

Daniele D Alonzo

List of Publications by Citations

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71
papers

1,613
citations

24
h-index

37
g-index

78
ext. papers

1,875
ext. citations

5.6
avg. IF

4.44
L-index

#	Paper	IF	Citations
71	An artificial di-iron oxo-protein with phenol oxidase activity. <i>Nature Chemical Biology</i> , 2009 , 5, 882-4	11.7	152
70	Design and engineering of artificial oxygen-activating metalloenzymes. <i>Chemical Society Reviews</i> , 2016 , 45, 5020-54	58.5	128
69	Discovering protein secondary structures: Classification and description of isolated turns 1996 , 38, 705-721		99
68	Glycomimetics at the mirror: medicinal chemistry of L-iminosugars. <i>Current Medicinal Chemistry</i> , 2009 , 16, 473-505	4.3	78
67	A heme-peptide metalloenzyme mimetic with natural peroxidase-like activity. <i>Chemistry - A European Journal</i> , 2011 , 17, 4444-53	4.8	62
66	Engineering Metalloprotein Functions in Designed and Native Scaffolds. <i>Trends in Biochemical Sciences</i> , 2019 , 44, 1022-1040	10.3	50
65	Artificial Diiron Enzymes with a De Novo Designed Four-Helix Bundle Structure. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 3371-3390	2.3	50
64	Hemoprotein Models Based on a Covalent Helix-Heme-Helix Sandwich: 2. Structural Characterization of Co(III) Mimochrome I and Isomers. <i>Chemistry - A European Journal</i> , 2006 , 3, 350-362	4.8	41
63	Response of a designed metalloprotein to changes in metal ion coordination, exogenous ligands, and active site volume determined by X-ray crystallography. <i>Journal of the American Chemical Society</i> , 2005 , 127, 17266-76	16.4	41
62	Synthesis and evaluation of folate-based chlorambucil delivery systems for tumor-targeted chemotherapy. <i>Bioconjugate Chemistry</i> , 2012 , 23, 84-96	6.3	38
61	Design of a new mimochrome with unique topology. <i>Chemistry - A European Journal</i> , 2003 , 9, 5643-54	4.8	38
60	Recent Advances in Monosaccharide Synthesis: A Journey into L-Hexose World. <i>Current Organic Chemistry</i> , 2009 , 13, 71-98	1.7	37
59	Miniaturized heme proteins: crystal structure of Co(III)-mimochrome IV. <i>Journal of Biological Inorganic Chemistry</i> , 2004 , 9, 1017-27	3.7	35
58	Exploring the role of chirality in nucleic acid recognition. <i>Chemistry and Biodiversity</i> , 2011 , 8, 373-413	2.5	34
57	A general approach to the synthesis of 1-deoxy-L-iminosugars. <i>Organic Letters</i> , 2007 , 9, 3473-6	6.2	34
56	An artificial heme-enzyme with enhanced catalytic activity: evolution, functional screening and structural characterization. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 4859-68	3.9	31
55	Highly stereoselective de novo synthesis of L-hexoses. <i>Journal of Organic Chemistry</i> , 2010 , 75, 3558-68	4.2	30

54	De novo design, synthesis and characterisation of MP3, a new catalytic four-helix bundle hemeprotein. <i>Chemistry - A European Journal</i> , 2012 , 18, 15960-71	4.8	28
53	Enhancement of Peroxidase Activity in Artificial Mimochrome VI Catalysts through Rational Design. <i>ChemBioChem</i> , 2018 , 19, 1823-1826	3.8	27
52	Synthesis and base pairing properties of 1 β 5Ranhydro-L-hexitol nucleic acids (L-HNA). <i>Chemistry - A European Journal</i> , 2009 , 15, 10121-31	4.8	27
51	A facile synthesis of 5Rfluoro-5Rdeoxyacadesine (5RF-AICAR): a novel non-phosphorylatable AICAR analogue. <i>Molecules</i> , 2012 , 17, 13036-44	4.8	26
50	Redox and electrocatalytic properties of mimochrome VI, a synthetic heme peptide adsorbed on gold. <i>Langmuir</i> , 2010 , 26, 17831-5	4	26
49	A De Novo Heterodimeric Due Ferri Protein Minimizes the Release of Reactive Intermediates in Dioxygen-Dependent Oxidation. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 15580-15583	16.4	25
48	Oxidation catalysis by iron and manganese porphyrins within enzyme-like cages. <i>Biopolymers</i> , 2018 , 109, e23107	2.2	25
47	Spectroscopic and metal-binding properties of DF3: an artificial protein able to accommodate different metal ions. <i>Journal of Biological Inorganic Chemistry</i> , 2010 , 15, 717-28	3.7	24
46	Discovering protein secondary structures: classification and description of isolated alpha-turns. <i>Biopolymers</i> , 1996 , 38, 705-21	2.2	23
45	Highly Stereoselective Synthesis of Lamivudine (3TC) and Emtricitabine (FTC) by a Novel N-Glycosidation Procedure. <i>Organic Letters</i> , 2015 , 17, 2626-9	6.2	22
44	Toward L-homo-DNA: stereoselective de novo synthesis of β -L-erythro-hexopyranosyl nucleosides. <i>Journal of Organic Chemistry</i> , 2010 , 75, 6402-10	4.2	22
43	A versatile route to L-hexoses: synthesis of L-mannose and L-altrose. <i>Organic Letters</i> , 2006 , 8, 4863-6	6.2	22
42	Synthesis of 1-deoxy-l-gulonojirimycin and 1-deoxy-l-talonojirimycin. <i>Tetrahedron Letters</i> , 2009 , 50, 2045-2047	21	
41	N-Butyl-l-deoxynojirimycin (l-NBDNJ): Synthesis of an Allosteric Enhancer of β Glucosidase Activity for the Treatment of Pompe Disease. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 9462-9469	8.3	20
40	Rapid access to 1,6-anhydro-beta-L-hexopyranose derivatives via domino reaction: synthesis of L-allose and L-glucose. <i>Journal of Organic Chemistry</i> , 2008 , 73, 5636-9	4.2	18
39	Mn-Mimochrome VIa: An Artificial Metalloenzyme With Peroxygenase Activity. <i>Frontiers in Chemistry</i> , 2018 , 6, 590	5	18
38	Traditional uses, chemical composition and biological activities of <i>Sideritis raeseri</i> Boiss. & Heldr. <i>Journal of the Science of Food and Agriculture</i> , 2017 , 97, 373-383	4.3	17
37	De novo approach to l-anhydrohexitol nucleosides as building blocks for the synthesis of l-hexitol nucleic acids (l-HNA). <i>Tetrahedron Letters</i> , 2008 , 49, 6068-6070	2	17

36	Mimochrome, a metalloporphyrin-based catalytic Swiss knife <i>Biotechnology and Applied Biochemistry</i> , 2020 , 67, 495-515	2.8	16
35	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	2	15
34	Kinetic ESI-MS Studies of Potent Anti-HIV Aptamers Based on the G-Quadruplex Forming Sequence d(TGGGAG). <i>ACS Medicinal Chemistry Letters</i> , 2016 , 7, 256-60	4.3	15
33	Artificial heme-proteins: determination of axial ligand orientations through paramagnetic NMR shifts. <i>Chemical Communications</i> , 2014 , 50, 3852-5	5.8	14
32	Structural and Functional Aspects of Metal Binding Sites in Natural and Designed Metalloproteins 361-450		11
31	Enantiomeric selection properties of β -homoDNA: enhanced pairing for heterochiral complexes. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 6662-5	16.4	10
30	Artificial Heme Enzymes for the Construction of Gold-Based Biomaterials. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	10
29	Exploring the effect of chirality on the therapeutic potential of N-alkyl-deoxyiminosugars: anti-inflammatory response to <i>Pseudomonas aeruginosa</i> infections for application in CF lung disease. <i>European Journal of Medicinal Chemistry</i> , 2019 , 175, 63-71	6.8	9
28	Use of an Artificial Miniaturized Enzyme in Hydrogen Peroxide Detection by Chemiluminescence. <i>Sensors</i> , 2020 , 20,	3.8	9
27	A Semisynthetic Approach to New Immunoadjuvant Candidates: Site-Selective Chemical Manipulation of <i>Escherichia coli</i> Monophosphoryl Lipid A. <i>Chemistry - A European Journal</i> , 2016 , 22, 11053-63	4.8	9
26	1 β SRAhydro-L-ribo-hexitol Adenine Nucleic Acids (β -HNA-A): Synthesis and Chiral Selection Properties in the Mirror Image World. <i>Journal of Organic Chemistry</i> , 2015 , 80, 5014-22	4.2	8
25	Synthesis and Therapeutic Applications of Iminosugars in Cystic Fibrosis. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	8
24	A combined fermentative-chemical approach for the scalable production of pure <i>E. coli</i> monophosphoryl lipid A. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 7781-91	5.7	8
23	Sulfur-assisted domino access to bicyclic dihydrofurans: case study and early synthetic applications. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 7825-9	3.9	8
22	Expeditious synthesis and preliminary antimicrobial activity of deflazacort and its precursors.. <i>RSC Advances</i> , 2019 , 9, 21519-21524	3.7	7
21	Highly Selective Indole Oxidation Catalyzed by a Mn-Containing Artificial Mini-Enzyme. <i>ACS Catalysis</i> , 2021 , 11, 9407-9417	13.1	7
20	Clickable artificial heme-peroxidases for the development of functional nanomaterials. <i>Biotechnology and Applied Biochemistry</i> , 2020 , 67, 549-562	2.8	6
19	Inactivation of MSMEG_0412 gene drastically affects surface related properties of <i>Mycobacterium smegmatis</i> . <i>BMC Microbiology</i> , 2016 , 16, 267	4.5	6

18	Structure-Activity Relationship Study of a Potent Thrombin Binding Aptamer Incorporating Hexitol Nucleotides. <i>Chemistry - A European Journal</i> , 2020 , 26, 9589-9597	4.8	5
17	Antibacterial and Antivirulence Activity of Glucocorticoid PYED-1 against. <i>Antibiotics</i> , 2020 , 9,	4.9	5
16	-Nonyloxypropyl-L-Deoxynojirimycin Inhibits Growth, Biofilm Formation and Virulence Factors Expression of. <i>Antibiotics</i> , 2020 , 9,	4.9	4
15	Synthesis of β -2'-Fluoro-3'-thiacytidine (F-3TC) Stereoisomers: Toward a New Class of Oxathiolanyl Nucleosides?. <i>Synthesis</i> , 2017 , 49, 998-1008	2.9	3
14	A De Novo Heterodimeric Due Ferri Protein Minimizes the Release of Reactive Intermediates in Dioxxygen-Dependent Oxidation. <i>Angewandte Chemie</i> , 2017 , 129, 15786-15786	3.6	3
13	Oligonucleotides containing a ribo-configured cyclohexanyl nucleoside: probing the role of sugar conformation in base pairing selectivity. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 10041-9	3.9	3
12	Steroid Derivatives as Potential Antimicrobial Agents Against Planktonic Cells. <i>Microorganisms</i> , 2020 , 8,	4.9	3
11	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	2	3
10	DE NOVO Design of Protein Cages to Accommodate Metal Cofactors 2013 , 43-85		3
9	Synthesis of 2,3-dihydro-1,4-dithianyl nucleosides via Pummerer-type glycosidation. <i>Tetrahedron Letters</i> , 2010 , 51, 6060-6063	2	3
8	Enantiomeric Selection Properties of HomoDNA: Enhanced Pairing for Heterochiral Complexes. <i>Angewandte Chemie</i> , 2013 , 125, 6794-6797	3.6	2
7	Conformational Analysis by NMR and Distance-Geometry Techniques of Deltorpin Analogs. <i>European Journal of Organic Chemistry</i> , 1998 , 1998, 2279-2287	3.2	2
6	A general route to D- and L-six-membered nucleoside analogues. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007 , 26, 959-62	1.4	2
5	Triphenylphosphine Polymer-Bound/Iodine Complex: A Suitable Reagent for the Preparation of O-Isopropylidene Sugar Derivatives. <i>Synthesis</i> , 2006 , 2006, 305-308	2.9	2
4	Oxidative dehalogenation of trichlorophenol catalyzed by a promiscuous artificial heme-enzyme.. <i>RSC Advances</i> , 2022 , 12, 12947-12956	3.7	2
3	Synthesis of C6-Pyridylpurine Nucleosides by Reaction of Nebularine N1-Oxide with Pyridinyl Grignard Reagents. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 2244-2249	3.2	1
2	A Stereoconvergent Tsuji-Trost Reaction in the Synthesis of Cyclohexenyl Nucleosides. <i>Chemistry - A European Journal</i> , 2020 , 26, 2597-2601	4.8	1
1	Multistep Transformations of BIS-Thioenol Ether-Containing Chiral Building Blocks: New Avenues in Glycochemistry 2016 , 97-113		1

