

Roberto Romeo

List of Publications by Year in descending order

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91
papers

2,755
citations

172457

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214800

47
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107
all docs

107
docs citations

107
times ranked

2679
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene quantum dots for cancer targeted drug delivery. <i>International Journal of Pharmaceutics</i> , 2017, 518, 185-192.	5.2	268
2	Homo-PROTACs: bivalent small-molecule dimerizers of the VHL E3 ubiquitin ligase to induce self-degradation. <i>Nature Communications</i> , 2017, 8, 830.	12.8	184
3	Highly efficient and versatile acetylation of alcohols catalyzed by cerium(III) triflate. <i>Tetrahedron Letters</i> , 2003, 44, 5621-5624.	1.4	111
4	Pyridine and Pyrimidine Derivatives as Privileged Scaffolds in Biologically Active Agents. <i>Current Medicinal Chemistry</i> , 2020, 26, 7166-7195.	2.4	78
5	Synthesis and Biological Activity of Isoxazolidinyl Polycyclic Aromatic Hydrocarbons: A Potential DNA Intercalators. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 709-715.	6.4	74
6	Synthesis of Phosphonated Carbocyclic 2'-Oxa-3'-aza-nucleosides: A Novel Inhibitors of Reverse Transcriptase. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 1389-1394.	6.4	72
7	Enantioselective Syntheses and Cytotoxicity of N,O-Nucleosides. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 3696-3702.	6.4	70
8	Synthesis and Biological Activity of Phosphonated Nucleosides: Part 1 Furanose, Carbocyclic and Heterocyclic Analogues. <i>Current Medicinal Chemistry</i> , 2006, 13, 3675-3695.	2.4	64
9	Antiviral activity of seed extract from <i>Citrus bergamia</i> towards human retroviruses. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 2084-2089.	3.0	60
10	Homochiral 1 [±] -d- and 1 ² -d-Isoxazolidinylthymidines via 1,3-Dipolar Cycloaddition. <i>Journal of Organic Chemistry</i> , 1999, 64, 9321-9327.	3.2	58
11	Determination of Oxygen Heterocyclic Components in Citrus Products by HPLC with UV Detection. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 6543-6551.	5.2	57
12	Synthesis of C-4'-Truncated Phosphonated Carbocyclic 2'-Oxa-3'-azanucleosides as Antiviral Agents. <i>Journal of Organic Chemistry</i> , 2010, 75, 2798-2805.	3.2	54
13	Phosphonated Carbocyclic 2'-Oxa-3'-azanucleosides as New Antiretroviral Agents. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 3747-3750.	6.4	49
14	Isoxazolidinyl polycyclic aromatic hydrocarbons as DNA-intercalating antitumor agents. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 129-136.	5.5	48
15	Experimental and theoretical study of the 1,3-dipolar cycloaddition between d-glyceraldehyde nitrones and acrylates. Diastereoselective approach to 4-hydroxy pyroglutamic acid derivatives. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 173-190.	1.8	46
16	Removal of heavy metal ions from wastewaters using dendrimer-functionalized multi-walled carbon nanotubes. <i>Environmental Science and Pollution Research</i> , 2017, 24, 14735-14747.	5.3	45
17	Isoxazolidine analogues of pseudouridine: a new class of modified nucleosides. <i>Tetrahedron</i> , 2003, 59, 4733-4738.	1.9	42
18	Radical-based reduction of phosphine sulfides and phosphine selenides by (Me ₃ Si) ₃ SiH. <i>Tetrahedron Letters</i> , 2000, 41, 9899-9902.	1.4	40

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19	Modified dideoxynucleosides: Synthesis of 2'-N-alkyl-3'-hydroxyalkyl-1',2'-isoxazolidinyl thymidine and 5-fluorouridine derivatives. <i>Tetrahedron</i> , 1996, 52, 8889-8898.	1.9	39
20	±-Amino acids as chiral educts for stereoselective syntheses of pyrrolidine and pyrrolizidine systems. <i>Tetrahedron</i> , 1995, 51, 5689-5700.	1.9	38
21	Diastereoselective synthesis of N,O-psiconucleosides via 1,3-dipolar cycloadditions. <i>Tetrahedron Letters</i> , 2001, 42, 1777-1780.	1.4	38
22	Modified nucleosides. A general and diastereoselective approach to N,O-psiconucleosides. <i>Tetrahedron</i> , 2002, 58, 581-587.	1.9	36
23	An asymmetric approach to pyrrolidinone and pyrrolizidinone systems by intramolecular oxime-olefin cycloaddition. <i>Tetrahedron</i> , 1996, 52, 7875-7884.	1.9	34
24	Diastereoselective and enantioselective synthesis of 4'-aza analogues of 2',3'-dideoxynucleosides. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 2045-2048.	1.8	34
25	Diastereo- and enantioselective synthesis of N,O-nucleosides. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 2717-2723.	1.8	33
26	Effect of Phosphonated Carbocyclic 2'-Oxa-3'-Aza-Nucleoside on Human T-Cell Leukemia Virus Type 1 Infection In Vitro. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 54-64.	3.2	33
27	Stereoselective synthesis of fused β-lactams by intramolecular nitron cycloaddition. <i>Tetrahedron</i> , 1994, 50, 5503-5514.	1.9	31
28	Synthesis and biological evaluation of phosphonated carbocyclic 2'-oxa-3'-aza-nucleosides. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 955-959.	3.0	31
29	A Stereoselective Approach to Isoxazolidinyl Nucleosides. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 1893-1898.	2.4	30
30	MW-assisted Er(OTf) ₃ -catalyzed mild cleavage of isopropylidene acetals in Tricky substrates. <i>Tetrahedron Letters</i> , 2008, 49, 1961-1964.	1.4	30
31	Oxazole-Based Compounds As Anticancer Agents. <i>Current Medicinal Chemistry</i> , 2020, 26, 7337-7371.	2.4	30
32	Diastereoselective synthesis of homo-N,O-nucleosides. <i>Tetrahedron</i> , 2004, 60, 441-448.	1.9	29
33	Pyrimidine 2,4-Diones in the Design of New HIV RT Inhibitors. <i>Molecules</i> , 2019, 24, 1718.	3.8	28
34	Truncated Reverse Isoxazolidinyl Nucleosides: A New Class of Allosteric HIV-1 Reverse Transcriptase Inhibitors. <i>ChemMedChem</i> , 2012, 7, 565-569.	3.2	27
35	Diastereoselective Synthesis of N,O-Psiconucleosides, a New Class of Modified Nucleosides. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 1206-1212.	2.4	26
36	Phenolic components of <i>Olea europea</i> : Isolation of new tyrosol and hydroxytyrosol derivatives. <i>Food Chemistry</i> , 2006, 95, 562-565.	8.2	26

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37	Synthesis and biological evaluation of 3-hydroxymethyl-5-(1H-1,2,3-triazol) isoxazolidines. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 7929-7937.	3.0	26
38	Ring-opening of isoxazolidine nucleus: Competitive formation of $\hat{1},\hat{1}^2$ -enones and tetrahydro-1,3-oxazines. <i>Tetrahedron</i> , 1995, 51, 2979-2990.	1.9	25
39	Base-Free Copper-Catalyzed Azide-Alkyne Click Cycloadditions (CuAAC) in Natural Deep Eutectic Solvents as Green and Catalytic Reaction Media**. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4777-4789.	2.4	25
40	Truncated phosphonated C-1 $\hat{2}$ -branched N,O-nucleosides: A new class of antiviral agents. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 3652-3657.	3.0	24
41	A Novel Class of Modified Nucleosides: Synthesis of Alkylidene Isoxazolidinyl Nucleosides Containing Thymine. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 1517-1521.	2.4	23
42	Synthesis and Biological Properties of 5-(1H-1,2,3-Triazol-4-yl)isoxazolidines: A New Class of C-Nucleosides. <i>Molecules</i> , 2015, 20, 5260-5275.	3.8	23
43	Synthesis of spiro[isindole-1,5 $\hat{2}$ -isoxazolidin]-3(2 <i>H</i>)-ones as potential inhibitors of the MDM2-p53 interaction. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 2793-2807.	2.2	23
44	Synthesis and biological evaluation of furopyrimidine N,O-nucleosides. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 5688-5693.	3.0	22
45	Synthesis and biological activity of new arenediyne-linked isoxazolidines. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 3379-3385.	3.0	22
46	C-5 $\hat{2}$ -Triazolyl-2 $\hat{2}$ -oxa-3 $\hat{2}$ -aza-4 $\hat{2}$ -a-carbanucleosides: Synthesis and biological evaluation. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 328-334.	2.2	22
47	Synthesis and thermotropic properties of new green electrochromic ionic liquid crystals. <i>New Journal of Chemistry</i> , 2019, 43, 18285-18293.	2.8	22
48	New Rearrangement of 4-Isoxazoline System: $\hat{1}$ Conversion of Ketones into $\hat{1},\hat{1}^2$ -Unsaturated Amides. <i>Journal of Organic Chemistry</i> , 2003, 68, 3718-3720.	3.2	21
49	Synthesis and biological evaluation of phosphonated dihydroisoxazole nucleosides. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 3818-3824.	3.0	21
50	Stereoselective synthesis of isoxazole and pyrazole annulated sultams via intramolecular 1,3-dipolar cycloaddition reactions. <i>Tetrahedron</i> , 1997, 53, 13855-13866.	1.9	20
51	The PdCl ₂ /R ₃ SiH system for the silylation of nucleosides. <i>Tetrahedron Letters</i> , 1999, 40, 1197-1200.	1.4	20
52	Intramolecular Cycloadditions of $\hat{1},\hat{1}$ -Allyloxycarbonylnitrones: $\hat{1}$ Stereoselective Synthesis of 3-Amino-2(5H)furanones. <i>Journal of Organic Chemistry</i> , 2002, 67, 4380-4383.	3.2	20
53	Chiral Synthesis of Carbocyclic Nucleoside Analogs from Noncarbohydrate Precursors. <i>Current Organic Chemistry</i> , 2007, 11, 999-1016.	1.6	20
54	Synthesis of Methyleneisoxazolidine Nucleoside Analogues by Microwave-Assisted Nitrene Cycloaddition. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 4758-4764.	2.4	20

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55	Synthesis of 5-alkynyl Isoxazolidinyl Nucleosides. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5690-5695.	2.4	19
56	First Example of Direct RuO ₄ -Catalyzed Oxidation of Isoxazolidines to 3-Isoxazolidones. <i>Journal of Organic Chemistry</i> , 2007, 72, 3958-3960.	3.2	18
57	Functionalized polyhedral oligosilsesquioxane (POSS) based composites for bone tissue engineering: synthesis, computational and biological studies. <i>RSC Advances</i> , 2020, 10, 11325-11334.	3.6	18
58	A Convenient Method for the Synthesis of N-Vinyl Derivatives of Nucleobases. <i>Synthesis</i> , 2002, 2002, 0172.	2.3	17
59	3,4-DHPEA-EA from <i>Olea Europaea</i> L. is effective against standard and clinical isolates of <i>Staphylococcus</i> sp. <i>Annals of Clinical Microbiology and Antimicrobials</i> , 2014, 13, 24.	3.8	17
60	Synthesis and Biological Activity of Triazole-Appended N-Nucleosides. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5442-5447.	2.4	17
61	1,2,4-Oxadiazole-5-ones as analogues of tamoxifen: synthesis and biological evaluation. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4892-4905.	2.8	16
62	Ring opening of the isoxazolidine system: A new synthesis of 3-amino-2(5H)furanones. <i>Tetrahedron</i> , 1995, 51, 8605-8612.	1.9	15
63	Synthesis of 4-thionucleosides by 1,3-dipolar cycloadditions of the simplest thiocarbonyl ylide with alkenes bearing electron-withdrawing groups. <i>Tetrahedron Letters</i> , 2007, 48, 4915-4918.	1.4	15
64	Intramolecular nitrile oxide cycloaddition (INOC) of substituted amido-oximes. <i>Tetrahedron</i> , 1996, 52, 14323-14334.	1.9	14
65	Syntheses of new chiral bicyclic sultams and their use as auxiliaries in asymmetric conjugate addition of Grignard reagents. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 1915-1921.	1.8	14
66	Steric course of some cyclopropanation reactions of L-threo-hex-4-enopyranosides. <i>Tetrahedron</i> , 2004, 60, 3787-3795.	1.9	12
67	3-Amino-2(5H)furanones as inhibitors of subgenomic hepatitis C virus RNA replication. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 9610-9615.	3.0	12
68	The role of the hydrogen bonding in cycloadditions of benzonitrile oxide with cyanophenols. <i>Tetrahedron</i> , 1996, 52, 7885-7892.	1.9	11
69	Stereoselective 1,3-dipolar cycloadditions of nitrones derived from amino acids. Asymmetric synthesis of N-(alkoxycarbonylmethyl)-3-hydroxypyrrolidin-2-ones. <i>Tetrahedron</i> , 2013, 69, 9381-9390.	1.9	11
70	Enantiomerically Pure Phosphonated Carbocyclic 2'-Oxa-3'-Azanucleosides: Synthesis and Biological Evaluation. <i>Molecules</i> , 2014, 19, 14406-14416.	3.8	11
71	1,2,3-Triazole/MWCNT conjugates as filler for gelcoat nanocomposites: new active antibiofouling coatings for marine application. <i>Materials Research Express</i> , 2015, 2, 115001.	1.6	11
72	4-C-Branches N,O-nucleosides: synthesis and biological properties. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 3903-3909.	3.0	10

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73	A new microwave-assisted thionation-heterocyclization process leading to benzo[c]thiophene-1(3H)-thione and 1H-isothiochromene-1-thione derivatives. RSC Advances, 2016, 6, 20777-20780.	3.6	10
74	Chiral Synthesis of Heterosubstituted Nucleoside Analogs from Noncarbohydrate Precursors. Current Organic Chemistry, 2007, 11, 1017-1032.	1.6	9
75	The High Selectivity of the Cp2ZrHCl Reducing Agent for Imides: A Combined Experimental and Theoretical Study on β -Lactam and Isoxazolidinone Derivatives. European Journal of Organic Chemistry, 2013, 2013, 95-104.	2.4	9
76	Selective COX-2 Inhibitory Properties of Dihydrostilbenes from Liquorice Leaves "In Vitro" Assays and Structure/Activity Relationship Study. Natural Product Communications, 2014, 9, 1934578X1400901.	0.5	8
77	Enantioselective synthesis of isoxazolidinyl nucleosides containing uracil, 5-fluorouracil, thymine and cytosine as new potential anti-HIV drugs. Arkivoc, 2003, 2002, 159-167.	0.5	8
78	Intramolecular nitron cycloaddition: Stereoselective synthesis of piperidine systems. Tetrahedron, 1996, 52, 14311-14322.	1.9	7
79	Structural characterization of isoxazolidinyl nucleosides by fast atom bombardment tandem mass spectrometry. Journal of Mass Spectrometry, 2001, 36, 1220-1225.	1.6	7
80	From Amino Acids to Enantiopure Bicyclic Isoxazolidinylpyridin-4(1H)-ones through Intramolecular Nitron Cycloadditions. European Journal of Organic Chemistry, 2005, 2005, 2368-2373.	2.4	7
81	Intramolecular oxidative palladium-catalyzed diamination reactions of alkenyl sulfamates: an efficient synthesis of [1,2,5]thiadiazolo-fused piperazinones. RSC Advances, 2016, 6, 57521-57529.	3.6	7
82	Synthesis of N,O- homonucleosides with high conformational freedom. Arkivoc, 2009, 2009, 168-176.	0.5	6
83	Synthesis and characterization in solid and solution of trans-dichloro-1-(2,6-difluorophenyl)-1H,3H-thiazolo[3,4-a]-benzimidazole(tri-n-propyl-phosphine)-palladium(II) μ^3 : A palladium(II) complex of a ligand with anti-HIV properties. Journal of Inorganic Biochemistry, 1997, 65, 97-102.	3.5	5
84	Stereoselective Synthesis of Enantiomerically Pure Isoxazolidine-fused d-Lactams. Heterocycles, 1999, 51, 37.	0.7	5
85	Synthesis of pyrimidine-containing 3-aminobutenolides. Tetrahedron, 2004, 60, 6593-6596.	1.9	4
86	5-(3-Phosphonated 1H-1,2,3-triazol-4-yl)isoxazolidines: synthesis, DFT studies and biological properties. Arkivoc, 2015, 2015, 253-269.	0.5	4
87	Synthesis and Biological Evaluation of 2,3,4-Triaryl-1,2,4-oxadiazol-5-ones as p38 MAPK Inhibitors. Molecules, 2021, 26, 1745.	3.8	3
88	Formation of 3-Aminofuran-2-(5H)-ones and 3-Amino-1H-pyrrole-2,5-diones by Rearrangement of Isoxazolidines. Synlett, 2011, 2011, 245-248.	1.8	2
89	Ruthenium Tetroxide Oxidation of N-Methyl-Isoxazolidine: Computational Mechanistic Study. Arabian Journal of Chemistry, 2022, , 104063.	4.9	1
90	Syntheses of New Chiral Bicyclic Sultams and Their Use as Auxiliaries in Asymmetric Conjugate Addition of Grignard Reagents.. ChemInform, 2003, 34, no.	0.0	0

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91	Highly Efficient and Versatile Acetylation of Alcohols Catalyzed by Cerium(III) Triflate.. ChemInform, 2003, 34, no.	0.0	0