Antonio A Dias

List of Publications by Year
in descending order

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29	401	759233 12	794594 19
papers	citations	h-index	g-index

29	29	29	468
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Study of the Thermal Decomposition of 2-Azidoacetic Acid by Photoelectron and Matrix Isolation Infrared Spectroscopy. Journal of the American Chemical Society, 1997, 119, 6883-6887.	13.7	63
2	A Study of the Thermal Decomposition of 2-Azidoethanol and 2-Azidoethyl Acetate by Ultraviolet Photoelectron Spectroscopy and Matrix Isolation Infrared Spectroscopyâ€. Journal of Physical Chemistry A, 2002, 106, 9968-9975.	2.5	49
3	Contrasting Behavior in Azide Pyrolyses: An Investigation of the Thermal Decompositions of Methyl Azidoformate, Ethyl Azidoformate and 2-Azido-N,N-dimethylacetamide by Ultraviolet Photoelectron Spectroscopy and Matrix Isolation Infrared Spectroscopy. Chemistry - A European Journal, 2005, 11, 1665-1676.	3.3	36
4	A Study of the Thermal Decomposition of 2-Azidoacetamide by Ultraviolet Photoelectron Spectroscopy and Matrix-Isolation Infrared Spectroscopy:Â Identification of the Imine Intermediate H2NCOCHNH. Journal of Physical Chemistry A, 2004, 108, 5299-5307.	2.5	25
5	A Theoretical Study of the Gas-Phase Pyrolysis of 2-Azidoacetic Acid. Journal of Physical Chemistry A, 2001, 105, 3140-3147.	2.5	18
6	Comparison of standardâ€based and standardless methods of quantification used in Xâ€ray fluorescence analysis: Application to the exoskeleton of clams. X-Ray Spectrometry, 2018, 47, 108-115.	1.4	17
7	An initial investigation of S and SH with angle resolved photoelectron spectroscopy using synchrotron radiation. Chemical Physics, 2004, 298, 213-222.	1.9	15
8	Photoionization studies of the atmospherically important species N and OH at the Elettra synchrotron radiation source. Journal of Electron Spectroscopy and Related Phenomena, 2005, 142, 241-252.	1.7	14
9	Electronic structure and thermal decomposition of 5-aminotetrazole studied by UV photoelectron spectroscopy and theoretical calculations. Chemical Physics, 2011, 381, 49-58.	1.9	14
10	Measurement of the partial photoionization cross sections and asymmetry parameters of S atoms in the photon energy range 10.0â€“30.0eV using constant-ionic-state spectroscopy. Journal of Chemical Physics, 2007, 126, 154310.	3.0	13
11	Thermal Decomposition of Methyl 2-Azidopropionate Studied by UV Photoelectron Spectroscopy and Matrix Isolation IR Spectroscopy: Heterocyclic Intermediate vs Imine Formation. Journal of Physical Chemistry A, 2011, 115, 8447-8457.	2.5	13
12	Quantitative analysis of human remains from 18thâ€“19th centuries using X-ray fluorescence techniques: The mysterious high content of mercury in hair. Journal of Trace Elements in Medicine and Biology, 2016, 33, 26-30.	3.0	13
13	Quantitative determinations and imaging in different structures of buried human bones from the XVIII-XIXth centuries by energy dispersive X-ray fluorescence â€“ Postmortem evaluation. Talanta, 2016, 155, 107-115.	5.5	12
14	Study of selected benzyl azides by UV photoelectron spectroscopy and mass spectrometry. Journal of Molecular Structure, 2010, 980, 163-171.	3.6	11
15	Mass spectrometry of aliphatic azides. , 1999, 13, 559-561.		10
16	Quantitative evaluation of ante-mortem lead in human remains of the 18th century by triaxial geometry and bench top micro X-ray fluorescence spectrometry. Journal of Analytical Atomic Spectrometry, 2015, 30, 2488-2495.	3.0	10
17	Tautomerism in 5-methyltetrazole investigated by core-level photoelectron spectroscopy and Î”SCF calculations. Chemical Physics Letters, 2011, 516, 149-153.	2.6	9
18	The Mechanism of Pyrolysis of Benzyl Azide: Spectroscopic Evidence for Benzenemethanimine Formation. Journal of Physical Chemistry A, 2015, 119, 4118-4126.	2.5	9

#	Article	IF	Citations
19	Study of the azidoacetic acid adsorption in Ag (111)-C. Vacuum, 2002, 64, 445-450.	3.5	7
20	A study of the CF radical with PE and CIS spectroscopy: investigation of Rydberg states above the first ionization threshold. Molecular Physics, 2007, 105, 755-769.	1.7	7
21	Electronic structure and thermal decomposition of 5-methyltetrazole studied by UV photoelectron spectroscopy and theoretical calculations. Chemical Physics, 2012, 392, 21-28.	1.9	7
22	A study of the NO radical with PE and CIS spectroscopy: investigation of NO(b3Î,â€‰3p) and NO(b3Î,â€‰4p) Rydberg states. Molecular Physics, 2007, 105, 771-796.	1.7	6
23	Analysis of human tissues using Energy Dispersive X Ray Fluorescence â€“ Dark matrix determination for the application to cancer research. Journal of Trace Elements in Medicine and Biology, 2021, 68, 126837.	3.0	6
24	Pyrolysis of 3-azidopropionitrile studied by UV photoelectron and matrix-isolation IR spectroscopies: Formation of ketenimine H2C C NH. Journal of Molecular Structure, 2012, 1025, 151-159.	3.6	5
25	A Study of H₂O₂ with Threshold Photoelectron Spectroscopy (TPES) and Electronic Structure Calculations: Redetermination of the First Adiabatic Ionization Energy (AIE). Journal of Physical Chemistry A, 2016, 120, 5220-5229.	2.5	5
26	Computational study on the ionization energies of benzyl azide and its methyl derivatives. Computational and Theoretical Chemistry, 2010, 948, 15-20.	1.5	3
27	Theoretical study of the molecular properties of methyl 2-azidopropionate and methyl 3-azidopropionate. Computational and Theoretical Chemistry, 2009, 894, 80-87.	1.5	2
28	Reply to â€œComment on â€˜The Mechanism of Pyrolysis of Benzyl Azide: Spectroscopic Evidence for Benzemethanimine Formationâ€™â€• Journal of Physical Chemistry A, 2015, 119, 8258-8259.	2.5	2
29	Tautomerism in 5-aminotetrazole investigated by core-level photoelectron spectroscopy and Î”SCF calculations. Journal of Electron Spectroscopy and Related Phenomena, 2012, 185, 13-17.	1.7	0