

# Francesco Lanucara

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,518  
citations

394421

19  
h-index

552781

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2311  
citing authors

#	ARTICLE	IF	CITATIONS
1	The power of ion mobility-mass spectrometry for structural characterization and the study of conformational dynamics. <i>Nature Chemistry</i> , 2014, 6, 281-294.	13.6	753
2	Probing the Compound I-like Reactivity of a Bare High-Valent Oxo Iron Porphyrin Complex: The Oxidation of Tertiary Amines. <i>Journal of the American Chemical Society</i> , 2008, 130, 3208-3217.	13.7	84
3	Meisenheimer Complexes Positively Characterized as Stable Intermediates in the Gas Phase. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1995-1998.	13.8	68
4	Top-down mass spectrometry for the analysis of combinatorial post-translational modifications. <i>Mass Spectrometry Reviews</i> , 2013, 32, 27-42.	5.4	57
5	Oxygen-Atom Transfer by a Naked Manganese(V) Oxo-Porphyrin Complex Reveals Axial Ligand Effect. <i>Chemistry - A European Journal</i> , 2009, 15, 7863-7866.	3.3	50
6	Naked Five-Coordinate Fe(III)(NO) Porphyrin Complexes: Vibrational and Reactivity Features. <i>Inorganic Chemistry</i> , 2011, 50, 4445-4452.	4.0	47
7	Molecular Complexes of Simple Anions with Electron-Deficient Arenes: Spectroscopic Evidence for Two Types of Structural Motifs for Anion-Arene Interactions. <i>Chemistry - A European Journal</i> , 2009, 15, 8185-8195.	3.3	44
8	Infrared spectroscopy of isolated nucleotides. 1. The cyclic 3',5'-adenosine monophosphate anion. <i>International Journal of Mass Spectrometry</i> , 2008, 270, 111-117.	1.5	43
9	Global Proteomic Analysis of Human Liver Microsomes: Rapid Characterization and Quantification of Hepatic Drug-Metabolizing Enzymes. <i>Drug Metabolism and Disposition</i> , 2017, 45, 666-675.	3.3	42
10	Direct Probe of NO Vibration in the Naked Ferric Heme Nitrosyl Complex. <i>ChemPhysChem</i> , 2008, 9, 826-828.	2.1	33
11	S-nitrosation of cysteine as evidenced by IRMPD spectroscopy. <i>International Journal of Mass Spectrometry</i> , 2012, 330-332, 160-167.	1.5	31
12	Attempting to rewrite <i>His</i> story: challenges with the analysis of histidine-phosphorylated peptides. <i>Biochemical Society Transactions</i> , 2013, 41, 1089-1095.	3.4	30
13	Kinetic control in the CID-induced elimination of H <sub>3</sub> PO <sub>4</sub> from phosphorylated serine probed using IRMPD spectroscopy. <i>Chemical Communications</i> , 2014, 50, 3845-3848.	4.1	30
14	Infrared spectroscopy of nucleotides in the gas phase 2. The protonated cyclic 3',5'-adenosine monophosphate. <i>RSC Advances</i> , 2013, 3, 12711.	3.6	25
15	IR Signature of NO Binding to a Ferrous Heme Center. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2414-2417.	4.6	24
16	Gas-phase intermolecular phosphate transfer within a phosphohistidine phosphopeptide dimer. <i>International Journal of Mass Spectrometry</i> , 2014, 367, 28-34.	1.5	23
17	Probing Spin-Forbidden Oxygen-Atom Transfer: Gas-Phase Reactions of Chromium Porphyrin Complexes. <i>Journal of the American Chemical Society</i> , 2010, 132, 4336-4343.	13.7	20
18	IRMPD spectroscopy of protonated S-nitrosocaptopril, a biologically active, synthetic amino acid. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 13455.	2.8	20

#	ARTICLE	IF	CITATIONS
19	Mass Spectrometric-Based Quantitative Proteomics Using SILAC. <i>Methods in Enzymology</i> , 2011, 500, 133-150.	1.0	20
20	Biomimetic Oxidation Reactions of a Naked Manganese(V)â€“Oxo Porphyrin Complex. <i>Chemistry - A European Journal</i> , 2011, 17, 12092-12100.	3.3	19
21	Dynamic phosphorylation of RelA on Ser42 and Ser45 in response to TNFÎ± stimulation regulates DNA binding and transcription. <i>Open Biology</i> , 2016, 6, 160055.	3.6	19
22	Unblocking the Sink: Improved CID-Based Analysis of Phosphorylated Peptides by Enzymatic Removal of the Basic C-Terminal Residue. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 214-225.	2.8	14
23	Probing Bare High-Valent Transition Oxoâ€“Metal Complexes: An Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Study of Reactive Intermediates. <i>European Journal of Mass Spectrometry</i> , 2010, 16, 407-414.	1.0	5
24	N-nitrosation of N-acetyltryptophan probed by IR spectroscopy of the gaseous anion. <i>Chemical Physics Letters</i> , 2013, 588, 215-219.	2.6	5
25	Probing the exposure of the phosphate group in modified amino acids and peptides by ion-molecule reactions with triethoxyborane in Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1107-1116.	1.5	2