

Federico Pepi

List of Publications by Year in descending order

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304743

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1441
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Accelerated D -Fructose Acid-Catalyzed Reactions in Thin Films Formed by Charged Microdroplets Deposition. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 565-572. | 2.8 | 4 |
| 2 | Regioselective Bond-Forming and Hydrolysis Reactions of Doubly Charged Vanadium Oxide Anions in the Gas Phase. <i>Reactions</i> , 2022, 3, 254-264. | 2.1 | 1 |
| 3 | Free N -heterocyclic carbenes from Brønsted acidic ionic liquids: Direct detection by electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2022, 36, . | 1.5 | 4 |
| 4 | Charge-Tagged N -Heterocyclic Carbenes (NHCs): Revealing the Hidden Side of NHC-Catalysed Reactions through Electrospray Ionization Mass Spectrometry. <i>ChemPlusChem</i> , 2021, 86, 209-223. | 2.8 | 4 |
| 5 | Reactivity of transition metal dioxide anions MO_2^{2-} ($M = Co, Ni, Cu, Zn$) with sulfur dioxide in the gas phase: An experimental and theoretical study. <i>Chemical Physics Letters</i> , 2021, 776, 138555. | 2.6 | 7 |
| 6 | The use of a commercial ESI Z-spray source for ambient ion soft landing and microdroplet reactivity experiments. <i>International Journal of Mass Spectrometry</i> , 2021, 468, 116658. | 1.5 | 9 |
| 7 | Intracluster Sulphur Dioxide Oxidation by Sodium Chlorite Anions: A Mass Spectrometric Study. <i>Molecules</i> , 2021, 26, 7114. | 3.8 | 4 |
| 8 | Variation in essential oil content and composition of <i>Ridolfia segetum</i> Moris based on 30-hour prolonged fractionated extraction procedure. <i>Natural Product Research</i> , 2020, 34, 1923-1926. | 1.8 | 4 |
| 9 | Gas-phase structures and thermochemical properties of protonated 5-HMF isomers. <i>International Journal of Mass Spectrometry</i> , 2020, 447, 116237. | 1.5 | 4 |
| 10 | From vacuum to atmospheric pressure: A review of ambient ion soft landing. <i>International Journal of Mass Spectrometry</i> , 2020, 450, 116309. | 1.5 | 14 |
| 11 | Base-Assisted Conversion of Protonated D -Fructose to 5-HMF: Searching for Gas-Phase Green Models. <i>ChemistryOpen</i> , 2019, 8, 1190-1198. | 1.9 | 10 |
| 12 | Application of microemulsions for the removal of synthetic resins from paintings on canvas. <i>Natural Product Research</i> , 2019, 33, 1015-1025. | 1.8 | 6 |
| 13 | <i>Melissa officinalis</i> L. subsp. <i>altissima</i> (Sibth. & Sm.) Arcang. essential oil: Chemical composition and preliminary antimicrobial investigation of samples obtained at different harvesting periods and by fractionated extractions. <i>Industrial Crops and Products</i> , 2018, 117, 317-321. | 5.2 | 17 |
| 14 | Essential oil extraction, chemical analysis and anti- <i>Candida</i> activity of <i>Foeniculum vulgare</i> Miller – new approaches. <i>Natural Product Research</i> , 2018, 32, 1254-1259. | 1.8 | 34 |
| 15 | <i>Sideritis romana</i> L. subsp. <i>purpurea</i> (Tal. ex Benth.) Heywood, a new chemotype from Montenegro. <i>Natural Product Research</i> , 2018, 32, 1056-1061. | 1.8 | 9 |
| 16 | Novel Symmetrical Benzazoyl Derivatives Endowed with Potent Anti-Heparanase Activity. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 10834-10859. | 6.4 | 19 |
| 17 | From ascorbic acid to furan derivatives: the gas phase acid catalyzed degradation of vitamin C. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 17132-17140. | 2.8 | 19 |
| 18 | Antimicrobial and Antibiofilm Activity and Machine Learning Classification Analysis of Essential Oils from Different Mediterranean Plants against <i>Pseudomonas aeruginosa</i> . <i>Molecules</i> , 2018, 23, 482. | 3.8 | 62 |

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| 19 | Synthesis and characterization of two new triads with ferrocene and C60 connected by triple bonds to the beta-positions of <i>meso</i> -tetraphenylporphyrin. <i>Journal of Porphyrins and Phthalocyanines</i> , 2017, 21, 364-370. | 0.8 | 9 |
| 20 | Essential oils extraction: a 24-hour steam distillation systematic methodology. <i>Natural Product Research</i> , 2017, 31, 2387-2396. | 1.8 | 56 |
| 21 | Composition of the Essential Oil of <i>Coristospermum cuneifolium</i> and Antimicrobial Activity Evaluation. <i>Planta Medica International Open</i> , 2017, 4, e74-e81. | 0.5 | 6 |
| 22 | Essential Oil Extraction, Chemical Analysis and Anti-Candida Activity of <i>Calamintha nepeta</i> (L.) Savi subsp. <i>glandulosa</i> (Req.) Ball. New Approaches. <i>Molecules</i> , 2017, 22, 203. | 3.8 | 30 |
| 23 | Vitamin C: an experimental and theoretical study on the gas-phase structure and ion energetics of protonated ascorbic acid. <i>Journal of Mass Spectrometry</i> , 2016, 51, 1146-1151. | 1.6 | 4 |
| 24 | Characterization of naproxen-polymer conjugates for drug-delivery. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016, 27, 69-85. | 3.5 | 8 |
| 25 | Properties and limits of some essential oils: chemical characterisation, antimicrobial activity, interaction with antibiotics and cytotoxicity. <i>Natural Product Research</i> , 2016, 30, 1909-1918. | 1.8 | 17 |
| 26 | Antibacterial activity of essential oils mixture against PSA. <i>Natural Product Research</i> , 2016, 30, 412-418. | 1.8 | 11 |
| 27 | Acid-catalysed glucose dehydration in the gas phase: a mass spectrometric approach. <i>Journal of Mass Spectrometry</i> , 2015, 50, 228-234. | 1.6 | 13 |
| 28 | Multidisciplinary Approach to Determine the Optimal Time and Period for Extracting the Essential Oil from <i>Mentha suaveolens</i> Ehrh. <i>Molecules</i> , 2015, 20, 9640-9655. | 3.8 | 33 |
| 29 | A mass spectrometric study of the acid-catalysed d-fructose dehydration in the gas phase. <i>Carbohydrate Research</i> , 2015, 413, 145-150. | 2.3 | 18 |
| 30 | Effects of <i>Mentha suaveolens</i> Essential Oil Alone or in Combination with Other Drugs in <i>Candida albicans</i> . <i>Evidence-based Complementary and Alternative Medicine</i> , 2014, 2014, 1-9. | 1.2 | 41 |
| 31 | In vitro inhibition of herpes simplex virus type 1 replication by <i>Mentha suaveolens</i> essential oil and its main component piperitenone oxide. <i>Phytomedicine</i> , 2014, 21, 857-865. | 5.3 | 63 |
| 32 | All the 2p-block elements in a molecule: experimental and theoretical studies of FBNCO and FBNCO+. <i>Chemical Communications</i> , 2014, 50, 13900-13903. | 4.1 | 4 |
| 33 | Gellan gum and polyethylene glycol dimethacrylate double network hydrogels with improved mechanical properties. <i>Journal of Polymer Research</i> , 2014, 21, 1. | 2.4 | 25 |
| 34 | The Mechanism of 2-Furaldehyde Formation from Xylose Dehydration in the Gas Phase. A Tandem Mass Spectrometric Study. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1082-1089. | 2.8 | 11 |
| 35 | Gas-phase basicity of 2-furaldehyde. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1488-1494. | 1.6 | 5 |
| 36 | Chemically Modified Multiwalled Carbon Nanotubes Electrodes with Ferrocene Derivatives through Reactive Landing. <i>Journal of Physical Chemistry C</i> , 2011, 115, 4863-4871. | 3.1 | 23 |

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| 37 | Low-energy collisionally activated dissociation of pentose-borate complexes. International Journal of Mass Spectrometry, 2010, 289, 76-83. | 1.5 | 8 |
| 38 | A tandem mass spectrometric investigation of the low-energy collision-activated fragmentation of <i>neo-clerodane</i> diterpenes. Rapid Communications in Mass Spectrometry, 2010, 24, 1543-1556. | 1.5 | 5 |
| 39 | Electron-Transfer Kinetics of Microperoxidase-1 Covalently Immobilised onto the Surface of Multi-Walled Carbon Nanotubes by Reactive Landing of Mass-Selected Ions. Chemistry - A European Journal, 2009, 15, 7359-7367. | 3.3 | 40 |
| 40 | Furofuranic glycosylated lignans: a gas-phase ion chemistry investigation by tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 3382-3392. | 1.5 | 15 |
| 41 | Gas-phase ion chemistry of BF ₃ /NH ₃ mixtures: Activation of methane by dimethylsilane display= inline overflow= scroll xmlns:xocs= http://www.elsevier.com/xml/xocs/dtd xmlns:xs= http://www.w3.org/2001/XMLSchema xmlns:xsi= http://www.w3.org/2001/XMLSchema-instance xmlns= http://www.elsevier.com/xml/ja/dtd xmlns:ja= http://www.elsevier.com/xml/ja/dtd xmlns:mml= http://www.w3.org/1998/Math/MathML xmlns:tb= http://www.elsevier.com/xml/common/table/dtd xmlns:tbl_struct= http://www.elsevier.com/xml/common/table-struct/dtd | 2.6 | 7 |
| 42 | Soft-Landed Protein Voltammetry: A Tool for Redox Protein Characterization. Analytical Chemistry, 2008, 80, 5937-5944. | 6.5 | 35 |
| 43 | Soft landed protein voltammetry. Chemical Communications, 2007, , 3494. | 4.1 | 23 |
| 44 | Gas-Phase Chemistry of Diphosphate Anions as a Tool To Investigate the Intrinsic Requirements of Phosphate Ester Enzymatic Reactions: The [M1M2HP2O7] ²⁻ Ions. Chemistry - A European Journal, 2007, 13, 2096-2108. | 3.3 | 5 |
| 45 | Gas-Phase Ion Chemistry of BF ₃ /NH ₃ Mixtures. Journal of Physical Chemistry A, 2006, 110, 12427-12433. | 2.5 | 5 |
| 46 | Gas-phase Ion Chemistry of BF ₃ /NH ₃ Mixtures: The First Observation of [BF _n N _x H _{n-1}] ⁺ (n= 1, 2; x= 1, 3) Ions. Journal of Physical Chemistry B, 2006, 110, 4492-4499. | 2.6 | 9 |
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| 48 | Gas phase protonation of trifluoromethyl sulfur pentafluoride. Physical Chemistry Chemical Physics, 2005, 7, 1181. | 2.8 | 10 |
| 49 | The Diphosphate Monoanion in the Gas Phase: A Joint Mass Spectrometric and Theoretical Study. Chemistry - A European Journal, 2004, 10, 840-850. | 3.3 | 5 |
| 50 | Gaseous H ₅ P ₂ O ₈ ⁻ Ions: A Theoretical and Experimental Study on the Hydrolysis and Synthesis of Diphosphate Ion. Chemistry - A European Journal, 2004, 10, 5706-5716. | 3.3 | 8 |
| 51 | Sulfur hexafluoride corona discharge decomposition: gas-phase ion chemistry of SOF _x ⁺ (x=1-3) ions. Chemical Physics Letters, 2003, 381, 168-176. | 2.6 | 14 |
| 52 | Gas-Phase Chemistry of NH _x Cl _y ⁺ Ions. 3. Structure, Stability, and Reactivity of Protonated Trichloramine. Journal of Physical Chemistry A, 2003, 107, 2085-2092. | 2.5 | 8 |
| 53 | Surface Modification and Patterning Using Low-Energy Ion Beams: Si-O Bond Formation at the Vacuum/Adsorbate Interface. Analytical Chemistry, 2002, 74, 317-323. | 6.5 | 40 |
| 54 | Thionyl Fluoride from Sulfur Hexafluoride Corona Discharge Decomposition: Gas-Phase Chemistry of [SOF ₂] ⁺ Ions. Journal of Physical Chemistry A, 2002, 106, 9261-9266. | 2.5 | 12 |

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| 55 | Gas-phase fluorination of acetylene by XeF ⁺ : Formation, structure and reactivity of C ₂ H ₂ F ⁺ isomeric ions. <i>Chemical Physics Letters</i> , 2001, 339, 71-76. | 2.6 | 5 |
| 56 | Gas-Phase Reactions of Nitronium Ions with Acetylene and Ethylene: An Experimental and Theoretical Study. <i>Chemistry - A European Journal</i> , 2000, 6, 537-544. | 3.3 | 22 |
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| 59 | A mass spectrometric and computational study of gaseous peroxyxynitric acid and (HOONO ₂)H ⁺ protomers. <i>International Journal of Mass Spectrometry</i> , 2000, 195-196, 1-10. | 1.5 | 11 |
| 60 | Collisions of Silylium Cations with Hydroxyl-Terminated and Other Self-Assembled Monolayer Surfaces: Reactions, Dissociation, and Surface Characterization. <i>Journal of Physical Chemistry B</i> , 2000, 104, 11230-11237. | 2.6 | 26 |
| 61 | Gas-phase reactions of protonated chlorine, Cl ₂ H ⁺ , with H ₂ (D ₂) and CH ₄ . A mass spectrometric and theoretical study. <i>Chemical Physics Letters</i> , 1999, 304, 191-196. | 2.6 | 10 |
| 62 | Gaseous [H ₃ C ⁺ Cl ⁺ Cl] ⁺ Ions from the Reaction of Methane with Cl ₃ ⁺ , the First Example of a New Dihalogenation Process: Formation and Characterization of CH ₃ Cl ₂ ⁺ Isomers by Experimental and Theoretical Methods. <i>Chemistry - A European Journal</i> , 1999, 5, 2750-2756. | 3.3 | 15 |
| 63 | Ionization of Ozone/Chlorofluorocarbon Mixtures in Atmospheric Gases: Formation and Dissociation of [CHX ₂ O ₃] ⁺ Complexes (X=Cl, F). <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2408-2410. | 13.8 | 11 |
| 64 | Experimental Detection of Hydrogen Trioxide. <i>Science</i> , 1999, 285, 81-82. | 12.6 | 105 |
| 65 | Gaseous Trihalogen Cations. Formation, Structure and Reactivity of Cl ₃ ⁺ and Cl ₂ F ⁺ Ions from a Joint ab Initio and FT-ICR Study. <i>Journal of Physical Chemistry A</i> , 1999, 103, 2128-2133. | 2.5 | 10 |
| 66 | Protonation-induced ligand switching within NO ₂ ⁺ bound clusters. <i>Chemical Physics Letters</i> , 1998, 285, 366-372. | 2.6 | 2 |
| 67 | Gas-phase positive and negative ion chemistry of methyl hydroperoxide. <i>Inorganica Chimica Acta</i> , 1998, 275-276, 192-202. | 2.4 | 6 |
| 68 | Gaseous Cl ₃ ⁺ and Cl ₂ F ⁺ cations. a joint mass spectrometric and theoretical study. <i>Rapid Communications in Mass Spectrometry</i> , 1998, 12, 1911-1913. | 1.5 | 5 |
| 69 | XeNO ₃ ⁺ : A Gaseous Cation Characterized by a Remarkably Strong Xe ⁺ O Bond. <i>Journal of Physical Chemistry A</i> , 1998, 102, 5831-5836. | 2.5 | 14 |
| 70 | Elemental Chlorine and Chlorine Fluoride: Theoretical and Experimental Proton Affinity and the Gas Phase Chemistry of Cl ₂ H ⁺ and FClH ⁺ Ions. <i>Journal of Physical Chemistry A</i> , 1998, 102, 10560-10567. | 2.5 | 11 |
| 71 | Isotope Exchange in Ionized O ₃ /O ₂ Mixtures: The Role of O ₅ ⁺ , a Unique O _n ⁺ Complex. <i>Inorganic Chemistry</i> , 1998, 37, 1398-1400. | 4.0 | 11 |
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| 74 | The Gas-Phase Reaction of Nitronium Ion with Ethylene. An Experimental and Theoretical Study. Journal of the American Chemical Society, 1996, 118, 12719-12723. | 13.7 | 7 |
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| 80 | Eine außergewöhnlich heftige molekulare Dissoziation: beispiellose Freisetzung kinetischer Energie beim Zerfall von HONF, einem einfach geladenen, metastabilen Ion. Angewandte Chemie, 1994, 106, 104-106. | 2.0 | 5 |
| 81 | The addition of NF ₂ to H ₂ O as a route to gaseous protonated F ₂ NOH. International Journal of Mass Spectrometry and Ion Processes, 1994, 130, 117-125. | 1.8 | 17 |
| 82 | A mass spectrometric study of gaseous H ₄ PO ₃ ⁺ and H ₂ PO ₃ ⁺ ions. International Journal of Mass Spectrometry and Ion Processes, 1994, 136, 155-166. | 1.8 | 4 |
| 83 | Experimental observation of stable cyanodiazonium ions, NC≡N ₂ ⁺ . Journal of the Chemical Society Chemical Communications, 1994, , 2173-2174. | 2.0 | 13 |
| 84 | Gas-phase ion chemistry of nitramide. A mass spectrometric and ab initio study of nitramide (H ₂ N-NO ₂) and the H ₂ N-NO ₂ ⁺ , [H ₂ N-NO ₂] ⁺ H, and [HN-NO ₂] ⁻ ions. Journal of the American Chemical Society, 1993, 115, 12398-12404. | 13.7 | 22 |