Anthony Romieu

List of Publications by Year
in descending order

110	6,920	145106	68831
papers	citations	33 h-index	81 g-index

124	124	124	12285
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reappraising Schmidpeter's bis(iminophosphoranyl)phosphides: coordination to transition metals and bonding analysis. Chemical Science, 2021, 12, 253-269.	3.7	7
2	Design, synthesis and evaluation of enzyme-responsive fluorogenic probes based on pyridine-flanked diketopyrrolopyrrole dyes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 248, 119179.	2.0	4
3	Coumarinâ€Pyronin Hybrid Dyes: Synthesis, Fluorescence Properties and Theoretical Calculations**. ChemPhotoChem, 2021, 5, 822-838.	1.5	2
4	Regioselective Câ€“H amination of free base porphyrins via electrogenerated pyridinium-porphyrins and stabilization of easily oxidized amino-porphyrins by protonation. Chemical Communications, 2020, 56, 884-887.	2.2	4
5	Fluorogenic Enzyme-Triggered Domino Reactions Producing Quinoxalin-2(1H)-one-based Heterocycles. Organic Letters, 2020, 22, 6494-6499.	2.4	7
6	N-Alkylation of 2-methoxy-10H-phenothiazine revisited. A facile entry to diversely N-substituted phenothiazine-coumarin hybrid dyes. Tetrahedron Letters, 2020, 61, 152582.	0.7	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+. Chemistry - A European Journal, 2020, 26, 13476-13483.	1.7	6
8	Synthesis and spectral properties of 6â€²-triazolyl-dihydroxanthene-hemicyanine fused near-infrared dyes. New Journal of Chemistry, 2020, 44, 12208-12215.	1.4	3
9	Synthetic routes to novel fluorogenic pyronins and silicon analogs with far-red spectral properties and enhanced aqueous stability. Dyes and Pigments, 2020, 180, 108496.	2.0	3
10	A novel water-soluble BODIPY dye as red fluorescent probe for imaging hypoxic status of human cancer cells. Mendeleev Communications, 2020, 30, 750-752.	0.6	5
11	Functionalization of theranostic AGuIXÂ® nanoparticles for PET/MRI/optical imaging. RSC Advances, 2019, 9, 24811-24815.	1.7	16
12	The Scope of Application of Macrocyclic Polyamines Beyond Metal Chelation. European Journal of Organic Chemistry, 2019, 2019, 6146-6157.	1.2	13
13	A bacteriochlorin-diketopyrrolopyrrole triad as a donor for solution-processed bulk heterojunction organic solar cells. Journal of Materials Chemistry C, 2019, 7, 9655-9664.	2.7	5
14	Reinvestigation of the synthesis of â€œcovalent-assemblyâ€•type probes for fluoride ion detection. Identification of novel 7-(diethylamino)coumarins with aggregation-induced emission properties. Tetrahedron Letters, 2019, 60, 151279.	0.7	8
15	Real-time molecular optical micro-imaging of EGFR mutations using a fluorescent erlotinib based tracer. BMC Pulmonary Medicine, 2019, 19, 3.	0.8	5
16	Divergent synthesis of 5â€²,7â€²-difluorinated dihydroxanthene-hemicyanine fused near-infrared fluorophores. Organic and Biomolecular Chemistry, 2019, 17, 4291-4300.	1.5	6
17	Deeper insight into protease-sensitive â€œcovalent-assemblyâ€•fluorescent probes for practical biosensing applications. Organic and Biomolecular Chemistry, 2019, 17, 8918-8932.	1.5	18
18	Near-infrared emissive bacteriochlorin-diketopyrrolopyrrole triads: Synthesis and photophysical properties. Dyes and Pigments, 2019, 160, 747-756.	2.0	15

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19	Oxidative Câ€“N fusion of pyridinyl-substituted porphyrins. Chemical Communications, 2018, 54, 5414-5417.	2.2	20
20	Rationalisation of the optical signatures of nor-dihydroxanthene-hemicyanine fused near-infrared fluorophores by first-principle tools. Physical Chemistry Chemical Physics, 2018, 20, 12120-12128.	1.3	3
21	Kinetics improvement of protease-mediated formation of pyronin dyes. Tetrahedron Letters, 2018, 59, 1940-1944.	0.7	12
22	Site-specific near-infrared fluorescent labelling of proteins on cysteine residues withmeso-chloro-substituted heptamethine cyanine dyes. Organic and Biomolecular Chemistry, 2018, 16, 8831-8836.	1.5	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. Tetrahedron Letters, 2018, 59, 4574-4581.	0.7	8
24	Synthesis, stability and spectral behavior of fluorogenic sulfone-pyronin and sulfone-rosamine dyes. Dyes and Pigments, 2018, 159, 262-274.	2.0	18
25	Synthesis of N,Nâ€Dialkylaminoâ€norâ€Dihydroxantheneâ€Hemicyanine Fused Nearâ€Infrared Fluorophores and Their First Waterâ€Soluble and/or Bioconjugatable Analogues. Chemistry - an Asian Journal, 2017, 12, 936-946.	1.7	19
26	In situ formation of pyronin dyes for fluorescence protease sensing. Organic and Biomolecular Chemistry, 2017, 15, 2575-2584.	1.5	22
27	Azoâ€Based Fluorogenic Probes for Biosensing and Bioimaging: Recent Advances and Upcoming Challenges. Chemistry - an Asian Journal, 2017, 12, 2008-2028.	1.7	90
28	Synthesis and photophysical properties of iron-carbonyl complexâ€“coumarin conjugates as potential bimodal IRâ€“fluorescent probes. Tetrahedron Letters, 2016, 57, 4991-4996.	0.7	5
29	Divergent Synthesis of Dihydroxanthene-Hemicyanine Fused Near-Infrared Fluorophores through the Late-Stage Amination of a Bifunctional Precursor. Organic Letters, 2016, 18, 5122-5125.	2.4	30
30	An expedient synthesis of N,N-dialkylamino-dihydroxanthene-pyrylium conjugated near-infrared fluorescent dyes. Tetrahedron Letters, 2016, 57, 317-320.	0.7	19
31	On the synthesis of functionalized porphyrins and porphyrin conjugates via Î²-aminoporphyrins. New Journal of Chemistry, 2016, 40, 5758-5774.	1.4	34
32	Highly Fluorescent and Waterâ€Soluble Diketopyrrolopyrrole Dyes for Bioconjugation. Angewandte Chemie, 2015, 127, 3038-3042.	1.6	17
33	New 3â€(Heteroaryl)â€2â€iminocoumarinâ€based Borate Complexes: Synthesis, Photophysical Properties, and Rational Functionalization for Biosensing/Biolabeling Applications. Chemistry - A European Journal, 2015, 21, 14589-14601.	1.7	14
34	Dual enzyme-responsive â€œturn-onâ€•fluorescence sensing systems based on in situ formation of 7-hydroxy-2-iminocoumarin scaffolds. Organic and Biomolecular Chemistry, 2015, 13, 10348-10361.	1.5	32
35	Azobenzene-caged sulforhodamine dyes: a novel class of â€˜turn-onâ€™ reactive probes for hypoxic tumor cell imaging. Methods and Applications in Fluorescence, 2015, 3, 044004.	1.1	26
36	Rational Design of Latent Fluorophores from Waterâ€Soluble Hydroxyphenyltriazine Dyes Suitable for Lipase Sensing. European Journal of Organic Chemistry, 2015, 2015, 1664-1669.	1.2	10

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37	Highly Fluorescent and Waterâ€Soluble Diketopyrrolopyrrole Dyes for Bioconjugation. Angewandte Chemie - International Edition, 2015, 54, 2995-2999.	7.2	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. Tetrahedron Letters, 2015, 56, 1015-1019.	0.7	30
39	â€œANDâ€•luminescent â€œreactiveâ€•molecular logic gates: a gateway to multi-analyte bioimaging and biosensing. Organic and Biomolecular Chemistry, 2015, 13, 1294-1306.	1.5	68
40	A Novel Bio-Orthogonal Cross-Linker for Improved Protein/Protein Interaction Analysis. Analytical Chemistry, 2015, 87, 1853-1860.	3.2	24
41	Rapid Synthesis of Unsymmetrical Sulforhodamines Through Nucleophilic Amination of a Monobrominated Sulfoxanthene Dye. European Journal of Organic Chemistry, 2015, 2015, 152-165.	1.2	9
42	A Synthetic Route to 3â€(Heteroaryl)â€7â€hydroxycoumarins Designed for Biosensing Applications. European Journal of Organic Chemistry, 2015, 2015, 166.	1.2	22
43	New insights into the water-solubilization of thiol-sensitive fluorogenic probes based on long-wavelength 7-hydroxycoumarin scaffolds. Dyes and Pigments, 2014, 110, 270-284.	2.0	21
44	Straightforward Access to Waterâ€Soluble Unsymmetrical Sulfoxanthene Dyes: Application to the Preparation of Farâ€Red Fluorescent Dyes with Large Stokesâ€™ Shifts. Chemistry - A European Journal, 2014, 20, 8330-8337.	1.7	36
45	Reaction site-driven regioselective synthesis of AChE inhibitors. Organic and Biomolecular Chemistry, 2014, 12, 156-161.	1.5	23
46	Straightforward synthesis of bioconjugatable azo dyes. Part 2: Black Hole Quencher-2 (BHQ-2) and BlackBerry Quencher 650 (BBQ-650) scaffolds. Tetrahedron Letters, 2014, 55, 6764-6768.	0.7	9
47	Straightforward synthesis of bioconjugatable azo dyes. Part 1: Black Hole Quencher-1 (BHQ-1) scaffold. Tetrahedron Letters, 2014, 55, 6759-6763.	0.7	7
48	Kondratâ€™eva Ligation: Dielsâ€“Alder-Based Irreversible Reaction for Bioconjugation. Journal of Organic Chemistry, 2014, 79, 10353-10366.	1.7	24
49	Thiocarbamate-Linked Polysulfonateâ€“Peptide Conjugates As Selective Hepatocyte Growth Factor Receptor Binders. Bioconjugate Chemistry, 2014, 25, 1000-1010.	1.8	1
50	Azo-Sulforhodamine Dyes: A Novel Class of Broad Spectrum Dark Quenchers. Organic Letters, 2014, 16, 3946-3949.	2.4	23
51	Biochemical Characterization of a Caspase-3 Far-red Fluorescent Probe for Non-invasive Optical Imaging of Neuronal Apoptosis. Journal of Molecular Neuroscience, 2014, 54, 451-462.	1.1	5
52	Universal Dark Quencher Based on â€œClickedâ€•Spectrally Distinct Azo Dyes. Organic Letters, 2013, 15, 6082-6085.	2.4	20
53	The first latent green fluorophores for the detection of azoreductase activity in bacterial cultures. Chemical Communications, 2013, 49, 8815.	2.2	54
54	Bioconjugatable Azoâ€Based Darkâ€Quencher Dyes: Synthesis and Application to Proteaseâ€Activatable Farâ€Red Fluorescent Probes. Chemistry - A European Journal, 2013, 19, 1686-1699.	1.7	37

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55	A novel sulfonated prosthetic group for [¹⁸F]-radiolabelling and imparting water solubility of biomolecules and cyanine fluorophores. Organic and Biomolecular Chemistry, 2013, 11, 469-479.	1.5	22
56	The first comparative study of the ability of different hydrophilic groups to water-solubilise fluorescent BODIPY dyes. New Journal of Chemistry, 2013, 37, 1016.	1.4	46
57	The first â€œready-to-useâ€•benzene-based heterotrifunctional cross-linker for multiple bioconjugation. Organic and Biomolecular Chemistry, 2013, 11, 2693.	1.5	30
58	Synthesis, Biological Evaluation, and in Vivo Imaging of the first Camptothecinâ€“Fluorescein Conjugate. Bioconjugate Chemistry, 2013, 24, 1119-1133.	1.8	9
59	New insights into the water-solubilisation of fluorophores by post-synthetic â€œclickâ€•and Sonogashira reactions. Organic and Biomolecular Chemistry, 2012, 10, 4330.	1.5	26
60	Synthesis and reactivity of a bis-sultone cross-linker for peptideconjugation and [18F]-radiolabelling via unusual â€œdouble clickâ€•approach. Organic and Biomolecular Chemistry, 2012, 10, 1068-1078.	1.5	10
61	Waterâ€Soluble Redâ€Emitting Distyrylâ€Borondipyrromethene (BODIPY) Dyes for Biolabeling. Chemistry - A European Journal, 2012, 18, 7229-7242.	1.7	87
62	The first metal-free water-soluble cryptophane-111. Chemical Communications, 2011, 47, 9702.	2.2	31
63	N-Fmoc-Î±-sulfo-Î²-alanine: a versatile building block for the water solubilisation of chromophores and fluorophores by solid-phase strategy. Organic and Biomolecular Chemistry, 2011, 9, 5337.	1.5	21
64	A novel and unusually long-lived chemiluminophore based on the 7-hydroxycoumarin scaffold. Chemical Communications, 2011, 47, 6713.	2.2	19
65	Water-solubilisation and bio-conjugation of a red-emitting BODIPY marker. Organic and Biomolecular Chemistry, 2011, 9, 66-69.	1.5	68
66	Synthesis and luminescence properties of new red-shifted absorption lanthanide(iii) chelates suitable for peptide and protein labelling. Organic and Biomolecular Chemistry, 2011, 9, 2357.	1.5	14
67	A versatile access to new halogenated 7-azidocoumarins for photoaffinity labeling: Synthesis and photophysical properties. Dyes and Pigments, 2011, 91, 427-434.	2.0	12
68	A HTS Assay for the Detection of Organophosphorus Nerve Agent Scavengers. Chemistry - A European Journal, 2010, 16, 3510-3523.	1.7	52
69	Water solubilization of xanthene dyes by post-synthetic sulfonation in organic media. Tetrahedron Letters, 2010, 51, 3304-3308.	0.7	31
70	A universal and ready-to-use heterotrifunctional cross-linking reagent for facile synthetic access to sophisticated bioconjugates. Organic and Biomolecular Chemistry, 2010, 8, 4329.	1.5	30
71	Facile and rapid access to linear and truncated microcystin analogues for the implementation of immunoassays. Organic and Biomolecular Chemistry, 2010, 8, 676-690.	1.5	8
72	A comparative study of the self-immolation of para-aminobenzylalcohol and hemithioaminal-based linkers in the context of protease-sensitive fluorogenic probes. Organic and Biomolecular Chemistry, 2010, 8, 1777.	1.5	54

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73	Synthesis and structureâ€“activity relationship of Huprine derivatives as human acetylcholinesterase inhibitors. Bioorganic and Medicinal Chemistry, 2009, 17, 4523-4536.	1.4	41
74	Water-Soluble BODIPY Derivatives. Organic Letters, 2009, 11, 2049-2052.	2.4	170
75	Self-cleavable chemiluminescent probes suitable for protease sensing. Organic and Biomolecular Chemistry, 2009, 7, 2941.	1.5	41
76	A new class of cleavable fluorescent nucleotides: synthesis and optimization as reversible terminators for DNA sequencing by synthesis â€. Nucleic Acids Research, 2008, 36, e25-e25.	6.5	124
77	Accurate whole human genome sequencing using reversible terminator chemistry. Nature, 2008, 456, 53-59.	13.7	3,118
78	Postsynthetic Derivatization of Fluorophores with Î±-Sulfo-Î²-alanine Dipeptide Linker. Application to the Preparation of Water-Soluble Cyanine and Rhodamine Dyes. Bioconjugate Chemistry, 2008, 19, 279-289.	1.8	46
79	A novel heterotrifunctional peptide-based cross-linking reagent for facile access to bioconjugates. Applications to peptide fluorescent labelling and immobilisation. Organic and Biomolecular Chemistry, 2008, 6, 3065.	1.5	29
80	Development of a New Nonpeptidic Self-Immolative Spacer. Application to the Design of Protease Sensing Fluorogenic Probes. Organic Letters, 2008, 10, 1517-1520.	2.4	60
81	Latent Fluorophores Based on a Self-Immolative Linker Strategy and Suitable for Protease Sensing. Bioconjugate Chemistry, 2008, 19, 1707-1718.	1.8	52
82	7-Hydroxycoumarinâ^'Hemicyanine Hybrids: A New Class of Far-Red Emitting Fluorogenic Dyes. Organic Letters, 2008, 10, 4175-4178.	2.4	102
83	Novel Water-Soluble Near-Infrared Cyanine Dyes:Â Synthesis, Spectral Properties, and Use in the Preparation of Internally Quenched Fluorescent Probes. Bioconjugate Chemistry, 2007, 18, 1303-1317.	1.8	86
84	Chemiluminescent Probe for the in Vitro Detection of Protease Activity. Organic Letters, 2007, 9, 4853-4855.	2.4	56
85	Corrigendum to â€œSynthesis and post-synthetic derivatization of a cyanine-based amino acid. Application to the preparation of a novel water-soluble NIR dyeâ€. Tetrahedron Letters, 2007, 48, 501.	0.7	3
86	BTA, a novel reagent for DNA attachment on glass and efficient generation of solid-phase amplified DNA colonies. Nucleic Acids Research, 2006, 34, e22-e22.	6.5	184
87	Aminopropargyl derivative of terpyridine-bis(methyl-enamine) tetraacetic acid chelate of europium (Eu) Tj ETQq1 1 0.784314 rgBT /Ov Biomolecular Chemistry, 2006, 4, 4165.	1.5	28
88	Latent fluorophores based on a Mannich cyclisation trigger. Tetrahedron Letters, 2006, 47, 6229-6233.	0.7	15
89	Synthesis and post-synthetic derivatization of a cyanine-based amino acid. Application to the preparation of a novel water-soluble NIR dye. Tetrahedron Letters, 2006, 47, 8279-8284.	0.7	33
90	Aryldithioethyloxycarbonyl (Ardec): A New Family of Amine Protecting Groups Removable under Mild Reducing Conditions and Their Applications to Peptide Synthesis. Chemistry - A European Journal, 2006, 12, 3655-3671.	1.7	34

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91	A Labeled Neutral Endopeptidase Inhibitor as a Potential Tool for Tumor Diagnosis and Prognosis. Angewandte Chemie - International Edition, 2005, 44, 4058-4061.	7.2	12
92	Radiation-Induced DNA Damage: Formation, Measurement, and Biochemical Features. Journal of Environmental Pathology, Toxicology and Oncology, 2004, 23, 33-44.	0.6	96
93	Specificity and effect on apoptosis of Tat antibodies from vaccinated and SHIV-infected rhesus macaques and HIV-infected individuals. Vaccine, 2003, 21, 3186-3199.	1.7	15
94	Total direct chemical synthesis and biological activities of human group IIA secretory phospholipase A2. Biochemical Journal, 2002, 365, 505-511.	1.7	12
95	5-(PHENYLTHIOMETHYL)-2â€²-DEOXYURIDINE AS AN EFFICIENT PHOTOREACTIVE PRECURSOR TO GENERATE SINGLE AND MULTIPLE LESIONS WITHIN DNA FRAGMENTS. Nucleosides, Nucleotides and Nucleic Acids, 2001, 20, 967-971.	0.4	14
96	Highly sensitive and selective fluorescence assays for rapid screening of endothelin-converting enzyme inhibitors. Biochemical Journal, 2001, 356, 813.	1.7	12
97	Chemical and Biochemical Properties of Oligonucleotides that Contain (5â€²S,6S)-Cyclo-5,6-dihydro-2â€²-deoxyuridine and (5â€²S,6S)-Cyclo-5,6-dihydrothymidine, Two Main Radiation-Induced Degradation Products of Pyrimidine 2â€²-Deoxyribonucleosides. Tetrahedron, 2000, 56, 8689-8701.	1.0	25
98	Removal of oxygen free-radical-induced 5',8-purine cyclodeoxynucleosides from DNA by the nucleotide excision-repair pathway in human cells. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 3832-3837.	3.3	332
99	Repair and replication of oxidized DNA bases using modified oligodeoxyribonucleotides. Biochimie, 2000, 82, 19-24.	1.3	42
100	Oxidative base damage to DNA: specificity of base excision repair enzymes. Mutation Research - Reviews in Mutation Research, 2000, 462, 121-128.	2.4	102
101	Synthesis and UV Photolysis of Oligodeoxynucleotides That Contain 5-(Phenylthiomethyl)-2â€˜-deoxyuridine:â€‰ A Specific Photolabile Precursor of 5-(2â€˜-Deoxyuridilyl)methyl Radical. Organic Letters, 2000, 2, 1085-1088.	2.4	97
102	Radiation-induced damage to DNA: mechanistic aspects and measurement of base lesions. Nuclear Instruments & Methods in Physics Research B, 1999, 151, 1-7.	0.6	19
103	Synthesis of Oligonucleotides Containing the (4R) and (4S) Diastereoisomers of 4,8-Dihydro-4-hydroxy-8-oxo-2â€²-deoxyguanosine. European Journal of Organic Chemistry, 1999, 1999, 49-56.	1.2	14
104	Synthesis and characterization of oligodeoxynucleotides containing the two 5R and 5S diastereomers of (5â€²S,6Sâ€Š)-5â€²,6-cyclo-5,6-dihydrothymidine; radiation-induced tandem lesions of thymidine. Journal of the Chemical Society Perkin Transactions 1, 1999, , 1257-1264.	0.9	25
105	Synthesis and Characterization of Oligonucleotides Containing 5â€˜,8-Cyclopurine 2â€˜-Deoxyribonucleosides: (5â€˜R)-5â€˜,8-Cyclo-2â€˜-deoxyadenosine, (5â€˜S)-5â€˜,8-Cyclo-2â€˜-deoxyguanosine, and (5â€˜R)-5â€˜,8-Cyclo-2â€˜-deoxyguanosine. Chemical Research in Toxicology, 1999, 12, 412-421.	3.7	88
106	Synthesis and Characterization of Oligodeoxynucleotides Containing 5â€²,8-Cyclopurine-2â€²-Deoxyribonucleosides. Nucleosides & Nucleotides, 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 byEscherichia coliEndonuclease III and Fpg Proteins:Â Kinetic and Mechanistic Aspectsâ€. Biochemistry, 1999, 38, 3335-3344.	1.2	98
108	Site-Specific Introduction of (5â€˜S)-5â€˜,8-Cyclo-2â€˜-deoxyadenosine into Oligodeoxyribonucleotides. Journal of Organic Chemistry, 1998, 63, 5245-5249.	1.7	80

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109	A Convenient Synthesis of 5-Hydroxy-2â€²-Deoxycytidine Phosphoramidite and its Incorporation into Oligonucleotides. Tetrahedron Letters, 1997, 38, 7531-7534.	0.7	28
110	In Situ Synthesis of Phenoxazine Dyes in Water: Application for "Turnâ€On" Fluorogenic and Chromogenic Detection of Nitric Oxide. ChemPhotoChem, 0, , .	1.5	5