

# Stefano D'errico

## List of Publications by Year in descending order

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67  
papers

1,086  
citations

361413

20  
h-index

477307

29  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1138  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring a peptide nucleic acid-based antisense approach for CD5 targeting in chronic lymphocytic leukemia. PLoS ONE, 2022, 17, e0266090.	2.5	5
2	O6-[(2- <sup>3</sup> ,3- <sup>3</sup> -O-Isopropylidene-5- <sup>3</sup> -O-tbutyldimethylsilyl)pentyl]-5- <sup>2</sup> -O-tbutyldiphenylsilyl-2- <sup>2</sup> ,3- <sup>2</sup> -O-isopropylideneinosine. MolBank, 2022, 2022, M1345.	0.5	2
3	Exploring the Parallel G-Quadruplex Nucleic Acid World: A Spectroscopic and Computational Investigation on the Binding of the c-myc Oncogene NHE III1 Region by the Phytochemical Polydatin. Molecules, 2022, 27, 2997.	3.8	9
4	Bioconjugation of a PNA Probe to Zinc Oxide Nanowires for Label-Free Sensing. Nanomaterials, 2021, 11, 523.	4.1	9
5	Silver (I) N-Heterocyclic Carbene Complexes: A Winning and Broad Spectrum of Antimicrobial Properties. International Journal of Molecular Sciences, 2021, 22, 2497.	4.1	21
6	Assisting PNA transport through cystic fibrosis human airway epithelia with biodegradable hybrid lipid-polymer nanoparticles. Scientific Reports, 2021, 11, 6393.	3.3	13
7	Transcriptomics and Metabolomics Integration Reveals Redox-Dependent Metabolic Rewiring in Breast Cancer Cells. Cancers, 2021, 13, 5058.	3.7	10
8	Probing the Ca <sup>2+</sup> mobilizing properties on primary cortical neurons of a new stable cADPR mimic. Bioorganic Chemistry, 2021, 117, 105401.	4.1	3
9	Toward the Identification of Novel Antimicrobial Agents: One-Pot Synthesis of Lipophilic Conjugates of N-Alkyl d- and l-Iminosugars. Marine Drugs, 2020, 18, 572.	4.6	5
10	Probing the DNA Reactivity and the Anticancer Properties of a Novel Tubercidin-Pt(II) Complex. Pharmaceuticals, 2020, 12, 627.	4.5	6
11	Editorial: Special Issue "Molecules from Side Reactions". MolBank, 2020, 2020, M1172.	0.5	0
12	π-π stacked DNA G-wire nanostructures formed by a short G-rich oligonucleotide containing a 3- <sup>2</sup> - <sup>3</sup> inversion of polarity site. Organic Chemistry Frontiers, 2020, 7, 2187-2195.	4.5	8
13	Evaluation of an Analogue of the Marine μ-PLL Peptide as a Ligand of G-quadruplex DNA Structures. Marine Drugs, 2020, 18, 49.	4.6	24
14	Design and Synthesis of a cADPR Mimic as a Novel Tool for Monitoring the Intracellular Ca <sup>2+</sup> Concentration. Proceedings (mdpi), 2020, 79, .	0.2	0
15	New Linear Precursors of cADPR Derivatives as Stable Analogs of cADPR: A Potent Second Messenger with Ca <sup>2+</sup> -Modulating Activity Isolated from Sea Urchin Eggs. Marine Drugs, 2019, 17, 476.	4.6	6
16	New G-Quadruplex-Forming Oligodeoxynucleotides Incorporating a Bifunctional Double-Ended Linker (DEL): Effects of DEL Size and ODNs Orientation on the Topology, Stability, and Molecularity of DEL-G-Quadruplexes. Molecules, 2019, 24, 654.	3.8	7
17	5- <sup>2</sup> -Chloro-5- <sup>2</sup> -deoxy-2- <sup>2</sup> ,3- <sup>2</sup> -O-isopropylidene-6-fluoro nebularine. MolBank, 2019, 2019, M1097.	0.5	1
18	Anti-HIV activity of new higher order G-quadruplex aptamers obtained from tetra-end-linked oligonucleotides. Organic and Biomolecular Chemistry, 2018, 16, 2349-2355.	2.8	16

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19	Synthesis and Biological Evaluation of a New Structural Simplified Analogue of cADPR, a Calcium-Mobilizing Secondary Messenger Firstly Isolated from Sea Urchin Eggs. <i>Marine Drugs</i> , 2018, 16, 89.	4.6	10
20	Design, Synthesis and Characterization of Novel Co-Polymers Decorated with Peptides for the Selective Nanoparticle Transport across the Cerebral Endothelium. <i>Molecules</i> , 2018, 23, 1655.	3.8	18
21	Synthesis and label free characterization of a bimolecular PNA homo quadruplex. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1222-1228.	2.4	8
22	Synthesis and Evaluation of the Antitumor Properties of a Small Collection of Pt <sup>II</sup> Complexes with 7-Deazaadenosine as Scaffold. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4935-4947.	2.4	10
23	Self-Assembly of Rich Oligonucleotides Incorporating a 3 <sup>rd</sup> Inversion of Polarity Site: A New Route Towards Wire DNA Nanostructures. <i>ChemistryOpen</i> , 2017, 6, 599-605.	1.9	24
24	Pyridinium chlorochromate chemistry. New insight into oxidation of tetrahydrofurans. <i>Arkivoc</i> , 2017, 2017, 273-290.	0.5	2
25	Peptide Nucleic Acids as miRNA Target Protectors for the Treatment of Cystic Fibrosis. <i>Molecules</i> , 2017, 22, 1144.	3.8	29
26	5-Amino-1-(2-isopropylidene-ribofuran-3-yl)-1H-imidazole-4-carboxamide: a crystal structure with Z = 4. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 183-187.	0.5	1
27	Screening Platform toward New Anti-HIV Aptamers Set on Molecular Docking and Fluorescence Quenching Techniques. <i>Analytical Chemistry</i> , 2016, 88, 2327-2334.	6.5	18
28	New synthetic AICAR derivatives with enhanced AMPK and ACC activation. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 748-753.	5.2	15
29	Synthesis and Evaluation of the Antiproliferative Properties of a Tethered Tubercidin-Platinum(II) Complex. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 7550-7556.	2.4	6
30	Synthesis of 5-Aminoimidazole-4-Carboxamide Riboside (AICAR) and Its Derivatives Using Inosine as Starting Material. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2015, 63, 1.35.1-1.35.24.	0.5	3
31	Synthesis of cyclic N <sup>1</sup> -pentylinosine phosphate, a new structurally reduced cADPR analogue with calcium-mobilizing activity on PC12 cells. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 2689-2695.	2.2	18
32	Solid phase synthesis of a novel folate-conjugated 5-aminolevulinic acid methyl ester based photosensitizer for selective photodynamic therapy. <i>Tetrahedron Letters</i> , 2015, 56, 775-778.	1.4	16
33	Synthesis of C <sup>6</sup> -Pyridylpurine Nucleosides by Reaction of Nebularine N <sup>1</sup> -Oxide with Pyridinyl Grignard Reagents. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 2244-2249.	2.4	2
34	Highly Stereoselective Synthesis of Lamivudine (3TC) and Emtricitabine (FTC) by a Novel N-Glycosidation Procedure. <i>Organic Letters</i> , 2015, 17, 2626-2629.	4.6	24
35	A Fluorescence Polarization Assay To Detect Steroid Hormone Traces in Milk. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 9159-9164.	5.2	26
36	Synthesis and Pharmacological Evaluation of Modified Adenosines Joined to Mono-Functional Platinum Moieties. <i>Molecules</i> , 2014, 19, 9339-9353.	3.8	9

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37	Exploitation of a Very Small Peptide Nucleic Acid as a New Inhibitor of miR-509-3p Involved in the Regulation of Cystic Fibrosis Disease-Gene Expression. <i>BioMed Research International</i> , 2014, 2014, 1-10.	1.9	45
38	Beyond Achmatowicz reaction: DDQ-mediated chemo- and stereoconvergent domino-one pot cyclization/rearrangement of bis-thioenol ether-containing chiral building blocks. <i>Tetrahedron Letters</i> , 2014, 55, 7007-7010.	1.4	4
39	Design, synthesis and biochemical investigation, by in vitro luciferase reporter system, of peptide nucleic acids as new inhibitors of miR-509-3p involved in the regulation of cystic fibrosis disease-gene expression. <i>MedChemComm</i> , 2014, 5, 68-71.	3.4	16
40	Synthesis of mixed-sequence oligonucleotides on mesoporous silicon: chemical strategies and material stability. <i>Nanoscale Research Letters</i> , 2014, 9, 317.	5.7	9
41	DNA-based nanostructures: The effect of the base sequence on octamer formation from d(XGGYGGT) tetramolecular G-quadruplexes. <i>Biochimie</i> , 2014, 99, 119-128.	2.6	20
42	Synthesis of 2,6-Dialkyl(aryl)purine Nucleosides by Exploiting the Reactivity of Nebularine Oxide towards Grignard Reagents. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 6948-6954.	2.4	7
43	A General Synthesis of Bis(1-cyloxy-1,4- and 1,5-diketones Through Catalytic Oxidative Opening of Acylated THF and THP Diols. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 1781-1789.	2.4	22
44	Synthesis of New Adenosine (AICA-riboside) Analogues Having Acyclic d-Ribityl or 4-Hydroxybutyl Chains in Place of the Ribose. <i>Molecules</i> , 2013, 18, 9420-9431.	3.8	12
45	Investigating the Role of T <sub>7</sub> and T <sub>12</sub> Residues on the Biological Properties of Thrombin-Binding Aptamer: Enhancement of Anticoagulant Activity by a Single Nucleobase Modification. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 10716-10728.	6.4	42
46	Synthesis and biological evaluation of unprecedented ring-expanded nucleosides (RENs) containing the imidazo[4,5-d][1,2,6]oxadiazepine ring system. <i>Chemical Communications</i> , 2012, 48, 9310.	4.1	33
47	New anti-HIV aptamers based on tetra-end-linked DNA G-quadruplexes: effect of the base sequence on anti-HIV activity. <i>Chemical Communications</i> , 2012, 48, 9516.	4.1	31
48	A Facile Synthesis of 5'-Fluoro-5'-deoxyadenosine (5'-F-AICAR): A Novel Non-phosphorylatable AICAR Analogue. <i>Molecules</i> , 2012, 17, 13036-13044.	3.8	30
49	Insight into Pyridinium Chlorochromate Chemistry: Catalytic Oxidation of Tetrahydrofuran Compounds and Synthesis of Umbelactone. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 4293-4305.	2.4	10
50	Insight Into the Conformational Arrangement of a Bis-THF Diol Compound Through 2D-NMR Studies and X-Ray Structural Analysis. <i>Journal of Chemical Crystallography</i> , 2012, 42, 360-365.	1.1	1
51	Targeting G-Quadruplex Structure in the Human c-Kit Promoter with Short PNA Sequences. <i>Bioconjugate Chemistry</i> , 2011, 22, 654-663.	3.6	45
52	Label-Free Probing of G-Quadruplex Formation by Surface-Enhanced Raman Scattering. <i>Analytical Chemistry</i> , 2011, 83, 6849-6855.	6.5	56
53	Solid-Phase Synthesis of a New Diphosphate 5-Aminoimidazole-4-carboxamide Riboside (AICAR) Derivative and Studies toward Cyclic AICAR Diphosphate Ribose. <i>Molecules</i> , 2011, 16, 8110-8118.	3.8	20
54	Solid-phase synthesis and pharmacological evaluation of novel nucleoside-tethered dinuclear platinum(II) complexes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 5835-5838.	2.2	15

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55	Probing the reactivity of nebularine N1-oxide. A novel approach to C-6 C-substituted purine nucleosides. <i>Tetrahedron</i> , 2011, 67, 6138-6144.	1.9	18
56	Discovery of a novel one-step RuO <sub>4</sub> -catalysed tandem oxidative polycyclization/double spiroketalization process. Access to a new type of polyether bis-spiroketal compound displaying antitumour activity. <i>Tetrahedron</i> , 2010, 66, 9370-9378.	1.9	11
57	Facile Solid-Phase Synthesis of AICAR 5'-Monophosphate (ZMP) and Its 4-N-Alkyl Derivatives. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 1517-1524.	2.4	31
58	A solid-phase approach to the synthesis of N-1-alkyl analogues of cyclic inosine-diphosphate-ribose (cIDPR). <i>Tetrahedron</i> , 2010, 66, 1931-1936.	1.9	30
59	Tetra-end-linked oligonucleotides forming DNA G-quadruplexes: a new class of aptamers showing anti-HIV activity. <i>Chemical Communications</i> , 2010, 46, 8971.	4.1	39
60	Synthesis of quadruplex-forming tetra-end-linked oligonucleotides: Effects of the linker size on quadruplex topology and stability. <i>Biopolymers</i> , 2009, 91, 466-477.	2.4	31
61	Synthesis of 4-N-alkyl and ribose-modified AICAR analogues on solid support. <i>Tetrahedron</i> , 2008, 64, 6475-6481.	1.9	34
62	Synthesis and Characterization of Tetra-End Linked Oligonucleotides Capable of Forming Monomolecular G-Quadruplexes. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1231-1236.	1.1	0
63	Synthesis of A New Ribose Modified Analogue of Cyclic Inosine Diphosphate Ribose. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1321-1324.	1.1	2
64	Solid Phase Synthesis of Nucleobase and Ribose Modified Inosine Nucleoside Analogues. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1649-1652.	1.1	6
65	A General Approach to the Synthesis of 1-Deoxy-l-imosugars. <i>Organic Letters</i> , 2007, 9, 3473-3476.	4.6	39
66	Synthesis of N-1 and ribose modified inosine analogues on solid support. <i>Tetrahedron Letters</i> , 2007, 48, 397-400.	1.4	34
67	Syntheses of [1- <sup>15</sup> N]-2'-Deoxyinosine, [4- <sup>15</sup> N]-2'-DeoxyAICAR, and [1- <sup>15</sup> N]-2'-Deoxyguanosine. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 2235-2239.	2.4	9