# GiosuÃ¨ Costa

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 89 papers | 2,294 citations | 172207 29 h-index | 264894 42 g-index |
| 93 all docs | 93 docs citations | 93 times ranked | 4055 citing authors |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 1 | Design and Development of Biomimetic Nanovesicles Using a Microfluidic Approach. Advanced Materials, 2018, 30, e1702749. | 11.1 | 100 |
| 2 | Identification and Characterization of New DNA G-Quadruplex Binders Selected by a Combination of Ligand and Structure-Based Virtual Screening Approaches. Journal of Medicinal Chemistry, 2013, 56, 843-855. | 2.9 | 81 |
| 3 | Current status of antivirals and druggable targets of SARS CoV-2 and other human pathogenic coronaviruses. Drug Resistance Updates, 2020, 53, 100721. | 6.5 | 80 |
| 4 | HCV Genotypes Are Differently Prone to the Development of Resistance to Linear and Macrocyclic Protease Inhibitors. PLoS ONE, 2012, 7, e39652. | 1.1 | 78 |
| 5 | Inhibition of Human Monoamine Oxidase: Biological and Molecular Modeling Studies on Selected Natural Flavonoids. Journal of Agricultural and Food Chemistry, 2016, 64, 9004-9011. | 2.4 | 74 |
| 6 | Mediterranean products as promising source of multi-target agents in the treatment of metabolic syndrome. European Journal of Medicinal Chemistry, 2020, 186, 111903. | 2.6 | 66 |
| 7 | New Structureâ€“Activity Relationships of A- and D-Ring Modified Steroidal Aromatase Inhibitors: Design, Synthesis, and Biochemical Evaluation. Journal of Medicinal Chemistry, 2012, 55, 3992-4002. | 2.9 | 60 |
| 8 | Specific HIV-1 integrase polymorphisms change their prevalence in untreated versus antiretroviral-treated HIV-1-infected patients, all naive to integrase inhibitors. Journal of Antimicrobial Chemotherapy, 2010, 65, 2305-2318. | 1.3 | 57 |
| 9 | Kaempferol as Selective Human MAO-A Inhibitor: Analytical Detection in Calabrian Red Wines, Biological and Molecular Modeling Studies. Journal of Agricultural and Food Chemistry, 2016, 64, 1394-1400. | 2.4 | 56 |
| 10 | 3-Acetyl-2,5-diaryl-2,3-dihydro-1,3,4-oxadiazoles: A New Scaffold for the Selective Inhibition of Monoamine Oxidase B. Journal of Medicinal Chemistry, 2011, 54, 6394-6398. | 2.9 | 55 |
| 11 | Hepatitis C Virus Genetic Variability and the Presence of NS5B Resistance-Associated Mutations as Natural Polymorphisms in Selected Genotypes Could Affect the Response to NS5B Inhibitors. Antimicrobial Agents and Chemotherapy, 2014, 58, 2781-2797. | 1.4 | 55 |
| 12 | New insights into the biological properties of Crocus sativus L.: chemical modifications, human monoamine oxidases inhibition and molecular modeling studies. European Journal of Medicinal Chemistry, 2014, 82, 164-171. | 2.6 | 55 |
| 13 | Bioactive compounds of Crocus sativus L. and their semi-synthetic derivatives as promising anti-Helicobacter pylori, anti-malarial and anti-leishmanial agents. Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 1027-1033. | 2.5 | 55 |
| 14 | SI113, a Specific Inhibitor of the Sgk1 Kinase Activity that Counteracts Cancer Cell Proliferation. Cellular Physiology and Biochemistry, 2015, 35, 2006-2018. | 1.1 | 53 |
| 15 | The Mediterranean Diet as source of bioactive compounds with multi-targeting anti-cancer profile. European Journal of Medicinal Chemistry, 2019, 181, 111579. | 2.6 | 51 |
| 16 | New raltegravir resistance pathways induce broad cross-resistance to all currently used integrase inhibitors. Journal of Antimicrobial Chemotherapy, 2014, 69, 2118-2122. | 1.3 | 50 |
| 17 | GRID-Based Three-Dimensional Pharmacophores II: PharmBench, a Benchmark Data Set for Evaluating Pharmacophore Elucidation Methods. Journal of Chemical Information and Modeling, 2012, 52, 2599-2608. | 2.5 | 36 |
| 18 | Molecular interaction fields in drug discovery: recent advances and future perspectives. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2013, 3, 594-613. | 6.2 | 36 |

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|---|---|---|---|
| 19 | ABCC transporters mediate the vacuolar accumulation of crocins in saffron stigmas. Plant Cell, 2019, 31, tpc.00193.2019. | 3.1 | 36 |
| 20 | Update on SARS-CoV-2 Omicron Variant of Concern and Its Peculiar Mutational Profile. Microbiology Spectrum, 2022, 10, e0273221. | 1.2 | 35 |
| 21 | In Silico Identification and Biological Evaluation of Novel Selective Serum/Glucocorticoid-Inducible Kinase 1 Inhibitors Based on the Pyrazolo-Pyrimidine Scaffold. Journal of Chemical Information and Modeling, 2014, 54, 1828-1832. | 2.5 | 34 |
| 22 | Identification of G-quadruplex DNA/RNA binders: Structure-based virtual screening and biophysical characterization. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1329-1340. | 1.1 | 33 |
| 23 | Different Evolution of Genotypic Resistance Profiles to Emtricitabine Versus Lamivudine in Tenofovir-Containing Regimens. Journal of Acquired Immune Deficiency Syndromes (1999), 2010, 55, 336-344. | 0.9 | 32 |
| 24 | Conformation and Stability of Intramolecular Telomeric G-Quadruplexes: Sequence Effects in the Loops. PLoS ONE, 2013, 8, e84113. | 1.1 | 32 |
| 25 | Aryl ethynyl anthraquinones: a useful platform for targeting telomeric G-quadruplex structures. Organic and Biomolecular Chemistry, 2014, 12, 3744-3754. | 1.5 | 31 |
| 26 | Targeting unimolecular G-quadruplex nucleic acids: a new paradigm for the drug discovery?. Expert Opinion on Drug Discovery, 2014, 9, 1167-1187. | 2.5 | 31 |
| 27 | Eriocitrin and Apigenin as New Carbonic Anhydrase VA Inhibitors from a Virtual Screening of Calabrian Natural Products. Planta Medica, 2015, 81, 533-540. | 0.7 | 31 |
| 28 | (Thiazol-2-yl)hydrazone derivatives from acetylpyridines as dual inhibitors of MAO and AChE: synthesis, biological evaluation and molecular modeling studies. Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 908-919. | 2.5 | 31 |
| 29 | Active Components of Essential Oils as Anti-Obesity Potential Drugs Investigated by in Silico Techniques. Journal of Agricultural and Food Chemistry, 2016, 64, 5295-5300. | 2.4 | 31 |
| 30 | Novel natural non-nucleoside inhibitors of HIV-1 reverse transcriptase identified by shape- and structure-based virtual screening techniques. European Journal of Medicinal Chemistry, 2019, 161, 1-10. | 2.6 | 31 |
| 31 | Synthesis of new 3-aryl-4,5-dihydropyrazole-1-carbothioamide derivatives. An investigation on their ability to inhibit monoamine oxidase. European Journal of Medicinal Chemistry, 2010, 45, 4490-4498. | 2.6 | 29 |
| 32 | Chromenone derivatives as a versatile scaffold with dual mode of inhibition of HIV-1 reverse transcriptase-associated Ribonuclease H function and integrase activity. European Journal of Medicinal Chemistry, 2019, 182, 111617. | 2.6 | 27 |
| 33 | Structure-Based Virtual Screening of Novel Natural Alkaloid Derivatives as Potential Binders of h-telo and c-myc DNA G-Quadruplex Conformations. Molecules, 2015, 20, 206-223. | 1.7 | 25 |
| 34 | Molecular recognition of a carboxy pyridostatin toward Gâ€quadruplex structures: Why does it prefer <scp>RNA</scp>?. Chemical Biology and Drug Design, 2017, 90, 919-925. | 1.5 | 25 |
| 35 | C-6Î±- vs C-7Î±-Substituted Steroidal Aromatase Inhibitors: Which Is Better? Synthesis, Biochemical Evaluation, Docking Studies, and Structureâ€“Activity Relationships. Journal of Medicinal Chemistry, 2019, 62, 3636-3657. | 2.9 | 25 |
| 36 | The Non-Coding RNA Landscape of Plasma Cell Dyscrasias. Cancers, 2020, 12, 320. | 1.7 | 24 |

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|---|---|---|---|
| 37 | Conformational studies and solvent-accessible surface area analysis of known selective DNA G-Quadruplex binders. Biochimie, 2011, 93, 1267-1274. | 1.3 | 23 |
| 38 | Identification and Structural Characterization of Novel Genetic Elements in the HIV-1 V3 Loop Regulating Coreceptor Usage. Antiviral Therapy, 2011, 16, 1035-1045. | 0.6 | 23 |
| 39 | The Polymorphisms of DNA G-Quadruplex Investigated by Docking Experiments with Telomestatin Enantiomers. Current Pharmaceutical Design, 2012, 18, 1873-1879. | 0.9 | 23 |
| 40 | Toward the design of new DNA G-quadruplex ligands through rational analysis of polymorphism and binding data. European Journal of Medicinal Chemistry, 2013, 68, 139-149. | 2.6 | 23 |
| 41 | Identification of New Natural DNA G-Quadruplex Binders Selected by a Structure-Based Virtual Screening Approach. Molecules, 2013, 18, 12051-12070. | 1.7 | 23 |
| 42 | A computer-assisted discovery of novel potential anti-obesity compounds as selective carbonic anhydrase VA inhibitors. European Journal of Medicinal Chemistry, 2019, 181, 111565. | 2.6 | 23 |
| 43 | A drug repurposing screening reveals a novel epigenetic activity of hydroxychloroquine. European Journal of Medicinal Chemistry, 2019, 183, 111715. | 2.6 | 23 |
| 44 | DJ-1 Proteoforms in Breast Cancer Cells: The Escape of Metabolic Epigenetic Misregulation. Cells, 2020, 9, 1968. | 1.8 | 23 |
| 45 | Chemoinformatic Database Building and in Silico Hit-Identification of Potential Multi-Targeting Bioactive Compounds Extracted from Mushroom Species. Molecules, 2017, 22, 1571. | 1.7 | 22 |
| 46 | Novel Compounds Targeting the RNA-Binding Protein HuR. Structure-Based Design, Synthesis, and Interaction Studies. ACS Medicinal Chemistry Letters, 2019, 10, 615-620. | 1.3 | 21 |
| 47 | Folding intermediate states of the parallel human telomeric G-quadruplex DNA explored using Well-Tempered Metadynamics. Scientific Reports, 2020, 10, 3176. | 1.6 | 21 |
| 48 | Design and Synthesis of New Transient Receptor Potential Vanilloid Type-1 (TRPV1) Channel Modulators: Identification, Molecular Modeling Analysis, and Pharmacological Characterization of the N-(4-Hydroxy-3-methoxybenzyl)-4-(thiophen-2-yl)butanamide, a Small Molecule Endowed with Agonist TRPV1 Activity and Protective Effects against Oxidative Stress. ACS Chemical Neuroscience, 2016, 7, 737-748. | 1.7 | 20 |
| 49 | Review about the multi-target profile of resveratrol and its implication in the SGK1 inhibition. European Journal of Medicinal Chemistry, 2019, 183, 111675. | 2.6 | 20 |
| 50 | In Silico Identification of Piperidinyl-amine Derivatives as Novel Dual Binders of Oncogene c-myc/c-Kit G-quadruplexes. ACS Medicinal Chemistry Letters, 2018, 9, 848-853. | 1.3 | 19 |
| 51 | Naphthalene diimide-polyamine hybrids as antiproliferative agents: Focus on the architecture of the polyamine chains. European Journal of Medicinal Chemistry, 2017, 128, 107-122. | 2.6 | 17 |
| 52 | Detecting and understanding genetic and structural features in HIV-1 B subtype V3 underlying HIV-1 co-receptor usage. Bioinformatics, 2013, 29, 451-460. | 1.8 | 16 |
| 53 | Computer-based techniques for lead identification and optimization I: Basics. Physical Sciences Reviews, 2019, 4, . | 0.8 | 16 |
| 54 | Key genetic elements, single and in clusters, underlying geographically dependent SARS-CoV-2 genetic adaptation and their impact on binding affinity for drugs and immune control. Journal of Antimicrobial Chemotherapy, 2021, 76, 396-412. | 1.3 | 16 |

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|---|---|---|---|
| 55 | A Comparative Docking Strategy to Identify Polyphenolic Derivatives as Promising Antineoplastic Binders of Gâ€quadruplex DNA câ€myc and bclâ€2 Sequences. Molecular Informatics, 2016, 35, 391-402. | 1.4 | 15 |
| 56 | Targeting multiple G-quadruplexâ€"forming DNA sequences: Design, biophysical and biological evaluations of indolo-naphthyridine scaffold derivatives. European Journal of Medicinal Chemistry, 2019, 182, 111627. | 2.6 | 15 |
| 57 | Pyrazolones Activate the Proteasome by Gating Mechanisms and Protect Neuronal Cells from Î²â€Amyloid Toxicity. ChemMedChem, 2020, 15, 302-316. | 1.6 | 15 |
| 58 | Molecular and structural aspects of clinically relevant mutations related to the approved non-nucleoside inhibitors of HIV-1 reverse transcriptase. Drug Resistance Updates, 2011, 14, 141-149. | 6.5 | 14 |
| 59 | Docking Analysis and Resistance Evaluation of Clinically Relevant Mutations Associated with the HIVâ€1 Nonâ€nucleoside Reverse Transcriptase Inhibitors Nevirapine, Efavirenz and Etravirine. ChemMedChem, 2011, 6, 2203-2213. | 1.6 | 14 |
| 60 | Hit Identification of a Novel Dual Binder for hâ€telo/câ€myc Gâ€Quadruplex by a Combination of Pharmacophore Structureâ€Based Virtual Screening and Docking Refinement. ChemMedChem, 2016, 11, 1721-1733. | 1.6 | 14 |
| 61 | Exploring new chemical functionalities to improve aromatase inhibition of steroids. Bioorganic and Medicinal Chemistry, 2016, 24, 2823-2831. | 1.4 | 13 |
| 62 | Pathway involving the N155H mutation in HIV-1 integrase leads to dolutegravir resistance. Journal of Antimicrobial Chemotherapy, 2018, 73, 1158-1166. | 1.3 | 13 |
| 63 | Simple Choline Esters as Potential Anti-Alzheimer Agents. Current Pharmaceutical Design, 2010, 16, 692-697. | 0.9 | 12 |
| 64 | Exploration of ligand binding modes towards the identification of compounds targeting HuR: a combined STD-NMR and Molecular Modelling approach. Scientific Reports, 2018, 8, 13780. | 1.6 | 12 |
| 65 | Molecular Recognition of Human Telomeric DNA by Phenanthroline-Based G-Quadruplex Ligands. Open Journal of Medicinal Chemistry, 2013, 03, 41-49. | 0.7 | 11 |
| 66 | Mediterranean Diet: The Beneficial Effects of Lycopene in Non-Alcoholic Fatty Liver Disease. Journal of Clinical Medicine, 2022, 11, 3477. | 1.0 | 11 |
| 67 | Incomplete APOBEC3G/F Neutralization by HIV-1 Vif Mutants Facilitates the Genetic Evolution from CCR5 to CXCR4 Usage. Antimicrobial Agents and Chemotherapy, 2015, 59, 4870-4881. | 1.4 | 10 |
| 68 | Multi-Targeting Bioactive Compounds Extracted from Essential Oils as Kinase Inhibitors. Molecules, 2020, 25, 2174. | 1.7 | 10 |
| 69 | Anti-Multiple Myeloma Potential of Secondary Metabolites from Hibiscus sabdariffaâ€"Part 2. Molecules, 2021, 26, 6596. | 1.7 | 9 |
| 70 | Structural modifications induced by specific HIV-1 protease-compensatory mutations have an impact on the virological response to a first-line lopinavir/ritonavir-containing regimen. Journal of Antimicrobial Chemotherapy, 2013, 68, 2205-2209. | 1.3 | 8 |
| 71 | BOPC1 Enantiomers Preparation and HuR Interaction Study. From Molecular Modeling to a Curious DEEP-STD NMR Application. ACS Medicinal Chemistry Letters, 2020, 11, 883-888. | 1.3 | 8 |
| 72 | Natural Products Extracted from Fungal Species as New Potential Anti-Cancer Drugs: A Structure-Based Drug Repurposing Approach Targeting HDAC7. Molecules, 2020, 25, 5524. | 1.7 | 8 |

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|---|---|---|---|
| 73 | Identification of Compounds Targeting HuD. Another Brick in the Wall of Neurodegenerative Disease Treatment. Journal of Medicinal Chemistry, 2021, 64, 9989-10000. | 2.9 | 8 |
| 74 | Presynaptic Release-Regulating Alpha2 Autoreceptors: Potential Molecular Target for Ellagic Acid Nutraceutical Properties. Antioxidants, 2021, 10, 1759. | 2.2 | 8 |
| 75 | Identification of a rare mutation at reverse transcriptase Lys65 (K65E) in HIV-1-infected patients failing on nucleos(t)ide reverse transcriptase inhibitors. Journal of Antimicrobial Chemotherapy, 2013, 68, 2199-2204. | 1.3 | 7 |
| 76 | Extended Naphthalene Diimides with Donor/Acceptor Hydrogenâ€Bonding Properties Targeting Gâ€Quadruplex Nucleic Acids. European Journal of Organic Chemistry, 2016, 2016, 4824-4833. | 1.2 | 7 |
| 77 | Structural Modeling of New Polymorphism Clusters of HCV Polymerase Isolated from Directâ€Acting Antiviral NaÃ¯ve Patients: Focus on Dasabuvir and Setrobuvir Binding Affinity. ChemistrySelect, 2018, 3, 6009-6017. | 0.7 | 7 |
| 78 | Chromene Derivatives as Selective TERRA G-Quadruplex RNA Binders with Antiproliferative Properties. Pharmaceuticals, 2022, 15, 548. | 1.7 | 7 |
| 79 | <scp>TCL</scp>1A interacts with <scp>TP</scp>63 and enhances the survival of Raji Burkitt lymphoma cell line. British Journal of Haematology, 2018, 183, 509-512. | 1.2 | 6 |
| 80 | In Silico Identification and Biological Evaluation of Antioxidant Food Components Endowed with Human Carbonic Anhydrase IX and XII Inhibition. Antioxidants, 2020, 9, 775. | 2.2 | 5 |
| 81 | Effect of maraviroc on non-R5 tropic HIV-1: refined analysis of subjects from the phase IIb study A4001029. Clinical Microbiology and Infection, 2015, 21, 103.e1-103.e6. | 2.8 | 4 |
| 82 | The HIV-1 reverse transcriptase polymorphism A98S improves the response to tenofovir disoproxil fumarate+emtricitabine-containing HAART both in vivo and in vitro. Journal of Global Antimicrobial Resistance, 2016, 7, 1-7. | 0.9 | 3 |
| 83 | From Homology Modeling to the Hit Identification and Drug Repurposing: A Structure-Based Approach in the Discovery of Novel Potential Anti-Obesity Compounds. Methods in Molecular Biology, 2021, 2266, 263-277. | 0.4 | 3 |
| 84 | Towards the Modulation of RNA-Binding Proteins: New Compounds Targeting Protein HuR. Proceedings (mdpi), 2019, 22, . | 0.2 | 0 |
| 85 | Abstract 4796: EG-011 is a novel small molecule within vitroandin vivoanti-tumor activity against lymphoma. , 2019, , . | | 0 |
| 86 | Abstract B122: The CD98hc oncoprotein as a target of new anticancer therapy. , 2019, , . | | 0 |
| 87 | Identification of SET/EED dual binders as innovative PRC2 inhibitors. Future Medicinal Chemistry, 2022, , . | 1.1 | 0 |
| 88 | Abstract 4796: EG-011 is a novel small molecule within vitroandin vivoanti-tumor activity against lymphoma. , 2019, , . | | 0 |
| 89 | Meet the Regional Editor. Current Enzyme Inhibition, 2022, 18, 1-1. | 0.3 | 0 |