

Francesco De Riccardis

List of Publications by Year in descending order

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94
papers

2,394
citations

186265

28
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243625

44
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107
all docs

107
docs citations

107
times ranked

2008
citing authors

#	ARTICLE	IF	CITATIONS
1	Alfalfa (<i>Medicago sativa</i> L.) Flavonoids. 1. Apigenin and Luteolin Glycosides from Aerial Parts. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 753-758.	5.2	115
2	Synthesis, structures, and properties of nine-, twelve-, and eighteen-membered N-benzyloxyethyl cyclic β -peptoids. <i>Chemical Communications</i> , 2008, , 3927.	4.1	91
3	Mapping the Landscape of Potentially Primordial Informational Oligomers: Oligodipeptides and Oligodipeptoids Tagged with Triazines as Recognition Elements. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2470-2477.	13.8	90
4	Molecular Insights into Azumamide E Histone Deacetylases Inhibitory Activity. <i>Journal of the American Chemical Society</i> , 2007, 129, 3007-3012.	13.7	89
5	Ion Transport through Lipid Bilayers by Synthetic Ionophores: Modulation of Activity and Selectivity. <i>Accounts of Chemical Research</i> , 2013, 46, 2781-2790.	15.6	89
6	Structural Effects of Proline Substitution and Metal Binding on Hexameric Cyclic Peptoids. <i>Organic Letters</i> , 2013, 15, 598-601.	4.6	71
7	Cyclopeptoids: a novel class of phase-transfer catalysts. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 726-731.	2.8	64
8	Size-dependent cation transport by cyclic β -peptoid ion carriers. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 2851.	2.8	63
9	Cationic calix[4]arenes as anion-selective ionophores. <i>Chemical Communications</i> , 2008, , 2986.	4.1	59
10	A General Method for the Synthesis of the N2- and N6- Carcinogenic Amine Adducts of 2'-Deoxyguanosine and 2'-Deoxyadenosine. <i>Journal of the American Chemical Society</i> , 1999, 121, 10453-10460.	13.7	57
11	Calix[4]arene-cholic acid conjugates: a new class of efficient synthetic ionophores. <i>Chemical Communications</i> , 2005, , 1354.	4.1	52
12	Solid state assembly of cyclic β -peptoids. <i>CrystEngComm</i> , 2014, 16, 3667-3687.	2.6	52
13	Chemical Synthesis of Cross-Linked Purine Nucleosides. <i>Organic Letters</i> , 2000, 2, 293-295.	4.6	51
14	Structural revision of halipeptins: synthesis of the thiazoline unit and isolation of halipeptin C. <i>Tetrahedron Letters</i> , 2002, 43, 5707-5710.	1.4	51
15	Enantioselective Alkylation of Amino Acid Derivatives Promoted by Cyclic Peptoids under Phase-Transfer Conditions. <i>Journal of Organic Chemistry</i> , 2016, 81, 2494-2505.	3.2	51
16	Iminosugar-Cyclopeptoid Conjugates Raise Multivalent Effect in Glycosidase Inhibition at Unprecedented High Levels. <i>Chemistry - A European Journal</i> , 2016, 22, 5151-5155.	3.3	50
17	Design, synthesis and antimicrobial properties of non-hemolytic cationic β -cyclopeptoids. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 2010-2018.	3.0	49
18	Gadolinium-binding cyclic hexapeptoids: synthesis and relaxometric properties. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 424-431.	2.8	44

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19	Studies towards the synthesis of esperamicinone. <i>Tetrahedron</i> , 1994, 50, 11391-11426.	1.9	43
20	Cyclopeptoids as Phase-Transfer Catalysts for the Enantioselective Synthesis of α -Amino Acids. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 7793-7797.	2.4	40
21	Synthesis and cytotoxic activity of steroid-anthraquinone hybrids. <i>Tetrahedron</i> , 1997, 53, 10871-10882.	1.9	39
22	Total Synthesis of Azumamides A and E. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7557-7560.	13.8	39
23	Synthesis of the first examples of iminosugar clusters based on cyclopeptoid cores. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1406-1412.	2.2	38
24	An Efficient Modular Approach for the Assembly of S-Linked Glycopeptoids. <i>Organic Letters</i> , 2009, 11, 3898-3901.	4.6	37
25	Macrocyclic Hosts in Asymmetric Phase-Transfer Catalyzed Reactions. <i>Synthesis</i> , 2018, 50, 4777-4795.	2.3	37
26	Solid-State Conformational Flexibility at Work: Zipping and Unzipping within a Cyclic Peptoid Single Crystal. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4679-4682.	13.8	32
27	Synthesis of (17R)-17-methylcisterol, a highly degraded marine steroid. <i>Tetrahedron Letters</i> , 1995, 36, 4303-4306.	1.4	31
28	Asymmetric synthesis of N,O-diprotected (2S,3S)-N-methyl- β -hydroxyisoleucine, noncoded amino acid of halipeptin A. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 1181-1186.	1.8	31
29	Cyclic Peptoids as Mycotoxin Mimics: An Exploration of Their Structural and Biological Properties. <i>Journal of Organic Chemistry</i> , 2017, 82, 8848-8863.	3.2	29
30	Conformational isomerism in cyclic peptoids and its specification. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 9932-9942.	2.8	28
31	The Challenge of Conformational Isomerism in Cyclic Peptoids. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 2981-2994.	2.4	26
32	The first occurrence of polyhydroxylated steroids with phosphate conjugation from the starfish <i>tremaster novaecaledoniae</i> . <i>Tetrahedron Letters</i> , 1992, 33, 1097-1100.	1.4	24
33	A novel group of polyhydroxycholanolic acid derivatives from the deep water starfish <i>Styracaster caroli</i> . <i>Tetrahedron Letters</i> , 1993, 34, 4381-4384.	1.4	24
34	Design and Synthesis of Estrarubicin: a Novel Class of Estrogen-Anthracenedione Hybrids. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 1965-1970.	2.4	23
35	Phakellistatins: An Underwater Unsolved Puzzle. <i>Marine Drugs</i> , 2017, 15, 78.	4.6	23
36	Synthesis of alkylphenols and alkylcatechols from the marine mollusc <i>Haminoea callidegenita</i> . <i>Tetrahedron Letters</i> , 2000, 41, 3975-3978.	1.4	22

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37	Formation of Quaternary Carbon Centers in Ethylene Polymerization with meso-Isopropylidenebis(1-indenyl)zirconium Dichloride Activated by MAO. <i>Macromolecules</i> , 2001, 34, 2-4.	4.8	22
38	Xanthones and flavonoids from <i>Leiothrix curvifolia</i> and <i>Leiothrix flavescens</i> . <i>Phytochemistry</i> , 2001, 56, 853-856.	2.9	22
39	Synthesis of (25R)-5 β -Cholestane-3 β ,6 β ,15 β ,16 β ,26-pentol, a Cytostatic Starfish Steroid. <i>Journal of Organic Chemistry</i> , 1998, 63, 4438-4443.	3.2	21
40	Synthesis of a transmembrane ionophore based on a C2-symmetric polyhydroxysteroid derivative. <i>Tetrahedron</i> , 2003, 59, 1711-1717.	1.9	21
41	An artificial ionophore based on a polyhydroxylated steroid dimer. <i>Chemical Communications</i> , 2002, , 3066-3067.	4.1	20
42	Synthesis and complexing properties of cyclic benzylopeptoids – a new family of extended macrocyclic peptoids. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9055-9062.	2.8	20
43	Reverse Turn and Loop Secondary Structures in Stereodefined Cyclic Peptoid Scaffolds. <i>Journal of Organic Chemistry</i> , 2019, 84, 10911-10928.	3.2	20
44	Polyoxygenated Marine Steroids from the Deep Water Starfish <i>Styracaster caroli</i> . <i>Journal of Natural Products</i> , 1994, 57, 1361-1373.	3.0	18
45	Efficient Stereocontrolled Access to 15- and 16-Hydroxy Steroids. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 3505-3510.	2.4	18
46	Asymmetric synthesis of (3S,4R,7S)-(α^{\sim})-3-hydroxy-7-methoxy-2,2,4-trimethyl-decanoic acid, a plausible polyketide fragment of halipeptin A. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 3371-3378.	1.8	18
47	Artificial Anion Transporters in Bilayer Membranes. <i>Current Drug Discovery Technologies</i> , 2008, 5, 86-97.	1.2	18
48	Molecular recognition and solvatomorphism of a cyclic peptoid: formation of a stable 1D porous framework. <i>CrystEngComm</i> , 2017, 19, 4704-4708.	2.6	17
49	First enantioselective non-biological synthesis of asymmetrised tris(hydroxymethyl)methane (THYM*) and bis(hydroxymethyl)acetaldehyde (BHMA*). <i>Tetrahedron Letters</i> , 2001, 42, 5421-5424.	1.4	15
50	Ring size effect on the solid state assembly of propargyl substituted hexa- and octacyclic peptoids. <i>CrystEngComm</i> , 2016, 18, 8838-8848.	2.6	15
51	Highly Diastereoselective Crown Ether Catalyzed Arylogous Michael Reaction of 3-Aryl Phthalides. <i>Organic Letters</i> , 2017, 19, 4383-4386.	4.6	15
52	Cation-Induced Molecular Switching Based on Reversible Modulation of Peptoid Conformational States. <i>Journal of Organic Chemistry</i> , 2018, 83, 12648-12663.	3.2	15
53	Peptoid-based siderophore mimics as dinuclear Fe ³⁺ chelators. <i>Dalton Transactions</i> , 2020, 49, 6020-6029.	3.3	15
54	Antibacterial and ATP Synthesis Modulating Compounds from <i>Salvia tingitana</i> . <i>Journal of Natural Products</i> , 2020, 83, 1027-1042.	3.0	14

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55	Synthesis of calicoferol E and astrogorgiadiol, two marine 9,10-secosteroids. <i>Tetrahedron Letters</i> , 1998, 39, 4741-4744.	1.4	13
56	C2-symmetrical sterol- α -polyether conjugates as highly efficient synthetic ionophores. <i>Tetrahedron Letters</i> , 2003, 44, 6121-6124.	1.4	13
57	Carboxyalkyl peptoid PNAs: synthesis and hybridization properties. <i>Tetrahedron</i> , 2012, 68, 499-506.	1.9	13
58	Cyclic Peptoids as Topological Templates: Synthesis via Central to Conformational Chirality Induction. <i>Organic Letters</i> , 2018, 20, 640-643.	4.6	13
59	Role of Side Chains in the Solid State Assembly of Cyclic Peptoids. <i>Crystal Growth and Design</i> , 2019, 19, 125-133.	3.0	13
60	Excited state intramolecular proton transfer in free base hemiporphyrzine. <i>Chemical Physics Letters</i> , 2002, 354, 160-164.	2.6	12
61	Design, Synthesis, and Hybridisation of Water-Soluble, Peptoid Nucleic Acid Oligomers Tagged with Thymine. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 6113-6120.	2.4	12
62	Stereocontrolled synthesis of contignasterol's side chain. <i>Tetrahedron Letters</i> , 2001, 42, 8977-8980.	1.4	11
63	Synthesis of potentially anti-inflammatory IPL576,092-contignasterol and IPL576,092-manoalide hybrids. <i>Tetrahedron</i> , 2004, 60, 5587-5593.	1.9	11
64	Catalytic Alkylation of 2-Aryl-2-oxazoline-4-carboxylic Acid Esters Using Cyclopeptoids; Newly Designed Phase-Transfer Catalysts. <i>Synthesis</i> , 2017, 49, 1319-1326.	2.3	11
65	Tuning the biomimetic performances of 4-hydroxyproline-containing cyclic peptoids. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 6708-6717.	2.8	11
66	Synthesis of incrustasterols, two cytotoxic polyoxygenated sponge steroids. <i>Tetrahedron Letters</i> , 1996, 37, 4775-4776.	1.4	10
67	Steroid-based head-to-tail amphiphiles as effective iono- and protonophores. <i>Tetrahedron</i> , 2005, 61, 10689-10698.	1.9	10
68	An Entry to Enantioenriched 3,3-Disubstituted Phthalides through Asymmetric Phase-Transfer-Catalyzed β -Alkylation. <i>Journal of Organic Chemistry</i> , 2020, 85, 7476-7484.	3.2	10
69	Asymmetric trifluoromethylthiolation of azlactones under chiral phase transfer catalysis. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2914-2920.	2.8	10
70	A synthetic approach towards stoloniferones: synthesis of 11-acetyl-24-desmethyl-stoloniferone C. <i>Tetrahedron Letters</i> , 2001, 42, 1575-1577.	1.4	9
71	Switchable Diastereoselectivity in the Fluoride-Promoted Vinylogous Mukaiyama- α -Michael Reaction of 2-[(Trimethylsilyl)oxy]furan Catalyzed by Crown Ethers. <i>Journal of Organic Chemistry</i> , 2017, 82, 6629-6637.	3.2	9
72	Topologically Diverse Shapes Accessible by Modular Design of Arylopeptoid Macrocycles. <i>Organic Letters</i> , 2018, 20, 268-271.	4.6	9

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73	Synthesis, crystallization, X-ray structural characterization and solid-state assembly of a cyclic hexapeptoid with propargyl and methoxyethyl side chains. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017, 73, 399-412.	1.1	9
74	Synthesis of unusual cholestane analogs by Diels-Alder reaction (A+CD $\hat{=}$ ABCD). <i>Tetrahedron Letters</i> , 1997, 38, 2155-2158.	1.4	8
75	Studies Towards the Synthesis of Aplykurodins - Synthesis of 17,18-Dihydro-3,9-di-epi-aplykurodinone B. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 439-448.	2.4	8
76	Novel Syntheses of (E)- and (Z)-Volkendousin, Cytotoxic Steroids from the Plant <i>Melia volkensii</i> . <i>European Journal of Organic Chemistry</i> , 2000, 2000, 3247-3252.	2.4	8
77	Enantioselective synthesis of a trans -ethenyl-hydrindene, a useful steroid CD-ring diene precursor. <i>Tetrahedron Letters</i> , 2001, 42, 1155-1157.	1.4	7
78	Cyclic Octamer Peptoids: Simplified Isosters of Bioactive Fungal Cyclodepsipeptides. <i>Molecules</i> , 2018, 23, 1779.	3.8	7
79	Unprecedented Diastereoselective Arylogous Michael Addition of Unactivated Phthalides. <i>Chemistry - A European Journal</i> , 2019, 25, 7131-7141.	3.3	7
80	Two Novel Polyhydroxysteroids with a 24-Ethyl-25-hydroxy-26-sulfoxy Side Chain from the Deep Water Starfish <i>Styrocaster caroli</i> . <i>Journal of Natural Products</i> , 1996, 59, 386-390.	3.0	6
81	Studies towards the total synthesis of contignasterol. <i>Tetrahedron</i> , 2004, 60, 5577-5586.	1.9	6
82	On the importance of the pore inner cavity for the ionophoric activity of 1,3-alternate calix[4]arene/steroid conjugates. <i>Tetrahedron</i> , 2006, 62, 5385-5391.	1.9	6
83	Cyclic hexapeptoids with N-alkyl side chains: solid-state assembly and thermal behaviour. <i>CrystEngComm</i> , 2020, 22, 6371-6384.	2.6	6
84	Propyne Gas Adsorption in a Cyclic Hexapeptoid: A Combined In Situ XRPD and DFTB Study**. <i>Chemistry - A European Journal</i> , 2020, 26, 14320-14323.	3.3	6
85	From Cyclic Peptoids to Peraza-macrocycles: A General Reductive Approach. <i>Organic Letters</i> , 2019, 21, 7365-7369.	4.6	5
86	Role of Lipophilicity in the Activity of Hexameric Cyclic Peptoid Ion Carriers. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 464-472.	2.4	5
87	Right- and left-handed PPI helices in cyclic dodecapeptoids. <i>Chemical Communications</i> , 2022, 58, 5253-5256.	4.1	5
88	Sterol composition of the $\hat{=}$ living fossil $\hat{=}$ crinoid <i>Gymnocrinus richeri</i> . <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1991, 100, 647-651.	0.2	4
89	Elaborate Supramolecular Architectures Formed by Co-Assembly of Metal Species and Peptoid Macrocycles. <i>Crystal Growth and Design</i> , 2021, 21, 3889-3901.	3.0	4
90	Properties and Bioactivities of Peptoids Tagged with Heterocycles. <i>Heterocycles</i> , 2010, 82, 981.	0.7	3

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91	Synthesis and characterization of new Na ⁺ complexes of <i>N</i> -benzyl cyclic peptoids and their role in the ring opening polymerization of ϵ -lactide. <i>New Journal of Chemistry</i> , 2021, 45, 5410-5420.	2.8	3
92	Cover Picture: Azumamides A–E: Histone Deacetylase Inhibitory Cyclic Tetrapeptides from the Marine Sponge <i>Mycale izuensis</i> / Total Synthesis of Azumamides A and E Z602047 Z602033 (<i>Angew. Chem. Int. Ed.</i>) Tj ETQ080 rgBT /Overloc	2.8	0
93	Unprecedented Diastereoselective Arylogous Michael Addition of Unactivated Phthalides. <i>Chemistry - A European Journal</i> , 2019, 25, 7043-7043.	3.3	0
94	Structural dynamism of chiral sodium peraza-macrocyclic complexes derived from cyclic peptoids. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 7420-7431.	2.8	0