

Caterina Frascchetti

List of Publications by Year in descending order

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docs citations

55
times ranked

857
citing authors

#	ARTICLE	IF	CITATIONS
1	Chromatographic Analyses, In Vitro Biological Activities, and Cytotoxicity of Cannabis sativa L. Essential Oil: A Multidisciplinary Study. <i>Molecules</i> , 2018, 23, 3266.	1.7	99
2	Satureja montana L. essential oil and its antimicrobial activity alone or in combination with gentamicin. <i>Microbial Pathogenesis</i> , 2019, 126, 323-331.	1.3	45
3	Satureja montana L. Essential Oils: Chemical Profiles/Phytochemical Screening, Antimicrobial Activity and O/W NanoEmulsion Formulations. <i>Pharmaceutics</i> , 2020, 12, 7.	2.0	43
4	Protonated pyrimidine nucleosides probed by IRMPD spectroscopy. <i>International Journal of Mass Spectrometry</i> , 2013, 354-355, 54-61.	0.7	39
5	Cannabis sativa L. Inflorescences from Monoecious Cultivars Grown in Central Italy: An Untargeted Chemical Characterization from Early Flowering to Ripening. <i>Molecules</i> , 2020, 25, 1908.	1.7	38
6	Gas-phase enantioselective reactions in noncovalent ion-molecule complexes. <i>Chirality</i> , 2009, 21, 69-86.	1.3	29
7	Chirality Effects on the IRMPD Spectra of Basket Resorcinarene/Nucleoside Complexes. <i>Chemistry - A European Journal</i> , 2012, 18, 8320-8328.	1.7	29
8	Phytochemical and biological characterization of Italian "sedano bianco di Sperlonga" Protected Geographical Indication celery ecotype: A multimethodological approach. <i>Food Chemistry</i> , 2020, 309, 125649.	4.2	25
9	Chemical and Bioinformatics Analyses of the Anti-Leishmanial and Anti-Oxidant Activities of Hemp Essential Oil. <i>Biomolecules</i> , 2021, 11, 272.	1.8	24
10	Cyclochiral resorcin[4]arenes as effective enantioselectors in the gas phase. <i>Journal of Mass Spectrometry</i> , 2012, 47, 72-78.	0.7	22
11	Bis(diamido)-bridged Basket Resorcin[4]arenes as Enantioselective Receptors for Amino Acids and Amines. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 5995-6002.	1.2	20
12	Spectroscopic evidence for a gas-phase librating G-quartet Na ⁺ complex. <i>Chemical Communications</i> , 2014, 50, 14767-14770.	2.2	18
13	Role of Caryophyllane Sesquiterpenes in the Entourage Effect of Felina 32 Hemp Inflorescence Phytocomplex in Triple Negative MDA-MB-468 Breast Cancer Cells. <i>Molecules</i> , 2021, 26, 6688.	1.7	16
14	Protective Effects Induced by a Hydroalcoholic Allium sativum Extract in Isolated Mouse Heart. <i>Nutrients</i> , 2021, 13, 2332.	1.7	15
15	Interactions of vinca alkaloid subunits with chiral amido[4]resorcinarenes: a dynamic, kinetic, and spectroscopic study. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 1798.	1.5	13
16	Enantioselective supramolecular devices in the gas phase. Resorcin[4]arene as a model system. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 539-550.	1.3	12
17	Chemico-Biological Characterization of Torpedino Di Fondi® Tomato Fruits: A Comparison with San Marzano Cultivar at Two Ripeness Stages. <i>Antioxidants</i> , 2020, 9, 1027.	2.2	12
18	Modelling Amphetamine/Receptor Interactions: A Gas-phase Study of Complexes Formed between Amphetamine and Some Chiral Amido[4]resorcinarenes. <i>Chemistry - A European Journal</i> , 2008, 14, 3585-3595.	1.7	11

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19	Gas-Phase Enantioselectivity of Chiral <i>N</i> -Linked Peptidoresorcin[4]arene Isomers toward Dipeptides. <i>Journal of Physical Chemistry A</i> , 2009, 113, 14625-14629.	1.1	11
20	Gas-Phase Diastereoselectivity of Secondary 5-Substituted (X)-Adamant-2-yl (X = F, Si(CH ₃) ₃) Cations. <i>Journal of Organic Chemistry</i> , 2007, 72, 4077-4083.	1.7	10
21	Structure and Conformation of Protonated d-(+)-Biotin in the Unsolvated State. <i>Journal of Physical Chemistry B</i> , 2015, 119, 6198-6203.	1.2	10
22	Unprecedented gas-phase chiroselective logic gates. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1717.	1.5	9
23	Gas-phase structure and relative stability of proton-bound homo- and heterochiral clusters of tetra-amide macrocycles with amines. <i>Collection of Czechoslovak Chemical Communications</i> , 2009, 74, 275-297.	1.0	9
24	Substituent stereochemistry effects on diastereoselective methylation reaction of 4-chloroadamantan-2-ones. <i>Tetrahedron Letters</i> , 2008, 49, 6065-6067.	0.7	8
25	Gaseous- versus solution-phase recognition of some aromatic amino esters by 2,8,14,20-tetrakis(L-valinamido)[4]resorcinarene. <i>International Journal of Mass Spectrometry</i> , 2007, 267, 24-29.	0.7	7
26	Towards enzyme-like enantioselectivity in the gas phase: conformational control of selectivity in chiral macrocyclic dimers. <i>Chemical Communications</i> , 2009, , 5430.	2.2	7
27	Unexpected Behavior of Diastereomeric Ions in the GasPhase: A Stimulus for Pondering on <i>ee</i> Measurements by ESI-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 573-578.	1.2	7
28	Spectroscopic Discrimination of Diastereomeric Complexes Involving an Axially Chiral Receptor. <i>ChemPhysChem</i> , 2017, 18, 2475-2481.	1.0	7
29	Gas-Phase Facial Diastereoselectivity of Equatorial and Axial 4-Chloro-adamant-2-yl Cations. <i>Journal of Organic Chemistry</i> , 2009, 74, 5135-5144.	1.7	6
30	Diastereoselective gas-phase ion/molecule reactions of ethanolamine neurotransmitter/amido[4]resorcinarene adducts. <i>International Journal of Mass Spectrometry</i> , 2010, 291, 84-89.	0.7	6
31	Multifunctional Macrocyclic Receptors as Templates for Aromatic Amino Acids: A Rare Example of a Highly Selective Multi-Input Multi-Output Chemo-Logic Gate. <i>ChemPlusChem</i> , 2013, 78, 979-987.	1.3	6
32	Role of the solvent on the stability of cycloserine under ESI-MS conditions. <i>Journal of Mass Spectrometry</i> , 2014, 49, 608-612.	0.7	6
33	Real time evolution of unprotected protonated galactosamine probed by IRMPD spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 8737-8743.	1.3	6
34	Coriander (<i>Coriandrum sativum</i>) Essential Oil: Effect on Multidrug Resistant Uropathogenic <i>Escherichia coli</i> . <i>Natural Product Communications</i> , 2017, 12, 623-626.	0.2	6
35	Fast stereoselective reactions in electrosprayed Co(II)/neurotransmitter nanodroplets. <i>Chemical Communications</i> , 2008, , 2544.	2.2	5
36	Reaction diastereoselectivity of chiral aminoalcohols/[Co(II)NO ₃] ⁺ complexes in evaporating ESI nanodroplets: new insights from a joint experimental and computational investigation. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1038-1046.	0.7	5

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37	The "Bridge" Game: Role of the Fourth Player in Chiral Recognition. <i>Chemistry - A European Journal</i> , 2011, 17, 3078-3081.	1.7	5
38	Ultraviolet and infrared spectroscopy of neutral and ionic non-covalent diastereomeric complexes in the gas phase. <i>Rendiconti Lincei</i> , 2013, 24, 259-267.	1.0	5
39	Isomerism of Cycloserine and Its Protonated Form. <i>ChemPlusChem</i> , 2014, 79, 584-591.	1.3	5
40	Molecular Properties of Bare and Microhydrated Vitamin B5-Calcium Complexes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 692.	1.8	5
41	Does a chiral alcohol really racemize when its OH group is protected with Boyer's reaction?. <i>Chirality</i> , 2010, 22, 88-91.	1.3	4
42	Protonated Hexaazamacrocycles as Selective K^{+} Receptors. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 1186-1190.	1.2	4
43	Intramolecular n-type proton/hydrogen network in basic structures of vitamin B6 investigated by IRMPD spectroscopy. <i>International Journal of Mass Spectrometry</i> , 2019, 438, 148-156.	0.7	4
44	Substituent Effects on the Stereochemistry of Gas-Phase Intracomplex Nucleophilic Substitutions. <i>Chemistry - A European Journal</i> , 2006, 12, 7913-7919.	1.7	3
45	Contact Ion Pairs on a Protonated Azamacrocycle: the Role of the Anion Basicity. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 615-621.	1.2	3
46	Kinetic enantioselectivity of a protonated bis(diamido)-bridged basket resorcin[4]arene towards alanine peptides. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 1183-1189.	1.5	3
47	Binding Motifs in the Naked Complexes of Target Amino Acids with an Excerpt of Antitumor Active Biomolecule: An Ion Vibrational Spectroscopy Assay. <i>Chemistry - A European Journal</i> , 2021, 27, 2348-2360.	1.7	3
48	Facial control of gas-phase enantioselectivity of strapped tetra-amide macrocycles. <i>Rendiconti Lincei</i> , 2011, 22, 191-199.	1.0	2
49	Enantioselective Supramolecular Carriers for Nucleoside Drugs. A Thermodynamic and Kinetic Gas Phase Investigation. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 1778-1785.	1.2	2
50	Reactivity of contact ion pairs in a charged monotopic receptor. <i>International Journal of Mass Spectrometry</i> , 2017, 418, 198-203.	0.7	2
51	Electronic structure and conformational flexibility of d-cycloserine. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25845-25853.	1.3	1
52	Boyer's Reaction and Transesterification: Mechanism and New Perspectives. <i>Chirality</i> , 2016, 28, 269-275.	1.3	1
53	Unprotected Galactosamine as a Dynamic Key for a Cyclochiral Lock. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 736-743.	1.2	0