

Federico Pepi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/774173/publications.pdf>

Version: 2024-02-01

84
papers

1,387
citations

304743

22
h-index

414414

32
g-index

87
all docs

87
docs citations

87
times ranked

1441
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Detection of Hydrogen Trioxide. <i>Science</i> , 1999, 285, 81-82.	12.6	105
2	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
3	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
4	Essential oils extraction: a 24-hour steam distillation systematic methodology. <i>Natural Product Research</i> , 2017, 31, 2387-2396.	1.8	56
5	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
6	Surface Modification and Patterning Using Low-Energy Ion Beams: Si ⁺ O Bond Formation at the Vacuum/Adsorbate Interface. <i>Analytical Chemistry</i> , 2002, 74, 317-323.	6.5	40
7	Electron-Transfer Kinetics of Microperoxidase-11 Covalently Immobilised onto the Surface of Multi-Walled Carbon Nanotubes by Reactive Landing of Mass-Selected Ions. <i>Chemistry - A European Journal</i> , 2009, 15, 7359-7367.	3.3	40
8	Ionic Fluorination of Carbon Monoxide as a Route to Gasphase Carbonylation of Inert C ₁ H and Ni ₁ H Bonds. <i>Chemistry - A European Journal</i> , 1996, 2, 495-501.	3.3	35
9	Gas-phase NO ⁺ affinities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 3507-3512.	7.1	35
10	Soft-Landed Protein Voltammetry: A Tool for Redox Protein Characterization. <i>Analytical Chemistry</i> , 2008, 80, 5937-5944.	6.5	35
11	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
12	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
13	Essential Oil Extraction, Chemical Analysis and Anti- <i>Candida</i> 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
14	Collisions of Silylium Cations with Hydroxyl-Terminated and Other Self-Assembled Monolayer Surfaces: A Reactions, Dissociation, and Surface Characterization. <i>Journal of Physical Chemistry B</i> , 2000, 104, 11230-11237.	2.6	26
15	Gaseous Fluorodiazonium Ions. Experimental and Theoretical Study on Formation and Structure of FN ₂ ⁺ . <i>Inorganic Chemistry</i> , 1995, 34, 1325-1332.	4.0	25
16	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
17	An Extraordinarily Violent Molecular Dissociation: The Unprecedented Kinetic Energy Release in the Decomposition of HONF ⁺ , a Singly Charged Metastable Ion. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 123-125.	4.4	24
18	Soft landed protein voltammetry. <i>Chemical Communications</i> , 2007, , 3494.	4.1	23

#	ARTICLE	IF	CITATIONS
19	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
20	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. <i>Journal of the American Chemical Society</i> , 1993, 115, 12398-12404.	13.7	22
21	Gas-phase nitronium ion affinities.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 8635-8639.	7.1	22
22	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
23	Novel Symmetrical Benzazolyl Derivatives Endowed with Potent Anti-Heparanase Activity. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 10834-10859.	6.4	19
24	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
25	Direct Experimental Evidence for the H ₂ O+O ₂ ⁺ Charge Transfer Complex: Crucial Support to Atmospheric Photonucleation Theory. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 367-369.	13.8	18
26	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
27	The addition of NF ₂ ⁺ to H ₂ O as a route to gaseous protonated F ₂ NOH. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1994, 130, 117-125.	1.8	17
28	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
29	<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
30	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
31	Ionization of Ozone/Chlorofluorocarbon Mixtures in Atmospheric Gases: Formation and Remarkable Dissociation of [CHXYO ₃] ⁺ Complexes (X= H, Cl, F; Y= Cl, F). <i>Chemistry - A European Journal</i> , 2000, 6, 2572-2581.	3.3	15
32	Furofuranic glycosylated lignans: a gas-phase ion chemistry investigation by tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 3382-3392.	1.5	15
33	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
34	Sulfur hexafluoride corona discharge decomposition: gas-phase ion chemistry of SOF _x ⁺ (x=1-3) ions. <i>Chemical Physics Letters</i> , 2003, 381, 168-176.	2.6	14
35	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
36	Experimental observation of stable cyanodiazonium ions, NC ⁺ N ₂ ⁺ . <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 2173-2174.	2.0	13

#	ARTICLE	IF	CITATIONS
37	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
38	Thionyl Fluoride from Sulfur Hexafluoride Corona Discharge Decomposition: Gas-Phase Chemistry of [SOF ₂] ⁺ H ⁺ Ions. <i>Journal of Physical Chemistry A</i> , 2002, 106, 9261-9266.	2.5	12
39	Gas-Phase Proton Affinity of Nitric Acid and Its Esters. A Mass Spectrometric and ab Initio Study on the Existence and the Relative Stability of Two Isomers of Protonated Ethyl Nitrate. <i>The Journal of Physical Chemistry</i> , 1996, 100, 16522-16529.	2.9	11
40	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
41	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
42	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
43	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
44	The Mechanism of 2-Furaldehyde Formation from D-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
45	Antibacterial activity of essential oils mixture against PSA. <i>Natural Product Research</i> , 2016, 30, 412-418.	1.8	11
46	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
47	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
48	Gas phase protonation of trifluoromethyl sulfur pentafluoride. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 1181.	2.8	10
49	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
50	Gas-phase Ion Chemistry of BF ₃ /HN ₃ Mixtures: The First Observation of [BF _n N _x H _{n-1}] ⁺ (n= 1, 2;x= 1, 3) Ions. <i>Journal of Physical Chemistry B</i> , 2006, 110, 4492-4499.	2.6	9
51	Synthesis and characterization of two new triads with ferrocene and C ₆₀ connected by triple bonds to the beta-positions of meso-tetraphenylporphyrin. <i>Journal of Porphyrins and Phthalocyanines</i> , 2017, 21, 364-370.	0.8	9
52	<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
53	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
54	Gaseous [N ₂ O ₅] ⁺ H ⁺ , [N ₂ O ₄] ⁺ H ⁺ , and Related Species from the Addition of NO ₂ ⁺ and NO ⁺ Ions to Nitric Acid and Its Derivatives. <i>Journal of Physical Chemistry A</i> , 1998, 102, 1987-1994.	2.5	8

#	ARTICLE	IF	CITATIONS
55	Gas-Phase Chemistry of NH_xCl_y^+ Ions. 3. Structure, Stability, and Reactivity of Protonated Trichloramine. <i>Journal of Physical Chemistry A</i> , 2003, 107, 2085-2092.	2.5	8
56	Gaseous $\text{H}_5\text{P}_2\text{O}_8^-$ Ions: A Theoretical and Experimental Study on the Hydrolysis and Synthesis of Diphosphate Ion. <i>Chemistry - A European Journal</i> , 2004, 10, 5706-5716.	3.3	8
57	Low-energy collisionally activated dissociation of pentose-borate complexes. <i>International Journal of Mass Spectrometry</i> , 2010, 289, 76-83.	1.5	8
58	Characterization of naproxen-polymer conjugates for drug-delivery. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016, 27, 69-85.	3.5	8
59	The Gas-Phase Reaction of Nitronium Ion with Ethylene. An Experimental and Theoretical Study. <i>Journal of the American Chemical Society</i> , 1996, 118, 12719-12723.	13.7	7
60	Gas-phase ion chemistry of BF_3/CH_4 mixtures: Activation of methane by C_2H_2^+ . <i>Chemical Physics Letters</i> , 2001, 339, 71-76.	2.6	7
61	Reactivity of transition metal dioxide anions MO_2^- ($\text{M} = \text{Co}, \text{Ni}, \text{Cu}, \text{Zn}$) with sulfur dioxide in the gas phase: An experimental and theoretical study. <i>Chemical Physics Letters</i> , 2021, 776, 138555.	2.6	7
62	Gas-phase positive and negative ion chemistry of methyl hydroperoxide. <i>Inorganica Chimica Acta</i> , 1998, 275-276, 192-202.	2.4	6
63	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
64	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
65	Eine auergewhnlich heftige molekulare Dissoziation: beispiellose Freisetzung kinetischer Energie beim Zerfall von HONF^+ , einem einfach geladenen, metastabilen Ion. <i>Angewandte Chemie</i> , 1994, 106, 104-106.	2.0	5
66	Gaseous Cl_3^+ and Cl_2F^+ cations. a joint mass spectrometric and theoretical study. <i>Rapid Communications in Mass Spectrometry</i> , 1998, 12, 1911-1913.	1.5	5
67	Gas-phase fluorination of acetylene by XeF^+ : Formation, structure and reactivity of $\text{C}_2\text{H}_2\text{F}^+$ isomeric ions. <i>Chemical Physics Letters</i> , 2001, 339, 71-76.	2.6	5
68	The Diphosphate Monoanion in the Gas Phase: A Joint Mass Spectrometric and Theoretical Study. <i>Chemistry - A European Journal</i> , 2004, 10, 840-850.	3.3	5
69	Gas-Phase Ion Chemistry of BF_3/NH_3 Mixtures. <i>Journal of Physical Chemistry A</i> , 2006, 110, 12427-12433.	2.5	5
70	Effect of Alkali Metal Coordination on Gas-Phase Chemistry of the Diphosphate Ion: The $\text{MH}_2\text{P}_2\text{O}_7^-$ Ions. <i>Chemistry - A European Journal</i> , 2006, 12, 2787-2797.	3.3	5
71	Gas-Phase Chemistry of Diphosphate Anions as a Tool To Investigate the Intrinsic Requirements of Phosphate Ester Enzymatic Reactions: The $[\text{M}_1\text{M}_2\text{HP}_2\text{O}_7]^-$ Ions. <i>Chemistry - A European Journal</i> , 2007, 13, 2096-2108.	3.3	5
72	A tandem mass spectrometric investigation of the low-energy collision-activated fragmentation of <i>neo-clerodane</i> diterpenes. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1543-1556.	1.5	5

#	ARTICLE	IF	CITATIONS
73	Gas-phase basicity of 2-furaldehyde. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1488-1494.	1.6	5
74	A mass spectrometric study of gaseous H_4PO_3 and $H_2PO_3^-$ ions. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1994, 136, 155-166.	1.8	4
75	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
76	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
77	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
78	Gas-phase structures and thermochemical properties of protonated 5-HMF isomers. <i>International Journal of Mass Spectrometry</i> , 2020, 447, 116237.	1.5	4
79	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
80	Intracluster Sulphur Dioxide Oxidation by Sodium Chlorite Anions: A Mass Spectrometric Study. <i>Molecules</i> , 2021, 26, 7114.	3.8	4
81	Accelerated α -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
82	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
83	Protonation-induced ligand switching within NO_2^+ bound clusters. <i>Chemical Physics Letters</i> , 1998, 285, 366-372.	2.6	2
84	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