GiosuÃ¨ Costa

List of Publications by Year
in descending order

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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	Update on SARS-CoV-2 Omicron Variant of Concern and Its Peculiar Mutational Profile. Microbiology Spectrum, 2022, 10, e0273221.	1.2	35
2	Identification of SET/EED dual binders as innovative PRC2 inhibitors. Future Medicinal Chemistry, 2022, , .	1.1	0
3	Meet the Regional Editor. Current Enzyme Inhibition, 2022, 18, 1-1.	0.3	0
4	Chromene Derivatives as Selective TERRA G-Quadruplex RNA Binders with Antiproliferative Properties. Pharmaceuticals, 2022, 15, 548.	1.7	7
5	Mediterranean Diet: The Beneficial Effects of Lycopene in Non-Alcoholic Fatty Liver Disease. Journal of Clinical Medicine, 2022, 11, 3477.	1.0	11
6	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
7	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
8	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
9	Anti-Multiple Myeloma Potential of Secondary Metabolites from Hibiscus sabdariffaâ€”Part 2. Molecules, 2021, 26, 6596.	1.7	9
10	Presynaptic Release-Regulating Alpha2 Autoreceptors: Potential Molecular Target for Ellagic Acid Nutraceutical Properties. Antioxidants, 2021, 10, 1759.	2.2	8
11	Pyrazolones Activate the Proteasome by Gating Mechanisms and Protect Neuronal Cells from Î²â€Amyloid Toxicity. ChemMedChem, 2020, 15, 302-316.	1.6	15
12	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
13	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
14	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
15	DJ-1 Proteoforms in Breast Cancer Cells: The Escape of Metabolic Epigenetic Misregulation. Cells, 2020, 9, 1968.	1.8	23
16	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
17	Multi-Targeting Bioactive Compounds Extracted from Essential Oils as Kinase Inhibitors. Molecules, 2020, 25, 2174.	1.7	10
18	Folding intermediate states of the parallel human telomeric G-quadruplex DNA explored using Well-Tempered Metadynamics. Scientific Reports, 2020, 10, 3176.	1.6	21

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19	The Non-Coding RNA Landscape of Plasma Cell Dyscrasias. Cancers, 2020, 12, 320.	1.7	24
20	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
21	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
22	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
23	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
24	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
25	ABCC transporters mediate the vacuolar accumulation of crocins in saffron stigmas. Plant Cell, 2019, 31, tpc.00193.2019.	3.1	36
26	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
27	A drug repurposing screening reveals a novel epigenetic activity of hydroxychloroquine. European Journal of Medicinal Chemistry, 2019, 183, 111715.	2.6	23
28	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
29	Computer-based techniques for lead identification and optimization I: Basics. Physical Sciences Reviews, 2019, 4, .	0.8	16
30	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
31	Towards the Modulation of RNA-Binding Proteins: New Compounds Targeting Protein HuR. Proceedings (mdpi), 2019, 22, .	0.2	0
32	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
33	Abstract 4796: EG-011 is a novel small molecule within vitroandin vivoanti-tumor activity against lymphoma. , 2019, , .		0
34	Abstract B122: The CD98hc oncoprotein as a target of new anticancer therapy. , 2019, , .		0
35	Abstract 4796: EG-011 is a novel small molecule within vitroandin vivoanti-tumor activity against lymphoma. , 2019, , .		0
36	Design and Development of Biomimetic Nanovesicles Using a Microfluidic Approach. Advanced Materials, 2018, 30, e1702749.	11.1	100

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37	Pathway involving the N155H mutation in HIV-1 integrase leads to dolutegravir resistance. Journal of Antimicrobial Chemotherapy, 2018, 73, 1158-1166.	1.3	13
38	<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
39	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
40	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
41	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
42	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
43	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
44	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
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	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
47	Exploring new chemical functionalities to improve aromatase inhibition of steroids. Bioorganic and Medicinal Chemistry, 2016, 24, 2823-2831.	1.4	13
48	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
49	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
50	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
51	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
52	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
53	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
54	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

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55	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
56	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
57	(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
58	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
59	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
60	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
61	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
62	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
63	Aryl ethynyl anthraquinones: a useful platform for targeting telomeric G-quadruplex structures. Organic and Biomolecular Chemistry, 2014, 12, 3744-3754.	1.5	31
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	Molecular interaction fields in drug discovery: recent advances and future perspectives. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2013, 3, 594-613.	6.2	36
72	Molecular Recognition of Human Telomeric DNA by Phenanthroline-Based G-Quadruplex Ligands. Open Journal of Medicinal Chemistry, 2013, 03, 41-49.	0.7	11

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73	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
74	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
75	Identification of New Natural DNA G-Quadruplex Binders Selected by a Structure-Based Virtual Screening Approach. Molecules, 2013, 18, 12051-12070.	1.7	23
76	Conformation and Stability of Intramolecular Telomeric G-Quadruplexes: Sequence Effects in the Loops. PLoS ONE, 2013, 8, e84113.	1.1	32
77	The Polymorphisms of DNA G-Quadruplex Investigated by Docking Experiments with Telomestatin Enantiomers. Current Pharmaceutical Design, 2012, 18, 1873-1879.	0.9	23
78	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
79	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
80	HCV Genotypes Are Differently Prone to the Development of Resistance to Linear and Macrocyclic Protease Inhibitors. PLoS ONE, 2012, 7, e39652.	1.1	78
81	Conformational studies and solvent-accessible surface area analysis of known selective DNA G-Quadruplex binders. Biochimie, 2011, 93, 1267-1274.	1.3	23
82	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
83	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
84	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
85	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
86	Simple Choline Esters as Potential Anti-Alzheimer Agents. Current Pharmaceutical Design, 2010, 16, 692-697.	0.9	12
87	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
88	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
89	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