

Anthony Romieu

List of Publications by Year in descending order

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110
papers

6,920
citations

126907

33
h-index

60623

81
g-index

124
all docs

124
docs citations

124
times ranked

10892
citing authors

#	ARTICLE	IF	CITATIONS
1	Reappraising Schmidpeter's bis(iminophosphoranyl)phosphides: coordination to transition metals and bonding analysis. <i>Chemical Science</i> , 2021, 12, 253-269.	7.4	7
2	Design, synthesis and evaluation of enzyme-responsive fluorogenic probes based on pyridine-flanked diketopyrrolopyrrole dyes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 248, 119179.	3.9	4
3	Coumarinâ€Pyronin Hybrid Dyes: Synthesis, Fluorescence Properties and Theoretical Calculations**. <i>ChemPhotoChem</i> , 2021, 5, 822-838.	3.0	2
4	Regioselective Câ€H amination of free base porphyrins <i>via</i> electrogenerated pyridinium-porphyrins and stabilization of easily oxidized amino-porphyrins by protonation. <i>Chemical Communications</i> , 2020, 56, 884-887.	4.1	4
5	Fluorogenic Enzyme-Triggered Domino Reactions Producing Quinoxalin-2(1H)-one-based Heterocycles. <i>Organic Letters</i> , 2020, 22, 6494-6499.	4.6	7
6	N-Alkylation of 2-methoxy-10H-phenothiazine revisited. A facile entry to diversely N-substituted phenothiazine-coumarin hybrid dyes. <i>Tetrahedron Letters</i> , 2020, 61, 152582.	1.4	5
7	Using Native Chemical Ligation for Siteâ€Specific Synthesis of Heteroâ€bisâ€lanthanide Peptide Conjugates: Application to Ratiometric Visible or Nearâ€Infrared Detection of Zn 2+. <i>Chemistry - A European Journal</i> , 2020, 26, 13476-13483.	3.3	6
8	Synthesis and spectral properties of 6â€2-triazolyl-dihydroxanthene-hemicyanine fused near-infrared dyes. <i>New Journal of Chemistry</i> , 2020, 44, 12208-12215.	2.8	3
9	Synthetic routes to novel fluorogenic pyronins and silicon analogs with far-red spectral properties and enhanced aqueous stability. <i>Dyes and Pigments</i> , 2020, 180, 108496.	3.7	3
10	A novel water-soluble BODIPY dye as red fluorescent probe for imaging hypoxic status of human cancer cells. <i>Mendeleev Communications</i> , 2020, 30, 750-752.	1.6	5
11	Functionalization of theranostic AgAuXÃ® nanoparticles for PET/MRI/optical imaging. <i>RSC Advances</i> , 2019, 9, 24811-24815.	3.6	16
12	The Scope of Application of Macrocyclic Polyamines Beyond Metal Chelation. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6146-6157.	2.4	13
13	A bacteriochlorin-diketopyrrolopyrrole triad as a donor for solution-processed bulk heterojunction organic solar cells. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9655-9664.	5.5	5
14	Reinvestigation of the synthesis of â€covalent-assemblyâ€type probes for fluoride ion detection. Identification of novel 7-(diethylamino)coumarins with aggregation-induced emission properties. <i>Tetrahedron Letters</i> , 2019, 60, 151279.	1.4	8
15	Real-time molecular optical micro-imaging of EGFR mutations using a fluorescent erlotinib based tracer. <i>BMC Pulmonary Medicine</i> , 2019, 19, 3.	2.0	5
16	Divergent synthesis of 5â€2,7â€2-difluorinated dihydroxanthene-hemicyanine fused near-infrared fluorophores. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4291-4300.	2.8	6
17	Deeper insight into protease-sensitive â€covalent-assemblyâ€fluorescent probes for practical biosensing applications. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 8918-8932.	2.8	18
18	Near-infrared emissive bacteriochlorin-diketopyrrolopyrrole triads: Synthesis and photophysical properties. <i>Dyes and Pigments</i> , 2019, 160, 747-756.	3.7	15

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19	Oxidative C-N fusion of pyridinyl-substituted porphyrins. <i>Chemical Communications</i> , 2018, 54, 5414-5417.	4.1	20
20	Rationalisation of the optical signatures of <i>nor</i> -dihydroxanthene-hemicyanine fused near-infrared fluorophores by first-principle tools. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 12120-12128.	2.8	3
21	Kinetics improvement of protease-mediated formation of pyronin dyes. <i>Tetrahedron Letters</i> , 2018, 59, 1940-1944.	1.4	12
22	Site-specific near-infrared fluorescent labelling of proteins on cysteine residues with <i>meso</i> -chloro-substituted heptamethine cyanine dyes. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8831-8836.	2.8	31
23	Quest for novel fluorogenic xanthene dyes: Synthesis, spectral properties and stability of 3-imino-3H-xanthen-6-amine (pyronin) and its silicon analog. <i>Tetrahedron Letters</i> , 2018, 59, 4574-4581.	1.4	8
24	Synthesis, stability and spectral behavior of fluorogenic sulfone-pyronin and sulfone-rosamine dyes. <i>Dyes and Pigments</i> , 2018, 159, 262-274.	3.7	18
25	Synthesis of <i>N,N</i> -dialkylamino- <i>nor</i> -dihydroxanthene-Hemicyanine Fused Near-Infrared Fluorophores and Their First Water-Soluble and/or Bioconjugatable Analogues. <i>Chemistry - an Asian Journal</i> , 2017, 12, 936-946.	3.3	19
26	In situ formation of pyronin dyes for fluorescence protease sensing. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2575-2584.	2.8	22
27	Azo-Based Fluorogenic Probes for Biosensing and Bioimaging: Recent Advances and Upcoming Challenges. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2008-2028.	3.3	90
28	Synthesis and photophysical properties of iron-carbonyl complex-coumarin conjugates as potential bimodal IR-fluorescent probes. <i>Tetrahedron Letters</i> , 2016, 57, 4991-4996.	1.4	5
29	Divergent Synthesis of Dihydroxanthene-Hemicyanine Fused Near-Infrared Fluorophores through the Late-Stage Amination of a Bifunctional Precursor. <i>Organic Letters</i> , 2016, 18, 5122-5125.	4.6	30
30	An expedient synthesis of <i>N,N</i> -dialkylamino-dihydroxanthene-pyrylium conjugated near-infrared fluorescent dyes. <i>Tetrahedron Letters</i> , 2016, 57, 317-320.	1.4	19
31	On the synthesis of functionalized porphyrins and porphyrin conjugates via β^2 -aminoporphyrins. <i>New Journal of Chemistry</i> , 2016, 40, 5758-5774.	2.8	34
32	Highly Fluorescent and Water-Soluble Diketopyrrolopyrrole Dyes for Bioconjugation. <i>Angewandte Chemie</i> , 2015, 127, 3038-3042.	2.0	17
33	New β -(Heteroaryl)- α -iminocoumarin-based Borate Complexes: Synthesis, Photophysical Properties, and Rational Functionalization for Biosensing/Biolabeling Applications. <i>Chemistry - A European Journal</i> , 2015, 21, 14589-14601.	3.3	14
34	Dual enzyme-responsive α -turn-on fluorescence sensing systems based on in situ formation of 7-hydroxy-2-iminocoumarin scaffolds. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 10348-10361.	2.8	32
35	Azobenzene-caged sulforhodamine dyes: a novel class of α -turn-on TM reactive probes for hypoxic tumor cell imaging. <i>Methods and Applications in Fluorescence</i> , 2015, 3, 044004.	2.3	26
36	Rational Design of Latent Fluorophores from Water-Soluble Hydroxyphenyltriazine Dyes Suitable for Lipase Sensing. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 1664-1669.	2.4	10

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37	Highly Fluorescent and Water-Soluble Diketopyrrolopyrrole Dyes for Bioconjugation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2995-2999.	13.8	54
38	A FRET-based probe for fluorescence sensing of sulfide/sulfite analytes, using a novel long-wavelength water-soluble 7-hydroxycoumarin as reporter fluorophore. <i>Tetrahedron Letters</i> , 2015, 56, 1015-1019.	1.4	30
39	Fluorescent reactive molecular logic gates: a gateway to multi-analyte bioimaging and biosensing. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1294-1306.	2.8	68
40	A Novel Bio-Orthogonal Cross-Linker for Improved Protein/Protein Interaction Analysis. <i>Analytical Chemistry</i> , 2015, 87, 1853-1860.	6.5	24
41	Rapid Synthesis of Unsymmetrical Sulforhodamines Through Nucleophilic Amination of a Monobrominated Sulfoxanthene Dye. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 152-165.	2.4	9
42	A Synthetic Route to 3-(Heteroaryl)-7-hydroxycoumarins Designed for Biosensing Applications. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 166.	2.4	22
43	New insights into the water-solubilization of thiol-sensitive fluorogenic probes based on long-wavelength 7-hydroxycoumarin scaffolds. <i>Dyes and Pigments</i> , 2014, 110, 270-284.	3.7	21
44	Straightforward Access to Water-Soluble Unsymmetrical Sulfoxanthene Dyes: Application to the Preparation of Far-Red Fluorescent Dyes with Large Stokes Shifts. <i>Chemistry - A European Journal</i> , 2014, 20, 8330-8337.	3.3	36
45	Reaction site-driven regioselective synthesis of AChE inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 156-161.	2.8	23
46	Straightforward synthesis of bioconjugatable azo dyes. Part 2: Black Hole Quencher-2 (BHQ-2) and BlackBerry Quencher 650 (BBQ-650) scaffolds. <i>Tetrahedron Letters</i> , 2014, 55, 6764-6768.	1.4	9
47	Straightforward synthesis of bioconjugatable azo dyes. Part 1: Black Hole Quencher-1 (BHQ-1) scaffold. <i>Tetrahedron Letters</i> , 2014, 55, 6759-6763.	1.4	7
48	Kondratyeva Ligation: Diels-Alder-Based Irreversible Reaction for Bioconjugation. <i>Journal of Organic Chemistry</i> , 2014, 79, 10353-10366.	3.2	24
49	Thiocarbamate-Linked Polysulfonate-Peptide Conjugates As Selective Hepatocyte Growth Factor Receptor Binders. <i>Bioconjugate Chemistry</i> , 2014, 25, 1000-1010.	3.6	1
50	Azo-Sulforhodamine Dyes: A Novel Class of Broad Spectrum Dark Quenchers. <i>Organic Letters</i> , 2014, 16, 3946-3949.	4.6	23
51	Biochemical Characterization of a Caspase-3 Far-red Fluorescent Probe for Non-invasive Optical Imaging of Neuronal Apoptosis. <i>Journal of Molecular Neuroscience</i> , 2014, 54, 451-462.	2.3	5
52	Universal Dark Quencher Based on Clicked Spectrally Distinct Azo Dyes. <i>Organic Letters</i> , 2013, 15, 6082-6085.	4.6	20
53	The first latent green fluorophores for the detection of azoreductase activity in bacterial cultures. <i>Chemical Communications</i> , 2013, 49, 8815.	4.1	54
54	Bioconjugatable Azo-Based Dark Quencher Dyes: Synthesis and Application to Protease-Activatable Far-Red Fluorescent Probes. <i>Chemistry - A European Journal</i> , 2013, 19, 1686-1699.	3.3	37

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55	A novel sulfonated prosthetic group for [¹⁸ F]-radiolabelling and imparting water solubility of biomolecules and cyanine fluorophores. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 469-479.	2.8	22
56	The first comparative study of the ability of different hydrophilic groups to water-solubilise fluorescent BODIPY dyes. <i>New Journal of Chemistry</i> , 2013, 37, 1016.	2.8	46
57	The first "ready-to-use" benzene-based heterotrifunctional cross-linker for multiple bioconjugation. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2693.	2.8	30
58	Synthesis, Biological Evaluation, and <i>in Vivo</i> Imaging of the first Camptothecin-Fluorescein Conjugate. <i>Bioconjugate Chemistry</i> , 2013, 24, 1119-1133.	3.6	9
59	New insights into the water-solubilisation of fluorophores by post-synthetic "click" and Sonogashira reactions. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 4330.	2.8	26
60	Synthesis and reactivity of a bis-sultone cross-linker for peptide conjugation and [18F]-radiolabelling via unusual "double click" approach. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1068-1078.	2.8	10
61	Water-Soluble Red-Emitting Distyryl-Borondipyromethene (BODIPY) Dyes for Biolabeling. <i>Chemistry - A European Journal</i> , 2012, 18, 7229-7242.	3.3	87
62	The first metal-free water-soluble cryptophane-111. <i>Chemical Communications</i> , 2011, 47, 9702.	4.1	31
63	N-Fmoc- β -sulfo- β -alanine: a versatile building block for the water solubilisation of chromophores and fluorophores by solid-phase strategy. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5337.	2.8	21
64	A novel and unusually long-lived chemiluminophore based on the 7-hydroxycoumarin scaffold. <i>Chemical Communications</i> , 2011, 47, 6713.	4.1	19
65	Water-solubilisation and bio-conjugation of a red-emitting BODIPY marker. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 66-69.	2.8	68
66	Synthesis and luminescence properties of new red-shifted absorption lanthanide(III) chelates suitable for peptide and protein labelling. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2357.	2.8	14
67	A versatile access to new halogenated 7-azidocoumarins for photoaffinity labeling: Synthesis and photophysical properties. <i>Dyes and Pigments</i> , 2011, 91, 427-434.	3.7	12
68	A HTS Assay for the Detection of Organophosphorus Nerve Agent Scavengers. <i>Chemistry - A European Journal</i> , 2010, 16, 3510-3523.	3.3	52
69	Water solubilization of xanthene dyes by post-synthetic sulfonation in organic media. <i>Tetrahedron Letters</i> , 2010, 51, 3304-3308.	1.4	31
70	A universal and ready-to-use heterotrifunctional cross-linking reagent for facile synthetic access to sophisticated bioconjugates. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4329.	2.8	30
71	Facile and rapid access to linear and truncated microcystin analogues for the implementation of immunoassays. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 676-690.	2.8	8
72	A comparative study of the self-immolation of para-aminobenzylalcohol and hemithioaminal-based linkers in the context of protease-sensitive fluorogenic probes. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1777.	2.8	54

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73	Synthesis and structure-activity relationship of Huprine derivatives as human acetylcholinesterase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 4523-4536.	3.0	41
74	Water-Soluble BODIPY Derivatives. <i>Organic Letters</i> , 2009, 11, 2049-2052.	4.6	170
75	Self-cleavable chemiluminescent probes suitable for protease sensing. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 2941.	2.8	41
76	A new class of cleavable fluorescent nucleotides: synthesis and optimization as reversible terminators for DNA sequencing by synthesis. <i>Nucleic Acids Research</i> , 2008, 36, e25-e25.	14.5	124
77	Accurate whole human genome sequencing using reversible terminator chemistry. <i>Nature</i> , 2008, 456, 53-59.	27.8	3,118
78	Postsynthetic Derivatization of Fluorophores with L-Sulfo-L-alanine Dipeptide Linker. Application to the Preparation of Water-Soluble Cyanine and Rhodamine Dyes. <i>Bioconjugate Chemistry</i> , 2008, 19, 279-289.	3.6	46
79	A novel heterotrifunctional peptide-based cross-linking reagent for facile access to bioconjugates. Applications to peptide fluorescent labelling and immobilisation. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 3065.	2.8	29
80	Development of a New Nonpeptidic Self-Immolative Spacer. Application to the Design of Protease Sensing Fluorogenic Probes. <i>Organic Letters</i> , 2008, 10, 1517-1520.	4.6	60
81	Latent Fluorophores Based on a Self-Immolative Linker Strategy and Suitable for Protease Sensing. <i>Bioconjugate Chemistry</i> , 2008, 19, 1707-1718.	3.6	52
82	7-Hydroxycoumarin-Hemicyanine Hybrids: A New Class of Far-Red Emitting Fluorogenic Dyes. <i>Organic Letters</i> , 2008, 10, 4175-4178.	4.6	102
83	Novel Water-Soluble Near-Infrared Cyanine Dyes: Synthesis, Spectral Properties, and Use in the Preparation of Internally Quenched Fluorescent Probes. <i>Bioconjugate Chemistry</i> , 2007, 18, 1303-1317.	3.6	86
84	Chemiluminescent Probe for the in Vitro Detection of Protease Activity. <i>Organic Letters</i> , 2007, 9, 4853-4855.	4.6	56
85	Corrigendum to "Synthesis and post-synthetic derivatization of a cyanine-based amino acid. Application to the preparation of a novel water-soluble NIR dye". <i>Tetrahedron Letters</i> , 2007, 48, 501.	1.4	3
86	BTA, a novel reagent for DNA attachment on glass and efficient generation of solid-phase amplified DNA colonies. <i>Nucleic Acids Research</i> , 2006, 34, e22-e22.	14.5	184
87	Aminopropargyl derivative of terpyridine-bis(methyl-enamine) tetraacetic acid chelate of europium (Eu) Tj ETQq1 1 0.784314 rgBT /Over <i>Biomolecular Chemistry</i> , 2006, 4, 4165.	2.8	28
88	Latent fluorophores based on a Mannich cyclisation trigger. <i>Tetrahedron Letters</i> , 2006, 47, 6229-6233.	1.4	15
89	Synthesis and post-synthetic derivatization of a cyanine-based amino acid. Application to the preparation of a novel water-soluble NIR dye. <i>Tetrahedron Letters</i> , 2006, 47, 8279-8284.	1.4	33
90	Aryldithioethylxycarbonyl (Ardec): A New Family of Amine Protecting Groups Removable under Mild Reducing Conditions and Their Applications to Peptide Synthesis. <i>Chemistry - A European Journal</i> , 2006, 12, 3655-3671.	3.3	34

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91	A Labeled Neutral Endopeptidase Inhibitor as a Potential Tool for Tumor Diagnosis and Prognosis. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4058-4061.	13.8	12
92	Radiation-Induced DNA Damage: Formation, Measurement, and Biochemical Features. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2004, 23, 33-44.	1.2	96
93	Specificity and effect on apoptosis of Tat antibodies from vaccinated and SHIV-infected rhesus macaques and HIV-infected individuals. <i>Vaccine</i> , 2003, 21, 3186-3199.	3.8	15
94	Total direct chemical synthesis and biological activities of human group IIA secretory phospholipase A2. <i>Biochemical Journal</i> , 2002, 365, 505-511.	3.7	12
95	5-(PHENYLTHIOMETHYL)-2-DEOXYURIDINE AS AN EFFICIENT PHOTOREACTIVE PRECURSOR TO GENERATE SINGLE AND MULTIPLE LESIONS WITHIN DNA FRAGMENTS. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2001, 20, 967-971.	1.1	14
96	Highly sensitive and selective fluorescence assays for rapid screening of endothelin-converting enzyme inhibitors. <i>Biochemical Journal</i> , 2001, 356, 813.	3.7	12
97	Chemical and Biochemical Properties of Oligonucleotides that Contain (5S)-Cyclo-5,6-dihydro-2-deoxyuridine and (5S)-Cyclo-5,6-dihydrothymidine, Two Main Radiation-Induced Degradation Products of Pyrimidine 2-Deoxyribonucleosides. <i>Tetrahedron</i> , 2000, 56, 8689-8701.	1.9	25
98	Removal of oxygen free-radical-induced 5',8-purine cyclodeoxynucleosides from DNA by the nucleotide excision-repair pathway in human cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 3832-3837.	7.1	332
99	Repair and replication of oxidized DNA bases using modified oligodeoxyribonucleotides. <i>Biochimie</i> , 2000, 82, 19-24.	2.6	42
100	Oxidative base damage to DNA: specificity of base excision repair enzymes. <i>Mutation Research - Reviews in Mutation Research</i> , 2000, 462, 121-128.	5.5	102
101	Synthesis and UV Photolysis of Oligodeoxynucleotides That Contain 5-(Phenylthiomethyl)-2-deoxyuridine: A Specific Photolabile Precursor of 5-(2-Deoxyuridilyl)methyl Radical. <i>Organic Letters</i> , 2000, 2, 1085-1088.	4.6	97
102	Radiation-induced damage to DNA: mechanistic aspects and measurement of base lesions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1999, 151, 1-7.	1.4	19
103	Synthesis of Oligonucleotides Containing the (4R) and (4S) Diastereoisomers of 4,8-Dihydro-4-hydroxy-8-oxo-2-deoxyguanosine. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 49-56.	2.4	14
104	Synthesis and characterization of oligodeoxynucleotides containing the two 5R and 5S diastereoisomers of (5S)-5,6-cyclo-5,6-dihydrothymidine; radiation-induced tandem lesions of thymidine. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1999, , 1257-1264.	0.9	25
105	Synthesis and Characterization of Oligonucleotides Containing 5,8-Cyclopurine 2-Deoxyribonucleosides: (5R)-5,8-Cyclo-2-deoxyadenosine, (5S)-5,8-Cyclo-2-deoxyguanosine, and (5R)-5,8-Cyclo-2-deoxyguanosine. <i>Chemical Research in Toxicology</i> , 1999, 12, 412-421.	3.3	88
106	Synthesis and Characterization of Oligodeoxynucleotides Containing 5,8-Cyclopurine-2-Deoxyribonucleosides. <i>Nucleosides & Nucleotides</i> , 1999, 18, 1331-1333.	0.5	2
107	Excision of 5,6-Dihydroxy-5,6-dihydrothymine, 5,6-Dihydrothymine, and 5-Hydroxycytosine from Defined Sequence Oligonucleotides by <i>Escherichia coli</i> Endonuclease III and Fpg Proteins: A Kinetic and Mechanistic Aspect. <i>Biochemistry</i> , 1999, 38, 3335-3344.	2.5	98
108	Site-Specific Introduction of (5S)-5,8-Cyclo-2-deoxyadenosine into Oligodeoxyribonucleotides. <i>Journal of Organic Chemistry</i> , 1998, 63, 5245-5249.	3.2	80

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109	A Convenient Synthesis of 5-Hydroxy-2'-Deoxycytidine Phosphoramidite and its Incorporation into Oligonucleotides. <i>Tetrahedron Letters</i> , 1997, 38, 7531-7534.	1.4	28
110	In Situ Synthesis of Phenoxazine Dyes in Water: Application for "Turn-On" Fluorogenic and Chromogenic Detection of Nitric Oxide. <i>ChemPhotoChem</i> , 0, , .	3.0	5