Mobility Spectrometry diagnostic tool for of Atmospheric Pressure Discharges

Autori: Bartosz Michalczuk, Ladislav Moravský, Martin Sabo, Štefan Matejčík

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Editore: International Plasma Chemistry Society

Electron impact induced continuum radiation of H₂

Autori: Michal Ďurian, Marián Danko, Anita Ribar, Juraj Országh, Štefan Matejčík

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Editore: University of Innsbruck

Ion Mobility Spectrometry monitoring of phthalate degradation by atmospheric pressure discharges

Autori: Bartosz Michalczuk, Ladislav Moravský, Martin Sabo, Štefan Matejčík

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Editore: Institute of Plasma Physics CAS

Non-radioactive electron source for atmospheric and lower pressure ionization

Autori: Matus Samel, Michal Stano, Stefan Matejcik

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Editore: Australian National University

Non-radioactive electron source for atmospheric pressure ionization

Autori: Matus Samel, Michal Stano, Miroslav Zahoran, Stefan Matejcik

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Non-radioactive electron source for atmospheric pressure ionization

Autori: Matus Samel, Michal Stano, Miroslav Zahoran, Stefan Matejcik

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Editore: International Society for Ion Mobility Spectrometry

Electron energy distribution of electrons after transition through nanometric Si₃N₄ membranes

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Tunnelling electron source operating at atmospheric pressure

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Mass spectrum processing of TriMethylAluminium embedded in liquid Helium

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Electron induced processes on c-C₄F₈ molecules and clusters

Autori: Papp Peter, Mészáros Dušan, Matejčík Štefan

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Editore: Ústav fyzikální chemie J. Heyrovského AV ČR

Low energy electron attachment to C₃F₈, C₄F₈ molecules and clusters

Autori: Mészáros Dušan, Papp Peter, Matejčík Štefan

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Interakcie nízkoenergetických elektrónov s molekulami relevantnými pre plazmové technológie a nanotechnológie

Autori: Papp Peter, Matejčík Štefan

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Dissociative electron attachment to c-C₄F₈ molecules and clusters

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Editore: Osaka University

Understanding the differences in electron attachment and dissociation of gas phase vs molecular clusters of c-C₄F₈

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Dissociative electron attachment to 2,4,6-TCA and 2,4,6-TBA molecules

Autori: Asfandiarov, Nail L., Muftakhov, Mars, Pshenichnyuk, Stanislav, Papp, Peter, Danko, Marián, Lacko, Michal, Blaško, Ján, Matejčík, Štefan, Modelli,

Alberto

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APCI ionisation of phthalates studied by Ion Mobility Spectrometry - Mass Spectrometry

Autori: S. Matejčík, B. Michalczyk, L. Moravský, M. Šabó

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Editore: International Society for Ion Mobility Spectrometry

Electron ionization and DEA study of 2,6-dichloroanisole

Autori: Danko, Marián, Papp, Peter, Blaško, Ján, Moravský, Ladislav, Matejčík, Štefan

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Electron interactions for plasma diagnostics and modelling

Autori: Papp Peter, Országh Juraj, Matejčík Štefan

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Editore: Lisboa : Universidade de Lisboa

Dissociative ionization of Cyclopropylamine

Autori: Danko Marián, Papp Peter, Matejčík Štefan

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Editore: Academy of Science, Prague

Detection of low concentrations of NO₂⁻ and NO₃⁻ generated in deionised water by negative corona discharge and argon APPJ

Autori: L. Moravský, P. Troška, M. Masár, Š. Matejčík

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Editore: International Plasma Chemistry Society

Ion Mobility Spectrometry monitoring of degradation of organic compounds by plasma jet

Autori: L. Moravský, B. Michalczyk, M. Šabó, Š. Matejčík

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Ion Mobility Spectrometry monitoring of phthalate degradation by atmospheric corona discharge

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Monitoring Decomposition of Phthalates by Corona Discharge Based on Ion Mobility Spectrometry

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Phthalate detection by APCI ion mobility spectrometry

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High pressure microdischarges in argon up to 50bar

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Discharge breakdown studied under extreme conditions

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Ammonia Spectra in the Cryogenically Cooled Herriott Cell

Autori: P. Cermak, P. Cacciani, J. Cosleau

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Editore: HARVARD-SMITHSONIAN CENTER FOR ASTROPHYSICS
CAMBRIDGE MA, USA

Dicyclohexyl phthalate fragmentation by electron impact

Autori: M. Lacko, P. Papp, S. Matejcik

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Editore: European Physical Society

Electron attachment to doped Neon clusters

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Electron impact excitation of nitrous oxide

Autori: J. Orszagh, M. Danko, M. Durian, A. Ribar, S. Matejcik

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Electron induced dissociation of 2,4,6-trichloroanisole

Autori: M. Lacko, P. Papp, J. Blasko, S. Matejcik

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Electron induced emission of Balmer lines and Fulcher Alpha bands of H₂

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Electron interaction with Dicyclohexyl phthalate

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Electron interactions with Iron pentacarbonyl molecules and clusters

Autori: D. Meszaros, P. Papp, M. Lacko, M. Stano, S. Matejcik

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Non-radioactive source of electrons at atmospheric pressure

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Electron ionosation and electron attachment dissociation of iron pentacarbonyl clusters

Autori: D. Meszaros, P. Papp, M. Lacko, M. Stano, S. Matejcik

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Evolution of the continuum radiation spectra of H₂ and D₂ with electron energy

Autori: M. Danko, M. Durian, J. Orszagh, S. Matejcik

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Editore: European Physical Society

Excitation of nitrous oxide by electron impact

Autori: M. Danko, J. Orszagh, M. Durian, S. Matejcik

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Characterization of microdischarges from DC up to radio frequency in compressed ambient air

Autori: M. Klas, L. Moravsky, M. Radmilovic-Radjenovici, B. Radjenovic, S. Matejcik

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Editore: European Physical Society

Interaction of negative corona discharge in air with water

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Interactions of low energy electrons with 2,4,6-trichloroanisole

Autori: M. Lacko, M. Stano, Z. Lichvanova, P. Papp, S. Matejcik

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Study of 2,4,6,-trichloroanisole by ultraviolet photoelectron spectroscopy

Autori: Z. Lichvanova, M. Stano, P. Papp, M. Sabo, S. Matejcik

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ELECTRON AND ION PROCESSES FOR LOW TEMPERATURE PLASMA

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ELECTRON INDUCED DISSOCIATIVE EXCITATION OF C₂H₂

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ELECTRON IONISATION AND ELECTRON ATTACHMENT TO ANISOLE COMPOUNDS

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NON-RADIOACTIVE SOURCE OF ELECTRONS AT ATMOSPHERIC PRESSURE

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CONCENTRATION OF NO MOLECULES IN POSITIVE AND NEGATIVE CORONA DISCHARGE JET

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ELECTRICAL CHARACTERIZATION OF HIGH PRESSURE MICRODISCHARGES IN AIR FROM DC UP TO RF

Autori: Matej Klas, L. Moravský, M. Radjenovič-Radmilovič, Štefan Matejčík

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FLUORESCENCE RADIATION OF H₂ MOLECULE

Autori: Marián Danko, Anita Ribar, Michal Ďurian, Juraj Országh, Štefan Matejčík

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ABSOLUTE ELECTRON IMPACT EXCITATION-EMISSION CROSS SECTION FOR Ar 4P₂[1/2] → 4S₂[1/2]^o TRANSITION

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POTENTIAL GENOTOXIC EFFECT OF LOW TEMPERATURE PLASMA GENERATED IN VARIOUS OXYGEN AND NITROGEN MIXTURES

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DEPOSITION OF PTFE-LIKE POLYMER FILMS USING ATMOSPHERIC PRESSURE PLASMA

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STUDY OF INTERACTION OF LOW TEMPERATURE PLASMA WITH LEGUMES

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HYDROPHILISATION OF POLYPROPYLENE BY DCSBD PLASMA AND AGING OF THE TRETMENT IN QUEOUS SOLUTION OF KOH

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MEASUREMENT OF OH RADICALS GENERATED IN DIFFUSE COPLANAR SURFACE BARRIER DISCHARGE

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EFFECT OF SUBSTRATE ON DEPOSITION OF PLASMA POLYMERIZED TEFLON-LIKE FILM

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