Hans-Achim Wagenknecht

List of Publications by Year
in descending order

168 papers	5,110 citations	71102 41 h-index	123424 61 g-index
189 all docs	189 docs citations	189 times ranked	3655 citing authors

#	Article	IF	Citations
1	Remote Photodamaging of DNA by Photoinduced Energy Transport. ChemBioChem, 2022, 23, .	2.6	9
2	Complementary Photocatalytic Toolbox: Control of Intramolecular endo- versus exo-trig Cyclizations of Î±-Phenyl Olefins to Oxaheterocyclic Products. Synlett, 2022, 33, 1199-1204.	1.8	2
3	Aggregation-induced emission by sequence-selective assembly of cyanolated distyrylbenzene in supramolecular DNA architectures. Chemical Communications, 2022, 58, 6437-6440.	4.1	1
4	Photochemical Activation of Sulfur Hexafluoride: A Tool for Fluorination and Pentafluorosulfanylation Reactions. Synthesis, 2022, 54, 4883-4894.	2.3	11
5	Nucleophilic Alkoxylations of Unactivated Alkyl Olefins and Î±â€Methyl Styrene by Photoredox Catalysis. European Journal of Organic Chemistry, 2021, 2021, 773-776.	2.4	7
6	DNA-templated control of chirality and efficient energy transport in supramolecular DNA architectures with aggregation-induced emission. Chemical Science, 2021, 12, 10048-10053.	7.4	3
7	Molecular Chromophore-DNA Architectures With Fullerenes: Optical Properties and Solar Cells. Frontiers in Chemistry, 2021, 9, 645006.	3.6	5
8	Photoredox Catalytic Pentafluorosulfanylative Domino Cyclization of Î±â€Substituted Alkenes to Oxaheterocycles by Using SF₆. Chemistry - A European Journal, 2021, 27, 8088-8093.	3.3	24
9	Fluorescence Lifetime Imaging Microscopy (FLIM) of Intracellular Transport by Means of Doubly Labelled siRNA Architectures. ChemBioChem, 2021, 22, 2561-2567.	2.6	2
10	Tackling Tumour Cell Heterogeneity at the Super-Resolution Level in Human Colorectal Cancer Tissue. Cancers, 2021, 13, 3692.	3.7	6
11	The Dependence of Chemical Quantum Yields of Visible Light Photoredox Catalysis on the Irradiation Power. ChemPhotoChem, 2021, 5, 1009-1019.	3.0	10
12	Fast and Efficient Postsynthetic DNA Labeling in Cells by Means of Strainâ€Promoted Sydnoneâ€Alkyne Cycloadditions. Chemistry - A European Journal, 2021, 27, 16093-16097.	3.3	9
13	The Concept of Photozymes: Short Peptides with Photoredox Catalytic Activity for Nucleophilic Additions to Î±â€Phenyl Styrenes. European Journal of Organic Chemistry, 2021, 2021, 6400-6407.	2.4	3
14	N-Arylbenzo[b]phenothiazines as Reducing Photoredox Catalysts for Nucleophilic Additions of Alcohols to Styrenes: Shift towards Visible Light. Synlett, 2021, 32, 582-586.	1.8	4
15	4â€Aminophthalimide Amino Acids as Small and Environmentâ€Sensitive Fluorescent Probes for Transmembrane Peptides. ChemBioChem, 2020, 21, 618-622.	2.6	10
16	Photoredoxkatalytische Î±â€Alkoxypentafluorosulfanylierung von Î±â€Methylâ€•und Î±â€Phenylstyrol mithilfe von SF 6. Angewandte Chemie, 2020, 132, 306-310.	2.0	33
17	Photoredox Catalytic Î±â€Alkoxypentafluorosulfanylation of Î±â€Methylâ€•and Î±â€Phenylstyrene Using SF₆. Angewandte Chemie - International Edition, 2020, 59, 300-303.	13.8	68
18	How Far Does Energy Migrate in DNA and Cause Damage? Evidence for Longâ€Range Photodamage to DNA. Angewandte Chemie - International Edition, 2020, 59, 17378-17382.	13.8	10

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19	Wie weit wandert Energie in der DNA und verursacht SchÃden? Nachweis des langreichweitigen Photoschadens in DNA. Angewandte Chemie, 2020, 132, 17530-17535.	2.0	4
20	Frontispiz: Wie weit wandert Energie in der DNA und verursacht SchÃden? Nachweis des langreichweitigen Photoschadens in DNA. Angewandte Chemie, 2020, 132, .	2.0	0
21	Frontispiece: How Far Does Energy Migrate in DNA and Cause Damage? Evidence for Longâ€Range Photodamage to DNA. Angewandte Chemie - International Edition, 2020, 59, .	13.8	1
22	Directed Electron Transfer in Flavin Peptides with Oligoprolineâ€Type Helical Conformation as Models for Flavinâ€Functional Proteins. ChemistryOpen, 2020, 9, 1264-1269.	1.9	2
23	Postsynthetic Modifications of DNA and RNA by Means of Copper-Free Cycloadditions as Bioorthogonal Reactions. Bioconjugate Chemistry, 2020, 31, 990-1011.	3.6	40
24	Labelling of DNA and RNA in the cellular environment by means of bioorthogonal cycloaddition chemistry. RSC Chemical Biology, 2020, 1, 86-97.	4.1	43
25	Control of Energy Transfer Between Pyreneâ€and Peryleneâ€Nucleosides by the Sequence of DNAâ€Templated Supramolecular Assemblies. ChemistryOpen, 2020, 9, 389-392.	1.9	9
26	Fluorogenic and Bioorthogonal Modification of RNA Using Photoclick Chemistry. Biomolecules, 2020, 10, 480.	4.0	7
27	Naphthalene diimides with improved solubility for visible light photoredox catalysis. Beilstein Journal of Organic Chemistry, 2019, 15, 2043-2051.	2.2	7
28	Control of helical chirality in supramolecular chromophoreâ€“DNA architectures. Chemical Communications, 2019, 55, 1330-1333.	4.1	11
29	Triazine-Modified 7-Deaza-2â€²-deoxyadenosines: Better Suited for Bioorthogonal Labeling of DNA by PCR than 2â€²-Deoxyuridines. Bioconjugate Chemistry, 2019, 30, 1773-1780.	3.6	12
30	Substitution of Metallocenes with [2.2]Paracyclophane to Enable Confocal Microscopy Imaging in Living Cells. European Journal of Inorganic Chemistry, 2019, 2019, 2565-2565.	2.0	0
31	Copper-free dual labeling of DNA by triazines and cyclopropenes as minimal orthogonal and bioorthogonal functions. Chemical Science, 2019, 10, 4032-4037.	7.4	42
32	Influences of Linker and Nucleoside for the Helical Self-Assembly of Perylene Along DNA Templates. Frontiers in Chemistry, 2019, 7, 659.	3.6	3
33	N-Arylphenothiazines as strong donors for photoredox catalysis â€“ pushing the frontiers of nucleophilic addition of alcohols to alkenes. Beilstein Journal of Organic Chemistry, 2019, 15, 52-59.	2.2	48
34	Photoredox Catalytic Activation of Sulfur Hexafluoride for Pentafluorosulfanylation of Î±â€Methylâ€and Î±â€Phenyl Styrene. ChemCatChem, 2018, 10, 2955-2961.	3.7	66
35	Synthesis of Dyeâ€Modified Oligonucleotides via Copper(I)â€Catalyzed Alkyne Azide Cycloaddition Using Onâ€and Offâ€Bead Approaches. Current Protocols in Nucleic Acid Chemistry, 2018, 72, 4.80.1-4.80.13.	0.5	3
36	Prolineâ€Rich Short Peptides with Photocatalytic Activity for the Nucleophilic Addition of Methanol to Phenylethylenes. European Journal of Organic Chemistry, 2018, 2018, 2204-2207.	2.4	11

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37	Synthesis of DNA Modified with Boronic Acid: Compatibility to Copper(I)-Catalyzed Azideâ€“Alkyne Cycloaddition. Bioconjugate Chemistry, 2018, 29, 431-436.	3.6	13
38	Significant Fluorescence Enhancement of N,Nâ€Dimethylaminobenzophenone after Embedding as a Câ€Nucleoside in DNA. ChemPhotoChem, 2018, 2, 12-17.	3.0	11
39	â€œsiRNA traffic lightsâ€• arabino-configured 2â€²-anchors for fluorescent dyes are key for dual color readout in cell imaging. Organic and Biomolecular Chemistry, 2018, 16, 3726-3731.	2.8	4
40	Fluorogenic â€œphotoclickâ€•labelling of DNA using a Cy3 dye. Organic and Biomolecular Chemistry, 2018, 16, 7579-7582.	2.8	22
41	Photocatalysis with nucleic acids and peptides. Physical Sciences Reviews, 2018, 3, .	0.8	0
42	Programmable and Sequenceâ€Selective Supramolecular Assembly of Two Different Chromophores along DNA Templates. Chemistry - A European Journal, 2018, 24, 16257-16261.	3.3	12
43	DNA Primer Extension with Cyclopropenylated 7â€Deazaâ€2â€²â€deoxyadenosine and Efficient Bioorthogonal Labeling in Vitro and in Living Cells. ChemBioChem, 2018, 19, 1949-1953.	2.6	18
44	A new structureâ€“activity relationship for cyanine dyes to improve photostability and fluorescence properties for live cell imaging. Chemical Science, 2018, 9, 6557-6563.	7.4	32
45	â€œDNA Origami Traffic Lightsâ€•with a Split Aptamer Sensor for a Bicolor Fluorescence Readout. Nano Letters, 2017, 17, 2467-2472.	9.1	81
46	Synthesis of N,Nâ€dimethylaminopyreneâ€•modified short peptides for chemical photocatalysis. Journal of Peptide Science, 2017, 23, 563-566.	1.4	11
47	1,2,4â€Triazineâ€Modified 2â€²â€Deoxyuridine Triphosphate for Efficient Bioorthogonal Fluorescent Labeling of DNA. ChemBioChem, 2017, 18, 1473-1476.	2.6	24
48	Thieme Chemistry Journal Awardees â€“ Where are They Now? The Influence of Electron-Withdrawing Groups at the 2- and 2â€²-Positions of Dibenzothienylethenes on Molecular Switching. Synlett, 2017, 28, 1422-1426.	1.8	3
49	Elucidation of the Dexterâ€Type Energy Transfer in DNA by Thymineâ€“Thymine Dimer Formation Using Photosensitizers as Artificial Nucleosides. Angewandte Chemie - International Edition, 2017, 56, 1385-1389.	13.8	22
50	Photocatalysis of a [2+2] Cycloaddition in Aqueous Solution Using DNA Threeâ€Way Junctions as Chiral PhotoDNAzymes. ChemPhotoChem, 2017, 1, 48-50.	3.0	11
51	Light-induced functions in DNA. Current Opinion in Chemical Biology, 2017, 40, 119-126.	6.1	5
52	Ein isosteres und fluoreszierendes DNA-Basenpaar aus 4-Aminophthalimid und 2,4-Diaminopyrimidin als C-Nucleoside. Angewandte Chemie, 2017, 129, 392-396.	2.0	1
53	Photocatalysis of a [2+2] Cycloaddition in Aqueous Solution Using DNA Three-Way Junctions as Chiral PhotoDNAzymes. ChemPhotoChem, 2017, 1, 47-47.	3.0	0
54	AufklÃrung des Dexterâ€Energietransfers in DNA an der Thyminâ€Thyminâ€Dimerbildung mithilfe von Photosensibilisatoren als artifizielle Nucleoside. Angewandte Chemie, 2017, 129, 1406-1410.	2.0	4

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55	Molecular movement in the Arabidopsis thaliana female gametophyte. Plant Reproduction, 2017, 30, 141-146.	2.2	23
56	Synthesis of Wavelengthâ€Shifting Fluorescent DNA and RNA with Two Photostable Cyanineâ€“Styryl Dyes as the Base Surrogate Pair. ChemistryOpen, 2017, 6, 514-518.	1.9	8
57	Substitution of Metallocenes with [2.2]Paracyclophane to Enable Confocal Microscopy Imaging in Living Cells. European Journal of Inorganic Chemistry, 2017, 2017, 297-305.	2.0	13
58	An Isosteric and Fluorescent DNA Base Pair Consisting of 4â€aminophthalimide and 2,4â€diaminopyrimidine as Câ€Nucleosides. Angewandte Chemie - International Edition, 2017, 56, 384-388.	13.8	9
59	A postsynthetically 2â€™-â€œclickableâ€•uridine with arabino configuration and its application for fluorescent labeling and imaging of DNA. Beilstein Journal of Organic Chemistry, 2017, 13, 127-137.	2.2	9
60	Pyreneâ€“nucleobase conjugates: synthesis, oligonucleotide binding and confocal bioimaging studies. Beilstein Journal of Organic Chemistry, 2017, 13, 2521-2534.	2.2	6
61	Thiazole Orange Dimers in DNA: Fluorescent Base Substitutions with Hybridization Readout. Chemistry - A European Journal, 2016, 22, 2386-2395.	3.3	21
62	Ein DNAâ€Fullerenâ€Konjugat als Templat fÃ¼r supramolekulare Chromophorstapel: Auf dem Weg zu DNAâ€basierten Solarzellen. Angewandte Chemie, 2016, 128, 1936-1941.	2.0	8
63	Aus DNA wird Solarzelle. Nachrichten Aus Der Chemie, 2016, 64, 1148-1151.	0.0	0
64	Two wavelength-shifting molecular beacons for simultaneous and selective imaging of vesicular miRNA-21 and miRNA-31 in living cancer cells. Organic and Biomolecular Chemistry, 2016, 14, 5001-5006.	2.8	16
65	Synthetic Wavelength-Shifting Fluorescent Probes of Nucleic Acids. Nucleic Acids and Molecular Biology, 2016, , 83-100.	0.2	1
66	Scope and Limitations of Typical Copper-Free Bioorthogonal Reactions with DNA: Reactive 2â€²-Deoxyuridine Triphosphates for Postsynthetic Labeling. Journal of Organic Chemistry, 2016, 81, 7527-7538.	3.2	36
67	Synthesis of Wavelength-shifting DNA Hybridization Probes by Using Photostable Cyanine Dyes. Journal of Visualized Experiments, 2016, , .	0.3	4
68	A DNAâ€“Fullerene Conjugate as a Template for Supramolecular Chromophore Assemblies: Towards DNAâ€Based Solar Cells. Angewandte Chemie - International Edition, 2016, 55, 1904-1908.	13.8	33
69	Polarity Sensitive Bioorthogonally Applicable Far-Red Emitting Labels for Postsynthetic Nucleic Acid Labeling by Copper-Catalyzed and Copper-Free Cycloaddition. Bioconjugate Chemistry, 2016, 27, 457-464.	3.6	25
70	(Non-) Covalently Modified DNA with Novel Functions. , 2015, , 1-77.		1
71	DNAâ€Based Oligochromophores as Lightâ€Harvesting Systems. Chemistry - A European Journal, 2015, 21, 9349-9354.	3.3	21
72	Bright and photostable cyanine-styryl chromophores with green and red fluorescence colour for DNA staining. Methods and Applications in Fluorescence, 2015, 3, 044003.	2.3	25

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73	Synthesis of Benzophenone Nucleosides and Their Photocatalytic Evaluation for [2+2] Cycloaddition in Aqueous Media. European Journal of Organic Chemistry, 2015, 2015, 6661-6668.	2.4	20
74	Copperâ€Free Postsynthetic Labeling of Nucleic Acids by Means of Bioorthogonal Reactions. ChemBioChem, 2015, 16, 1541-1553.	2.6	65
75	Photocatalytic nucleophilic addition of alcohols to styrenes in Markovnikov and anti-Markovnikov orientation. Beilstein Journal of Organic Chemistry, 2015, 11, 568-575.	2.2	36
76	Mesityl phenanthroline-modified 2â€²-deoxyuridine for heteroleptic complexes in metal ion-mediated assembly of DNA. Dalton Transactions, 2015, 44, 6715-6718.	3.3	6
77	Acceleration of Longâ€Range Photoinduced Electron Transfer through DNA by Hydroxyquinolines asâ€‰Artificial Base Pairs. ChemPhysChem, 2015, 16, 1607-1612.	2.1	9
78	One-Dimensional Multichromophor Arrays Based on DNA: From Self-Assembly to Light-Harvesting. Accounts of Chemical Research, 2015, 48, 2724-2733.	15.6	124
79	Dynamic DNA architectures: spontaneous DNA strand exchange and self-sorting driven by perylene bisimide interactions. Chemical Communications, 2015, 51, 16530-16533.	4.1	8
80	Development of a Wavelengthâ€Shifting Fluorescent Module for the Adenosine Aptamer Using Photostable Cyanine Dyes. ChemistryOpen, 2015, 4, 92-96.	1.9	15
81	Synthesis and Evaluation of Nicotinic Acid Derived Tetrazines for Bioorthogonal Labeling. Synthesis, 2015, 47, 2738-2744.	2.3	14
82	Strand displacement and duplex invasion into double-stranded DNA by pyrrolidinyl peptide nucleic acids. Organic and Biomolecular Chemistry, 2015, 13, 9223-9230.	2.8	29
83	Mixed non-covalent assemblies of ethynyl nile red and ethynyl pyrene along oligonucleotide templates. Organic and Biomolecular Chemistry, 2015, 13, 487-492.	2.8	30
84	Nucleic acid chemistry. Beilstein Journal of Organic Chemistry, 2014, 10, 2928-2929.	2.2	0
85	Synthesis and optical properties of pyrrolidinyl peptide nucleic acid carrying a clicked Nile red label. Beilstein Journal of Organic Chemistry, 2014, 10, 2166-2174.	2.2	14
86	Synthesis of a Photostable Energyâ€Transfer Pair for â€œDNA Traffic Lightsâ€• European Journal of Organic Chemistry, 2014, 2014, 7547-7551.	2.4	20
87	â€œPhotoclickâ€•Postsynthetic Modification of DNA. Angewandte Chemie - International Edition, 2014, 53, 14580-14582.	13.8	56
88	2â€²-Deoxyuridine conjugated with a reactive monobenzocyclooctyne as a DNA building block for copper-free click-type postsynthetic modification of DNA. Chemical Communications, 2014, 50, 11218.	4.1	22
89	Bifunctional DNA Architectonics: Threeâ€Way Junctions with Sticky Perylene Bisimide Caps and a Central Metal Lock. Chemistry - A European Journal, 2014, 20, 12009-12014.	3.3	22
90	The base discriminating potential of pyrrolidinyl PNA demonstrated by magnetic FexOy particles. Organic and Biomolecular Chemistry, 2014, 12, 3586.	2.8	5

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91	The role of duplex stability for wavelength-shifting fluorescent DNA probes: energy transfer vs. exciton interactions in DNA â€œtraffic lightsâ€• Photochemical and Photobiological Sciences, 2014, 13, 1126-1129.	2.9	7
92	Photochemical Design of Functional Fluorescent Single-Chain Nanoparticles. ACS Macro Letters, 2014, 3, 574-579.	4.8	87
93	Synthesis of DNA Conjugates with Metalated Tetracationic Porphyrins by Postsynthetic Cycloadditions. Organic Letters, 2014, 16, 1692-1695.	4.6	14
94	Unraveling the Pathways to UVAâ€•Induced DNA Photodamage: (6â€“4) Photoproduct as a Potential â€œTrojan Horseâ€• ChemPhysChem, 2013, 14, 3197-3198.	2.1	8
95	Development of a Metalâ€•Ionâ€•Mediated Base Pair for Electron Transfer in DNA. Chemistry - A European Journal, 2013, 19, 12547-12552.	3.3	70
96	Synthesis and evaluation of cyanineâ€“styryl dyes with enhanced photostability for fluorescent DNA staining. Organic and Biomolecular Chemistry, 2013, 11, 7458.	2.8	48
97	DNA-templated formation of fluorescent self-assembly of ethynyl pyrenes. Chemical Communications, 2013, 49, 9257.	4.1	33
98	Conformational control of benzophenone-sensitized charge transfer in dinucleotides. Physical Chemistry Chemical Physics, 2013, 15, 18607.	2.8	12
99	RNA â€œTraffic Lightsâ€• An Analytical Tool to Monitor siRNA Integrity. ACS Chemical Biology, 2013, 8, 890-894.	3.4	31
100	Synthesis of 4-Aminophthalimide and 2,4-Diaminopyrimidine C-Nucleosides as Isosteric Fluorescent DNA Base Substitutes. Journal of Organic Chemistry, 2013, 78, 2589-2599.	3.2	49
101	A simple pyrene â€œclickâ€•type modification of DNA affects solubilisation and photoluminescence of single-walled carbon nanotubes. RSC Advances, 2013, 3, 6331.	3.6	5
102	In-stem labelling allows visualization of DNA strand displacements by distinct fluorescent colour change. Organic and Biomolecular Chemistry, 2013, 11, 3085.	2.8	5
103	Energy-transfer-based wavelength-shifting DNA probes with â€œclickableâ€•cyanine dyes. Photochemical and Photobiological Sciences, 2013, 12, 722.	2.9	17
104	Fluorescence Quenching over Short Range in a Donorâ€•DNAâ€•Acceptor System. ChemPhysChem, 2013, 14, 1197-1204.	2.1	3
105	DNA and RNA â€œTraffic Lightsâ€• Synthetic Wavelength-Shifting Fluorescent Probes Based on Nucleic Acid Base Substitutes for Molecular Imaging. Journal of Organic Chemistry, 2013, 78, 7373-7379.	3.2	42
106	Synthesis of 2â€²-O-Propargyl Nucleoside Triphosphates for Enzymatic Oligonucleotide Preparation and â€œClickâ€•Modification of DNA with Nile Red as Fluorescent Probe. Bioconjugate Chemistry, 2013, 24, 301-304.	3.6	21
107	Photochemically Active Fluorophoreâ€“DNA/RNA Conjugates for Cellular Imaging of Nucleic Acids by Readout in Electron Microscopy. ChemistryOpen, 2013, 2, 136-140.	1.9	2
108	Covalent Modification of 2â€²-Deoxyuridine with Two Different Molecular Switches. Synlett, 2012, 23, 711-716.	1.8	16

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109	Chemical Photocatalysis with 1-(N,N-Dimethylamino)pyrene. Synlett, 2012, 23, 2803-2807.	1.8	12
110	Organic Chemistry of DNA Functionalization; Chromophores as DNA Base Substitutes versus DNA Base/2â€²-Modifications. Synlett, 2012, 23, 2435-2448.	1.8	21
111	Metal-mediated DNA assembly using the ethynyl linked terpyridine ligand. Organic and Biomolecular Chemistry, 2012, 10, 46-48.	2.8	14
112	Photoinduced Reductive Electron Transfer in LNA:DNA Hybrids: A Compromise between Conformation and Base Stacking. Angewandte Chemie - International Edition, 2012, 51, 10026-10029.	13.8	21
113	Diarylethene-modified nucleotides for switching optical properties in DNA. Beilstein Journal of Organic Chemistry, 2012, 8, 905-914.	2.2	41
114	Conformational Control of Dual Emission by Pyrrolidinyl PNAâ€“DNA Hybrids. ChemistryOpen, 2012, 1, 173-176.	1.9	6
115	â€œDNA Traffic Lightsâ€• Concept of Wavelengthâ€Shifting DNA Probes and Application in an Aptasensor. ChemBioChem, 2012, 13, 1136-1138.	2.6	21
116	Inside Cover: â€œDNA Traffic Lightsâ€• Concept of Wavelength-Shifting DNA Probes and Application in an Aptasensor (ChemBioChem 8/2012). ChemBioChem, 2012, 13, 1082-1082.	2.6	0
117	DNA â€œNanolampsâ€• â€œClickedâ€•DNA Conjugates with Photon Upconverting Nanoparticles as Highly Emissive Biomaterial. ChemPlusChem, 2012, 77, 129-134.	2.8	21
118	A â€œClickableâ€•Styryl Dye for Fluorescent DNA Labeling by Excitonic and Energy Transfer Interactions. Chemistry - A European Journal, 2012, 18, 1299-1302.	3.3	36
119	4,4-Difluoro-4-bora-3a,4a-diaza-s-indacene as a Bright Fluorescent Label for DNA. Journal of Organic Chemistry, 2011, 76, 2301-2304.	3.2	38
120	5â€(Pyrenâ€1â€yl)uracil as a Baseâ€Discriminating Fluorescent Nucleobase in Pyrrolidinyl Peptide Nucleic Acids. Chemistry - an Asian Journal, 2011, 6, 3251-3259.	3.3	28
121	Synthesis of DNA with Green Perylene Bisimides as DNA Base Substitutions. European Journal of Organic Chemistry, 2011, 2011, 4564-4570.	2.4	20
122	Inâ€Stemâ€Labeled Molecular Beacons for Distinct Fluorescent Color Readout. Angewandte Chemie - International Edition, 2011, 50, 7268-7272.	13.8	68
123	Assembly of DNA Triangles Mediated by Perylene Bisimide Caps. Chemistry - A European Journal, 2011, 17, 6683-6688.	3.3	27
124	New Farâ€red and Nearâ€infrared Fluorescent Probes with Large Stokes Shifts for Dual Covalent Labeling of DNA. Chemistry - an Asian Journal, 2010, 5, 1761-1764.	3.3	20
125	Synthesis and Optical Properties of Cyanine Dyes as Fluorescent DNA Base Substitutions for Live Cell Imaging. European Journal of Organic Chemistry, 2010, 2010, 1239-1248.	2.4	40
126	Optical, Redox, and DNAâ€Binding Properties of Phenanthridinium Chromophores: Elucidating the Role of the Phenyl Substituent for Fluorescence Enhancement of Ethidium in the Presence of DNA. Chemistry - A European Journal, 2010, 16, 3392-3402.	3.3	38

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127	Nonâ€covalent Versus Covalent Control of Selfâ€Assembly and Chirality of Nile Redâ€modified Nucleoside and DNA. Chemistry - A European Journal, 2010, 16, 9040-9046.	3.3	43
128	Synthetic incorporation of Nile Blue into DNA using 2â€²-deoxyriboside substitutes: Representative comparison of (R)- and (S)-aminopropanediol as an acyclic linker. Beilstein Journal of Organic Chemistry, 2010, 6, 13.	2.2	9
129	In situ azide formation and â€œclickâ€reaction of nile red with DNA as an alternative postsynthetic route. Chemical Communications, 2010, 46, 2230.	4.1	33
130	Redâ€“whiteâ€“blue emission switching molecular beacons: ratiometric multicolour DNA hybridization probes. Organic and Biomolecular Chemistry, 2010, 8, 526-528.	2.8	24
131	Imaging of RNA delivery to cells by thiazole orange as a fluorescent RNA base substitution. Organic and Biomolecular Chemistry, 2010, 8, 997.	2.8	22
132	Photoinduced short-range electron transfer in DNA with fluorescent DNA bases: lessons from ethidium and thiazole orange as charge donors. Physical Chemistry Chemical Physics, 2010, 12, 32-43.	2.8	20
133	Whiteâ€Lightâ€Emitting DNA (WED). Chemistry - A European Journal, 2009, 15, 9307-9310.	3.3	51
134	Indole in DNA: Comparison of a Nucleosidic with a Nonâ€Nucleosidic DNA Base Substitution. European Journal of Organic Chemistry, 2009, 2009, 364-370.	2.4	23
135	Fluorescent Color Readout of DNA Hybridization with Thiazole Orange as an Artificial DNA Base. Angewandte Chemie - International Edition, 2009, 48, 2418-2421.	13.8	87
136	Helical Arrangement of Porphyrins along DNA: Towards Photoactive DNAâ€Based Nanoarchitectures. Angewandte Chemie - International Edition, 2009, 48, 2838-2841.	13.8	47
137	Comparison of a Nucleosidic vs Non-Nucleosidic Postsynthetic â€œClickâ€Modification of DNA with Base-Labile Fluorescent Probes. Bioconjugate Chemistry, 2009, 20, 558-564.	3.6	94
138	DNA as a supramolecular framework for the helical arrangements of chromophores: towards photoactive DNA-based nanomaterials. Chemical Communications, 2009, , 2615.	4.1	141
139	Fluorescent Hydrophobic Zippers inside Duplex DNA: Interstrand Stacking of Peryleneâ€3,4:9,10â€tetracarboxylic Acid Bisimides as Artificial DNA Base Dyes. Chemistry - A European Journal, 2008, 14, 6640-6645.	3.3	83
140	Synthesis of 5â€(2â€Pyrenyl)â€2â€²â€deoxyuridine as a DNA Modification for Electronâ€Transfer Studies: The Critical Role of the Position of the Chromophore Attachment. European Journal of Organic Chemistry, 2008, 2008, 64-71.	2.4	72
141	Perylene Bisimide Dimers as Fluorescent â€œGlueâ€for DNA and for Baseâ€Mismatch Detection. Angewandte Chemie - International Edition, 2008, 47, 2612-2614.	13.8	119
142	Fluorescent DNA Base Modifications and Substitutes: Multiple Fluorophore Labeling and the DETEQ Concept. Annals of the New York Academy of Sciences, 2008, 1130, 122-130.	3.8	48
143	Thiazole Orange and Cy3: Improvement of Fluorescent DNA Probes with Use of Short Range Electron Transfer. Journal of Organic Chemistry, 2008, 73, 4263-4266.	3.2	64
144	Nucleotide insertion and bypass synthesis of pyrene- and BODIPY-modified oligonucleotides by DNA polymerases. Chemical Communications, 2008, , 1443.	4.1	18

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145	Phenothiazine as a redox-active DNA base substitute: comparison with phenothiazine-modified uridine. Organic and Biomolecular Chemistry, 2008, 6, 48-50.	2.8	23
146	Helical self-assembled chromophore clusters based on DNA-like architecture. Tetrahedron, 2007, 63, 3434-3439.	1.9	32
147	Electron transfer processes in DNA: mechanisms, biological relevance and applications in DNA analytics. Natural Product Reports, 2006, 23, 973.	10.3	125
148	Perylene-3,4:9,10-tetracarboxylic Acid Bisimide Dye as an Artificial DNA Base Surrogate. Organic Letters, 2006, 8, 4191-4194.	4.6	93
149	DNA as a supramolecular scaffold for the helical arrangement of a stack of 1-ethynylpyrene chromophores. Organic and Biomolecular Chemistry, 2006, 4, 2088.	2.8	58
150	Structure-Sensitive and Self-Assembled Helical Pyrene Array Based on DNA Architecture. Angewandte Chemie - International Edition, 2006, 45, 3372-3375.	13.8	133
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