

Joint Publications **(publications involving more than one network node)**

J.D. Barr, A.J. Bell, D.O. Konn, J. Murrell, C.M. Timperley, M.J. Waters, P. Watts.
Fragmentations and reactions of three isotopically labelled dimethyl methylphosphonate ions produced by electrospray ionisation in an ion trap mass spectrometer.
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N. Hooper, L.J. Beeching, J.M. Dyke, A. Morris, J.S. Ogden, A.A. Dias, M.L. Costa, M.H. Cabral, A.M.C. Moutinho
A Study of the Thermal Decomposition of 2-Azidoethanol and 2-Azidoethylacetate by Ultraviolet Photoelectron Spectroscopy and Matrix Isolation Infrared Spectroscopy.
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L.J. Beeching, A.A. Dias, J.M. Dyke, A. Morris, S. Stranges, J.B. West, N. Zema, L. Zuin
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M. Filomena Duarte, Filipa Martins, M. Tereza Fernandez, G. John Langley, Paula Rodrigues, M. Teresa Barros, M. Lourdes Costa.
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M. Frankowski, M. Algarra, P. Rodrigues, M.T. Barros, M.N.D.S. Cordeiro, B.S. Fox, A.M. Smith-Gicklhorn, M.K. Beyer, M.L. Costa, V.E. Bondybey
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I. Balteanu, O.P. Balaj, B.S. Fox-Beyer, P. Rodrigues, M.T. Barros, A.M.C. Moutinho, M.L. Costa, M.K. Beyer, V.E. Bondybey
Cluster Size and Charge Dependent Reactions of the Highly Exothermic Azidoacetonitrile on Anionic and Cationic Rhodium Clusters $Rh_n^{+/-}$.
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L. Zuin, F. Innocenti, M.L. Costa, A.A. Dias, A. Morris, A.C.S. Paiva, S. Stranges, J.B. West, J.M. Dyke
An initial investigation of S and SH with angle resolved photoelectron spectroscopy using synchrotron radiation.

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A.J. Bell, A. Citra, J.M. Dyke, F. Ferrante, L. Gagliardi, P. Watts
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M.T. Barros, M.K. Beyer, M.L. Costa, M.F. Duarte, M.T. Fernandez, F. Martins, P.
Rodrigues, P. Watts
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Azidopropionitrile, and Azidoacetonitrile in a Fourier Transform Ion Cyclotron Resonance
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J.D. Barr, A.J. Bell, M. Bird, J.L. Munday, J. Murrell, C.M. Timperley, P. Watts
Fragmentations and reactions of the organophosphate insecticide Diazinon and its oxygen
analogue studied by electrospray ionization ion trap mass spectrometry.
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A.J. Bell, D. Mitchell, C.M. Timperley, P. Watts, N. Williams
Fragmentation of some protonated dimethyl alkylphosphonates studied by electrospray
ionisation/ion trap mass spectrometry.
In preparation.

A.J. Bell, D. Mitchell, C.M. Timperley, P. Watts
Fragmentations of some protonated aliphatic aldehydes and ketones studied by electrospray
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In preparation.

K. Alnama, S. Boyé, S. Douin, F. Innocenti, J. O'Reilly, A-L. Roche, N. Shafizadeh, L. Zuin,
D. Gauyacq
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J.M. Dyke, G. Levita, A. Morris, J.S. Ogden, A.A. Dias, M. Algarra, J.P. Santos, M.L. Costa,
P. Rodrigues, M.T. Barros
A study of the thermal decomposition of 2-azidoacetamide by ultraviolet photoelectron
spectroscopy and matrix isolation infrared spectroscopy: identification of the imine
intermediate H₂NCOCHNH
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J.M. Dyke, G. Levita, A. Morris, J.S. Ogden, A.A. Dias, M. Algarra, J.P. Santos, M.L. Costa,
P. Rodrigues, M.M. Andrade, M.T. Barros
Contrasting behaviour in azide pyrolyses: an investigation of the thermal decomposition of
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M. Algarra, A.A. Dias, M.L. Costa, P. Rodrigues, M.T. Barros, M.N.D.S. Cordeiro, V.H.C.
Lopes, G. Levita, J.M. Dyke, A. Morris, J.S. Ogden

Experimental and theoretical study of the thermal decomposition of azidoacetonitrile, 2-azidopropionitrile and 3-azidopropionitrile by Ultraviolet Photoelectron Spectroscopy and Matrix Isolation Infrared Spectroscopy.

To be submitted shortly.

R.I. Olariu, A.A. Dias, M.L. Costa, P. Rodrigues, M.T. Barros, J.M. Dyke, A. Morris, J.S. Ogden

Thermal decomposition study of (methyl) benzyl azides by Ultraviolet Photoelectron Spectroscopy and Matrix Isolation Infrared Spectroscopy.

In preparation.

J.P. Santos, M. L. Costa, F. Parente, G. Levita, J. M. Dyke

Theoretical study of the molecular properties and the thermal decomposition pathway of 2-azido-N,N-dimethylacetamide

In preparation.

Filipa Martins, M. Filomena Duarte, M. Tereza Fernandez, G. John Langley, Paula Rodrigues, M. Teresa Barros, M. Lourdes Costa

Electron ionization mass spectrometry in the characterization of azidonitriles

Rapid Commun. Mass Spectrometry 18, 363 (2004).

Vítor S. Pinto, M. Tereza Fernandez, M. Filomena Duarte, G. John Langley, Paula Rodrigues, M. Teresa Barros, M. Lourdes Costa

An electrospray study of Ni complexation by azidoacetic acid

In preparation.

M.T. Barros, M.K. Beyer, M.L. Costa, M.F. Duarte, M.T. Fernandez, F. Martins, P. Rodrigues, P. Watts,

Mass spectrometric studies of azides: reactions of Ar^+ with 3-azidopropionitrile, 2-azidopropionitrile, and azidoacetonitrile in a Fourier Transform Ion Cyclotron Resonance Mass Spectrometer

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Romeo I. Olariu, J. Lameiras, Filipa Martins, M. Filomena Duarte, M. Tereza Fernandez, G. John Langley, M. Lourdes Costa, Paula Rodrigues, M. Teresa Barros

Mass spectral fragmentation mechanisms of benzylazide and substituted benzylazides:

Characterization and differentiation of isomers.

In preparation.

V. Vassilenko, R. Martins, O.M.N.D. Teodoro, P. Rodrigues, M.T. Barros, M.L. Costa, M.H. Vasconcelos Cabral and A.M.C. Moutinho

Positive and negative ion emission from Ni/azide covered surfaces

To be submitted shortly.

V. Vassilenko, O.M.N.D. Teodoro, P. Rodrigues, M.T. Barros, M.L. Costa, M.H.

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