

Stefano D'errico

List of Publications by Year in descending order

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67
papers

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citations

361413

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70
times ranked

1138
citing authors

#	ARTICLE	IF	CITATIONS
1	Label-Free Probing of G-Quadruplex Formation by Surface-Enhanced Raman Scattering. <i>Analytical Chemistry</i> , 2011, 83, 6849-6855.	6.5	56
2	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
3	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
4	Investigating the Role of T ₇ and T ₁₂ 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
5	A General Approach to the Synthesis of 1-Deoxy-l-imosugars. <i>Organic Letters</i> , 2007, 9, 3473-3476.	4.6	39
6	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
7	Synthesis of N-1 and ribose modified inosine analogues on solid support. <i>Tetrahedron Letters</i> , 2007, 48, 397-400.	1.4	34
8	Synthesis of 4-N-alkyl and ribose-modified AICAR analogues on solid support. <i>Tetrahedron</i> , 2008, 64, 6475-6481.	1.9	34
9	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
10	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
11	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
12	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
13	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
14	A Facile Synthesis of 5'-Fluoro-5'-deoxyacadesine (5'-F-AICAR): A Novel Non-phosphorylatable AICAR Analogue. <i>Molecules</i> , 2012, 17, 13036-13044.	3.8	30
15	Peptide Nucleic Acids as miRNA Target Protectors for the Treatment of Cystic Fibrosis. <i>Molecules</i> , 2017, 22, 1144.	3.8	29
16	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
17	Highly Stereoselective Synthesis of Lamivudine (3TC) and Emtricitabine (FTC) by a Novel <i>N</i> -Glycosidation Procedure. <i>Organic Letters</i> , 2015, 17, 2626-2629.	4.6	24
18	Self-Assembly of G-Rich Oligonucleotides Incorporating a 3' Inversion of Polarity Site: A New Route Towards G-Wire DNA Nanostructures. <i>ChemistryOpen</i> , 2017, 6, 599-605.	1.9	24

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19	Evaluation of an Analogue of the Marine μ -PLL Peptide as a Ligand of G-quadruplex DNA Structures. <i>Marine Drugs</i> , 2020, 18, 49.	4.6	24
20	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
21	Silver (I) N-Heterocyclic Carbene Complexes: A Winning and Broad Spectrum of Antimicrobial Properties. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2497.	4.1	21
22	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
23	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
24	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
25	Synthesis of cyclic <i>N</i> ¹ -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
26	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
27	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
28	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
29	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
30	Anti-HIV activity of new higher order G-quadruplex aptamers obtained from tetra-end-linked oligonucleotides. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2349-2355.	2.8	16
31	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
32	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
33	Assisting PNA transport through cystic fibrosis human airway epithelia with biodegradable hybrid lipid-polymer nanoparticles. <i>Scientific Reports</i> , 2021, 11, 6393.	3.3	13
34	Synthesis of New Acadesine (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
35	Discovery of a novel one-step RuO ₄ -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
36	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

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37	Synthesis and Evaluation of the Antitumor Properties of a Small Collection of Pt ^{II} Complexes with 7â€œDeazaadenosine as Scaffold. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4935-4947.	2.4	10
38	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
39	Transcriptomics and Metabolomics Integration Reveals Redox-Dependent Metabolic Rewiring in Breast Cancer Cells. <i>Cancers</i> , 2021, 13, 5058.	3.7	10
40	Syntheses of [1-15N]-2â€œ-Deoxyinosine, [4-15N]-2â€œ-DeoxyAICAR, and [1-15N]-2â€œ-Deoxyguanosine. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 2235-2239.	2.4	9
41	Synthesis and Pharmacological Evaluation of Modified Adenosines Joined to Mono-Functional Platinum Moieties. <i>Molecules</i> , 2014, 19, 9339-9353.	3.8	9
42	Synthesis of mixed-sequence oligonucleotides on mesoporous silicon: chemical strategies and material stability. <i>Nanoscale Research Letters</i> , 2014, 9, 317.	5.7	9
43	Bioconjugation of a PNA Probe to Zinc Oxide Nanowires for Label-Free Sensing. <i>Nanomaterials</i> , 2021, 11, 523.	4.1	9
44	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. <i>Molecules</i> , 2022, 27, 2997.	3.8	9
45	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
46	â€œâ€œ stacked DNA G-wire nanostructures formed by a short G-rich oligonucleotide containing a 3â€œâ€œ inversion of polarity site. <i>Organic Chemistry Frontiers</i> , 2020, 7, 2187-2195.	4.5	8
47	Synthesis of 2,6â€œdialkyl(aryl)purine Nucleosides by Exploiting the Reactivity of Nebularine <i>N</i>1â€œOxide towards Grignard Reagents. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 6948-6954.	2.4	7
48	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. <i>Molecules</i> , 2019, 24, 654.	3.8	7
49	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
50	Synthesis and Evaluation of the Antiproliferative Properties of a Tethered Tubercidinâ€œPlatinum(II) Complex. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 7550-7556.	2.4	6
51	New Linear Precursors of cIDPR Derivatives as Stable Analogs of cADPR: A Potent Second Messenger with Ca ²⁺ -Modulating Activity Isolated from Sea Urchin Eggs. <i>Marine Drugs</i> , 2019, 17, 476.	4.6	6
52	Probing the DNA Reactivity and the Anticancer Properties of a Novel Tubercidin-Pt(II) Complex. <i>Pharmaceutics</i> , 2020, 12, 627.	4.5	6
53	Toward the Identification of Novel Antimicrobial Agents: One-Pot Synthesis of Lipophilic Conjugates of N-Alkyl d- and l-Iminosugars. <i>Marine Drugs</i> , 2020, 18, 572.	4.6	5
54	Exploring a peptide nucleic acid-based antisense approach for CD5 targeting in chronic lymphocytic leukemia. <i>PLoS ONE</i> , 2022, 17, e0266090.	2.5	5

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55	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
56	Synthesis of 5- <i>A</i> -Aminoimidazole-4- <i>C</i> -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
57	Probing the Ca ²⁺ mobilizing properties on primary cortical neurons of a new stable cADPR mimic. <i>Bioorganic Chemistry</i> , 2021, 117, 105401.	4.1	3
58	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
59	Synthesis of <i>C</i> ⁶ - <i>N</i> ¹ -Pyridylpurine Nucleosides by Reaction of Nebularine <i>N</i> ¹ - <i>O</i> Oxide with Pyridinyl Grignard Reagents. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 2244-2249.	2.4	2
60	Pyridinium chlorochromate chemistry. New insight into oxidation of tetrahydrofurans. <i>Arkivoc</i> , 2017, 2017, 273-290.	0.5	2
61	O ⁶ -[(2- <i>O</i> ,3- <i>O</i> -Isopropylidene-5- <i>O</i> - <i>t</i> -butyldimethylsilyl)pentyl]-5- <i>O</i> - <i>t</i> -butyldiphenylsilyl-2- <i>O</i> ,3- <i>O</i> -isopropylideneinosine. <i>MolBank</i> , 2022, 2022, M1345.	0.5	2
62	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
63	5- <i>O</i> -Chloro-5- <i>O</i> -deoxy-2- <i>O</i> ,3- <i>O</i> -isopropylidene-6-fluoro nebularine. <i>MolBank</i> , 2019, 2019, M1097.	0.5	1
64	5-Amino-1-(2- <i>O</i> ,3- <i>O</i> -isopropylidene- <i>D</i> -ribofityl)-1- <i>H</i> -imidazole-4-carboxamide: a crystal structure with <i>Z</i> = 4. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 183-187.	0.5	1
65	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
66	Editorial: Special Issue "Molecules from Side Reactions". <i>MolBank</i> , 2020, 2020, M1172.	0.5	0
67	Design and Synthesis of a cADPR Mimic as a Novel Tool for Monitoring the Intracellular Ca ²⁺ Concentration. <i>Proceedings (mdpi)</i> , 2020, 79, .	0.2	0