

Francesco Caruso

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,137
citations

430874

18
h-index

377865

34
g-index

41
all docs

41
docs citations

41
times ranked

1866
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Mechanism of Caspase-1 Inhibition by Four Anti-inflammatory Drugs Used in COVID-19 Treatment. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1849. | 4.1 | 6 |
| 2 | Antioxidant properties of bee propolis and an important component, galangin, described by X-ray crystal structure, DFT-D and hydrodynamic voltammetry. <i>PLoS ONE</i> , 2022, 17, e0267624. | 2.5 | 8 |
| 3 | Antioxidant studies by hydrodynamic voltammetry and DFT, quantitative analyses by HPLC-DAD of clovamide, a natural phenolic compound found in <i>Theobroma Cacao L.</i> beans. <i>Food Chemistry</i> , 2021, 341, 128260. | 8.2 | 11 |
| 4 | In Vitro Analysis of the Antioxidant and Antiviral Activity of Embelin against Herpes Simplex Virus-1. <i>Microorganisms</i> , 2021, 9, 434. | 3.6 | 12 |
| 5 | Mechanistic Insights into the Inhibition of SARS-CoV-2 Main Protease by Clovamide and Its Derivatives: In Silico Studies. <i>Biophysica</i> , 2021, 1, 377-404. | 1.4 | 6 |
| 6 | X-ray Structure Determination, Antioxidant Voltammetry Studies of Butein and 2,4-Dihydroxy-3,4-dimethoxychalcone. Computational Studies of 4 Structurally Related 2,4-diOH Chalcones to Examine Their Antimalarial Activity by Binding to Falcipain-2. <i>Molecules</i> , 2021, 26, 6511. | 3.8 | 6 |
| 7 | The Grapefruit Effect: Interaction between Cytochrome P450 and Coumarin Food Components, Bergamottin, Fraxidin and Osthole. X-ray Crystal Structure and DFT Studies. <i>Molecules</i> , 2020, 25, 3158. | 3.8 | 9 |
| 8 | Computational studies reveal mechanism by which quinone derivatives can inhibit SARS-CoV-2. Study of embelin and two therapeutic compounds of interest, methyl prednisolone and dexamethasone. <i>Journal of Infection and Public Health</i> , 2020, 13, 1868-1877. | 4.1 | 34 |
| 9 | Interrelated Mechanism by Which the Methide Quinone Celastrol, Obtained from the Roots of <i>Tripterygium wilfordii</i> , Inhibits Main Protease 3CLpro of COVID-19 and Acts as Superoxide Radical Scavenger. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9266. | 4.1 | 16 |
| 10 | Antioxidant Properties of Embelin in Cell Culture. Electrochemistry and Theoretical Mechanism of Scavenging. Potential Scavenging of Superoxide Radical through the Cell Membrane. <i>Antioxidants</i> , 2020, 9, 382. | 5.1 | 32 |
| 11 | Emodin Scavenging of Superoxide Radical Includes π - π Interaction. X-Ray Crystal Structure, Hydrodynamic Voltammetry and Theoretical Studies. <i>Antioxidants</i> , 2020, 9, 194. | 5.1 | 17 |
| 12 | X-ray crystal structures, density functional theory and docking on deacetylase enzyme for antiproliferative activity of hispolon derivatives on HCT116 colon cancer. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 3805-3812. | 3.0 | 7 |
| 13 | Halogen bonds in N-bromosuccinimide and other N-halosuccinimides. <i>Structural Chemistry</i> , 2019, 30, 2205-2215. | 2.0 | 6 |
| 14 | Effective and Novel Application of Hydrodynamic Voltammetry to the Study of Superoxide Radical Scavenging by Natural Phenolic Antioxidants. <i>Antioxidants</i> , 2019, 8, 14. | 5.1 | 30 |
| 15 | X-ray Crystal Structure of Embelin and Its DFT Scavenging of Superoxide Radical. <i>Journal of Computational Chemistry</i> , 2018, 39, 1143-1148. | 3.3 | 11 |
| 16 | A structural and computational study of citrulline in biochemical reactions. <i>Structural Chemistry</i> , 2017, 28, 1581-1589. | 2.0 | 4 |
| 17 | Protection by extra virgin olive oil against oxidative stress in vitro and in vivo. Chemical and biological studies on the health benefits due to a major component of the Mediterranean diet. <i>PLoS ONE</i> , 2017, 12, e0189341. | 2.5 | 29 |
| 18 | The in vitro antitumor activity of arene-ruthenium(II) curcuminoid complexes improves when decreasing curcumin polarity. <i>Journal of Inorganic Biochemistry</i> , 2016, 162, 44-51. | 3.5 | 49 |

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|----|---|-----|-----------|
| 19 | Correlation between DFT calculated and X-ray structures from CSD, for Cu(II) and Cu(I) coordination spheres when coordinated to four acyclic amine ligands. A reconsideration of copper(II) planarity. <i>Journal of Coordination Chemistry</i> , 2014, 67, 3932-3939. | 2.2 | 0 |
| 20 | Synthesis, Characterization, and Antitumor Activity of Water-Soluble (Arene)ruthenium(II) Derivatives of 1,3-Dimethyl-4-acylpyrazolon-5-ato Ligands. First Example of Ru(arene)(ligand) Antitumor Species Involving Simultaneous Ru π -N7(guanine) Bonding and Ligand Intercalation to DNA. <i>Inorganic Chemistry</i> , 2014, 53, 3668-3677. | 4.0 | 49 |
| 21 | Potential Mechanism of the Anti-trypanosomal Activity of Organoruthenium Complexes with Bioactive Thiosemicarbazones. <i>Biological Trace Element Research</i> , 2013, 153, 371-381. | 3.5 | 52 |
| 22 | Halogen Bonding in (Z)-2-Iodocinnamaldehyde. <i>Molecules</i> , 2013, 18, 8712-8724. | 3.8 | 3 |
| 23 | Probing antioxidant activity of 2-hydroxychalcones: Crystal and molecular structures, in vitro antiproliferative studies and in vivo effects on glucose regulation. <i>Biochimie</i> , 2013, 95, 1954-1963. | 2.6 | 15 |
| 24 | Antioxidants in your diet: a new method to measure antioxidant effectiveness. <i>FASEB Journal</i> , 2013, 27, 577.1. | 0.5 | 0 |
| 25 | Comparison of Free Radical Scavenging Abilities of Various Chalcone Antioxidants. <i>FASEB Journal</i> , 2013, 27, 833.3. | 0.5 | 0 |
| 26 | Superoxide Scavenging by Natural Antioxidants studied using Cyclic Voltammetry. <i>FASEB Journal</i> , 2013, 27, 833.2. | 0.5 | 0 |
| 27 | Electrochemical Characterization of Superoxide Radical Chemistry and Scavenging by Natural Products. <i>FASEB Journal</i> , 2013, 27, 794.12. | 0.5 | 0 |
| 28 | A novel series of antitumor ruthenium β -diketonato compounds. <i>FASEB Journal</i> , 2013, 27, 975.5. | 0.5 | 1 |
| 29 | Ruthenium-Arene Complexes of Curcumin: X-Ray and Density Functional Theory Structure, Synthesis, and Spectroscopic Characterization, in Vitro Antitumor Activity, and DNA Docking Studies of (<i>p</i> -Cymene)Ru(curcuminato)chloro. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 1072-1081. | 6.4 | 202 |
| 30 | Antifungal Activity of Resveratrol against <i>Botrytis cinerea</i> Is Improved Using 2-Furyl Derivatives. <i>PLoS ONE</i> , 2011, 6, e25421. | 2.5 | 56 |
| 31 | Taurolidine Antiadhesive Properties on Interaction with <i>E. coli</i> ; Its Transformation in Biological Environment and Interaction with Bacteria Cell Wall. <i>PLoS ONE</i> , 2010, 5, e8927. | 2.5 | 29 |
| 32 | Inhibitory effect of β -diketones and their metal complexes on TNF- α induced expression of ICAM-1 on human endothelial cells. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 6166-6172. | 3.0 | 34 |
| 33 | Crystal and Molecular Structure of Manganese(II) Lapacholate, a Novel Polymeric Species Undergoing Temperature-Reversible Metal to Ligand Electron Transfer. <i>Inorganic Chemistry</i> , 2009, 48, 3529-3534. | 4.0 | 14 |
| 34 | Chemical Behavior and in Vitro Activity of Mixed Phosphine Gold(I) Compounds on Melanoma Cell Lines. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 1584-1591. | 6.4 | 22 |
| 35 | Crystal and Molecular Structure of Piceatannol; Scavenging Features of Resveratrol and Piceatannol on Hydroxyl and Peroxyl Radicals and Docking with Transthyretin. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 10557-10566. | 5.2 | 68 |
| 36 | Trans-cis octahedral interconversion pathway in diorganotin compounds. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 1535-1543. | 1.8 | 6 |

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|----|--|-----|-----------|
| 37 | Structural Basis for Antioxidant Activity of trans-Resveratrol: Ab Initio Calculations and Crystal and Molecular Structure. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 7279-7285. | 5.2 | 148 |
| 38 | Antitumor titanium compounds and related metallocenes. <i>Metal Ions in Biological Systems</i> , 2004, 42, 353-84. | 0.4 | 20 |
| 39 | Antitumor Activity of the Mixed Phosphine Gold Species Chlorotriphenylphosphine-1,3-bis(diphenylphosphino)propanegold(I). <i>Journal of Medicinal Chemistry</i> , 2003, 46, 1737-1742. | 6.4 | 62 |
| 40 | Molecular Structure and Activity Toward DNA of Baicalein, a Flavone Constituent of the Asian Herbal Medicine "Sho-saiko-to". <i>Journal of Natural Products</i> , 2001, 64, 26-31. | 3.0 | 32 |
| 41 | A Short Pb-Pb Separation in the Polymeric Compound Bis(pyrrolidinecarbodithioato)lead(II) and a Conformational Pathway Interconversion for the PbS ₄ Framework. <i>Inorganic Chemistry</i> , 1997, 36, 3609-3615. | 4.0 | 31 |