# Caterina Fraschetti

List of Publications by Year
in descending order



| 53 | 693 | 623188 | 610482 |
|---|---|---|---|
| papers | citations | 14 h-index | 24 g-index |

| 55 | 55 | 55 | 857 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Binding Motifs in the Naked Complexes of Target Amino Acids with an Excerpt of Antitumor Active Biomolecule: An Ion Vibrational Spectroscopy Assay. Chemistry - A European Journal, 2021, 27, 2348-2360. | 1.7 | 3 |
| 2 | Molecular Properties of Bare and Microhydrated Vitamin B5â€“Calcium Complexes. International Journal of Molecular Sciences, 2021, 22, 692. | 1.8 | 5 |
| 3 | Unprotected Galactosamine as a Dynamic Key for a Cyclochiral Lock. Journal of the American Society for Mass Spectrometry, 2021, 32, 736-743. | 1.2 | 0 |
| 4 | Chemical and Bioinformatics Analyses of the Anti-Leishmanial and Anti-Oxidant Activities of Hemp Essential Oil. Biomolecules, 2021, 11, 272. | 1.8 | 24 |
| 5 | Protective Effects Induced by a Hydroalcoholic Allium sativum Extract in Isolated Mouse Heart. Nutrients, 2021, 13, 2332. | 1.7 | 15 |
| 6 | Role of Caryophyllane Sesquiterpenes in the Entourage Effect of Felina 32 Hemp Inflorescence Phytocomplex in Triple Negative MDA-MB-468 Breast Cancer Cells. Molecules, 2021, 26, 6688. | 1.7 | 16 |
| 7 | Phytochemical and biological characterization of Italian â€œsedano bianco di Sperlongaâ€•Protected Geographical Indication celery ecotype: A multimethodological approach. Food Chemistry, 2020, 309, 125649. | 4.2 | 25 |
| 8 | Satureja montana L. Essential Oils: Chemical Profiles/Phytochemical Screening, Antimicrobial Activity and O/W NanoEmulsion Formulations. Pharmaceutics, 2020, 12, 7. | 2.0 | 43 |
| 9 | Chemico-Biological Characterization of Torpedino Di FondiÂ® Tomato Fruits: A Comparison with San Marzano Cultivar at Two Ripeness Stages. Antioxidants, 2020, 9, 1027. | 2.2 | 12 |
| 10 | Cannabis sativa L. Inflorescences from Monoecious Cultivars Grown in Central Italy: An Untargeted Chemical Characterization from Early Flowering to Ripening. Molecules, 2020, 25, 1908. | 1.7 | 38 |
| 11 | Satureja montana L. essential oil and its antimicrobial activity alone or in combination with gentamicin. Microbial Pathogenesis, 2019, 126, 323-331. | 1.3 | 45 |
| 12 | Intramolecular n-type proton/hydrogen network in basic structures of vitamin B6 investigated by IRMPD spectroscopy. International Journal of Mass Spectrometry, 2019, 438, 148-156. | 0.7 | 4 |
| 13 | Real time evolution of unprotected protonated galactosamine probed by IRMPD spectroscopy. Physical Chemistry Chemical Physics, 2018, 20, 8737-8743. | 1.3 | 6 |
| 14 | Chromatographic Analyses, In Vitro Biological Activities, and Cytotoxicity of Cannabis sativa L. Essential Oil: A Multidisciplinary Study. Molecules, 2018, 23, 3266. | 1.7 | 99 |
| 15 | Kinetic enantioselectivity of a protonated bis(diamido)-bridged basket resorcin[4]arene towards alanine peptides. Organic and Biomolecular Chemistry, 2017, 15, 1183-1189. | 1.5 | 3 |
| 16 | Spectroscopic Discrimination of Diastereomeric Complexes Involving an Axially Chiral Receptor. ChemPhysChem, 2017, 18, 2475-2481. | 1.0 | 7 |
| 17 | Reactivity of contact ion pairs in a charged monotopic receptor. International Journal of Mass Spectrometry, 2017, 418, 198-203. | 0.7 | 2 |
| 18 | Coriander (Coriandrum sativum) Essential Oil: Effect on Multidrug Resistant Uropathogenic Escherichia coli. Natural Product Communications, 2017, 12, 623-626. | 0.2 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Boyer's Reaction and Transetherification: Mechanism and New Perspectives. Chirality, 2016, 28, 269-275. | 1.3 | 1 |
| 20 | Contact Ion Pairs on a Protonated Azamacrocycle: the Role of the Anion Basicity. Journal of the American Society for Mass Spectrometry, 2016, 27, 615-621. | 1.2 | 3 |
| 21 | Electronic structure and conformational flexibility of d-cycloserine. Physical Chemistry Chemical Physics, 2015, 17, 25845-25853. | 1.3 | 1 |
| 22 | Protonated Hexaazamacrocycles as Selective K<sup>+</sup> Receptors. Journal of the American Society for Mass Spectrometry, 2015, 26, 1186-1190. | 1.2 | 4 |
| 23 | Structure and Conformation of Protonated d-(+)-Biotin in the Unsolvated State. Journal of Physical Chemistry B, 2015, 119, 6198-6203. | 1.2 | 10 |
| 24 | Role of the solvent on the stability of cycloserine under ESIâ€MS conditions. Journal of Mass Spectrometry, 2014, 49, 608-612. | 0.7 | 6 |
| 25 | Isomerism of Cycloserine and Its Protonated Form. ChemPlusChem, 2014, 79, 584-591. | 1.3 | 5 |
| 26 | Spectroscopic evidence for a gas-phase librating G-quartetâ€“Na+ complex. Chemical Communications, 2014, 50, 14767-14770. | 2.2 | 18 |
| 27 | Unexpected Behavior of Diastereomeric Ions in the GasPhase: A Stimulus for Pondering on ee Measurements by ESI-MS. Journal of the American Society for Mass Spectrometry, 2013, 24, 573-578. | 1.2 | 7 |
| 28 | Ultraviolet and infrared spectroscopy of neutral and ionic non-covalent diastereomeric complexes in the gas phase. Rendiconti Lincei, 2013, 24, 259-267. | 1.0 | 5 |
| 29 | Protonated pyrimidine nucleosides probed by IRMPD spectroscopy. International Journal of Mass Spectrometry, 2013, 354-355, 54-61. | 0.7 | 39 |
| 30 | Multifunctional Macrocyclic Receptors as Templates for Aromatic Amino Acids: A Rare Example of a Highly Selective Multiâ€Input Multiâ€Output Chemoâ€â€œLogic Gateâ€• ChemPlusChem, 2013, 78, 979-987. | 1.3 | 6 |
| 31 | Enantioselective Supramolecular Carriers for Nucleoside Drugs. A Thermodynamic and Kinetic Gas Phase Investigation. Journal of the American Society for Mass Spectrometry, 2012, 23, 1778-1785. | 1.2 | 2 |
| 32 | Enantioselective supramolecular devices in the gas phase. Resorcin[4]arene as a model system. Beilstein Journal of Organic Chemistry, 2012, 8, 539-550. | 1.3 | 12 |
| 33 | Chirality Effects on the IRMPD Spectra of Basket Resorcinarene/Nucleoside Complexes. Chemistry - A European Journal, 2012, 18, 8320-8328. | 1.7 | 29 |
| 34 | Cyclochiral resorcin[4]arenes as effective enantioselectors in the gas phase. Journal of Mass Spectrometry, 2012, 47, 72-78. | 0.7 | 22 |
| 35 | Unprecedented gas-phase chiroselective logic gates. Organic and Biomolecular Chemistry, 2011, 9, 1717. | 1.5 | 9 |
| 36 | Facial control of gas-phase enantioselectivity of strapped tetra-amide macrocycles. Rendiconti Lincei, 2011, 22, 191-199. | 1.0 | 2 |

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|---|---|---|---|
| 37 | The â€œBridgeâ€•Game: Role of the Fourth Player in Chiral Recognition. Chemistry - A European Journal, 2011, 17, 3078-3081. | 1.7 | 5 |
| 38 | Does a chiral alcohol really racemize when its OH group is protected with Boyer's reaction?. Chirality, 2010, 22, 88-91. | 1.3 | 4 |
| 39 | Diastereoselective gas-phase ion/molecule reactions of ethanolamine neurotransmitter/amido[4]resorcinarene adducts. International Journal of Mass Spectrometry, 2010, 291, 84-89. | 0.7 | 6 |
| 40 | Gas-Phase Enantioselectivity of Chiral N-Linked Peptidoresorc[4]arene Isomers toward Dipeptides. Journal of Physical Chemistry A, 2009, 113, 14625-14629. | 1.1 | 11 |
| 41 | Gasâ€phase enantioselective reactions in noncovalent ionâ€molecule complexes. Chirality, 2009, 21, 69-86. | 1.3 | 29 |
| 42 | Reaction diastereoselectivity of chiral aminoalcohols/[Co(II)NO<sub>3</sub>]<sup>+</sup> complexes in evaporating ESI nanodroplets: new insights from a joint experimental and computational investigation. Journal of Mass Spectrometry, 2009, 44, 1038-1046. | 0.7 | 5 |
| 43 | Gas-Phase Facial Diastereoselectivity of Equatorial and Axial 4-Chloro-adamant-2-yl Cations. Journal of Organic Chemistry, 2009, 74, 5135-5144. | 1.7 | 6 |
| 44 | Towards enzyme-like enantioselectivity in the gas phase: conformational control of selectivity in chiral macrocyclic dimers. Chemical Communications, 2009, , 5430. | 2.2 | 7 |
| 45 | Interactions of vinca alkaloid subunits with chiral amido[4]resorcinarenes: a dynamic, kinetic, and spectroscopic study. Organic and Biomolecular Chemistry, 2009, 7, 1798. | 1.5 | 13 |
| 46 | Gas-phase structure and relative stability of proton-bound homo- and heterochiral clusters of tetra-amide macrocycles with amines. Collection of Czechoslovak Chemical Communications, 2009, 74, 275-297. | 1.0 | 9 |
| 47 | Modelling Amphetamine/Receptor Interactions: A Gasâ€Phase Study of Complexes Formed between Amphetamine and Some Chiral Amido[4]resorcinarenes. Chemistry - A European Journal, 2008, 14, 3585-3595. | 1.7 | 11 |
| 48 | Substituent stereochemistry effects on diastereoselective methylation reaction of 4-chloroadamantan-2-ones. Tetrahedron Letters, 2008, 49, 6065-6067. | 0.7 | 8 |
| 49 | Fast stereoselective reactions in electrosprayed Co(ii)/neurotransmitter nanodroplets. Chemical Communications, 2008, , 2544. | 2.2 | 5 |
| 50 | Gas-Phase Diastereoselectivity of Secondary 5-Substituted (X)-Adamant-2-yl (X = F, Si(CH3)3) Cations. Journal of Organic Chemistry, 2007, 72, 4077-4083. | 1.7 | 10 |
| 51 | Bis(diamido)â€Bridged Basket Resorcin[4]arenes as Enantioselective Receptors for Amino Acids and Amines. European Journal of Organic Chemistry, 2007, 2007, 5995-6002. | 1.2 | 20 |
| 52 | Gaseous- versus solution-phase recognition of some aromatic amino esters by 2,8,14,20-tetrakis(L-valinamido)[4]resorcinarene. International Journal of Mass Spectrometry, 2007, 267, 24-29. | 0.7 | 7 |
| 53 | Substituent Effects on the Stereochemistry of Gas-Phase Intracomplex Nucleophilic Substitutions. Chemistry - A European Journal, 2006, 12, 7913-7919. | 1.7 | 3 |