

# Eric Defrancq

## List of Publications by Citations

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144  
papers

3,489  
citations

35  
h-index

50  
g-index

167  
ext. papers

3,773  
ext. citations

5.5  
avg, IF

5.11  
L-index

#	Paper	IF	Citations
144	Recent developments in oligonucleotide conjugation. <i>Chemical Society Reviews</i> , <b>2010</b> , 39, 2054-70	58.5	189
143	Methods for investigating G-quadruplex DNA/ligand interactions. <i>Chemical Society Reviews</i> , <b>2011</b> , 40, 5293-307	58.5	180
142	Highly efficient synthesis of peptide-oligonucleotide conjugates: chemoselective oxime and thiazolidine formation. <i>Chemistry - A European Journal</i> , <b>2001</b> , 7, 3976-84	4.8	101
141	Label-free femtomolar detection of target DNA by impedimetric DNA sensor based on poly(pyrrole-nitrilotriacetic acid) film. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 1066-72	7.8	81
140	Preparation of a multitopic glycopeptide-oligonucleotide conjugate. <i>Organic Letters</i> , <b>2005</b> , 7, 1359-62	6.2	78
139	Plasmon-induced CD response of oligonucleotide-conjugated metal nanoparticles. <i>Chemical Communications</i> , <b>2011</b> , 47, 7383-5	5.8	74
138	Improvement of porphyrins for G-quadruplex DNA targeting. <i>Biochimie</i> , <b>2011</b> , 93, 1310-7	4.6	70
137	Label-free impedimetric thrombin sensor based on poly(pyrrole-nitrilotriacetic acid)-aptamer film. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 41, 90-5	11.8	67
136	Ru(II) complexes and light: molecular tools for biomolecules. <i>Journal of Physical Organic Chemistry</i> , <b>2008</b> , 21, 670-681	2.1	63
135	A functional model of galactose oxidase: catalytic oxidation of primary alcohols with a one-electron oxidized copper(II) complex. <i>New Journal of Chemistry</i> , <b>1998</b> , 22, 393-394	3.6	59
134	Ru-Labeled Oligonucleotides for Photoinduced Reactions on Targeted DNA Guanines. <i>Chemistry - A European Journal</i> , <b>1999</b> , 5, 2712-2721	4.8	56
133	Glycoclusters on oligonucleotide and PNA scaffolds: synthesis and applications. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 4557-73	58.5	55
132	A photoreactive ruthenium(II) complex tethered to a guanine-containing oligonucleotide: a biomolecular tool that behaves as a "seppuku molecule". <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 1122-5	16.4	53
131	Template-assembled synthetic G-quadruplex (TASQ): a useful system for investigating the interactions of ligands with constrained quadruplex topologies. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 6106-14	4.8	51
130	A new fluorescent probe for sensitive detection of carbonyl compounds: sensitivity improvement and application to environmental water samples. <i>Analytica Chimica Acta</i> , <b>2000</b> , 412, 221-233	6.6	51
129	Electrogenerated trisbipyridyl Ru(II)-/nitrilotriacetic-polypyrene copolymer for the easy fabrication of label-free photoelectrochemical immunosensor and aptasensor: application to the determination of thrombin and anti-cholera toxin antibody. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 42, 556-62	11.8	50
128	RAFT Nano-constructs: surfing to biological applications. <i>Journal of Peptide Science</i> , <b>2008</b> , 14, 224-40	2.1	49

127	A Highly Efficient Synthesis of Oligodeoxyribonucleotides Containing the 2-Deoxyribonolactone Lesion. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 11810-11811	16.4	49
126	Chemical Strategies for Oligonucleotide-Conjugates Synthesis. <i>Current Organic Chemistry</i> , <b>2008</b> , 12, 263-290		47
125	The 7-nitroindole nucleoside as a photochemical precursor of 2'-deoxyribonolactone: access to DNA fragments containing this oxidative abasic lesion. <i>Chemistry - A European Journal</i> , <b>2000</b> , 6, 4163-9	4.8	45
124	New strategy for the synthesis of 3',5'-bifunctionalized oligonucleotide conjugates through sequential formation of chemoselective oxime bonds. <i>Chemistry - A European Journal</i> , <b>2004</b> , 10, 5988-95	4.8	43
123	Synthesis of fluorescent probes for the detection of abasic sites in DNA. <i>Tetrahedron</i> , <b>1997</b> , 53, 5485-5492	4.2	42
122	A novel conformationally constrained parallel G quadruplex. <i>ChemBioChem</i> , <b>2008</b> , 9, 2588-91	3.8	42
121	Photocrosslinking in ruthenium-labelled duplex oligonucleotides. <i>ChemBioChem</i> , <b>2003</b> , 4, 195-202	3.8	41
120	Photoreaction of [Ru(hat)2phen]2+ with guanosine-5'-monophosphate and DNA: formation of new types of photoadducts. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 1507-17	4.8	41
119	A rigid dinuclear ruthenium(II) complex as an efficient photoactive agent for bridging two guanine bases of a duplex or quadruplex oligonucleotide. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 3951-61	4.8	40
118	Efficient surface patterning of oligonucleotides inside a glass capillary through oxime bond formation. <i>Bioconjugate Chemistry</i> , <b>2007</b> , 18, 671-6	6.3	39
117	Oxime bond formation for the covalent attachment of oligonucleotides on glass support. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2003</b> , 13, 2683-6	2.9	38
116	2'-deoxyribonolactone lesion in DNA: refined solution structure determined by nuclear magnetic resonance and molecular modeling. <i>Biochemistry</i> , <b>1999</b> , 38, 3985-95	3.2	38
115	Interaction of polycationic Ni(II)-salophen complexes with G-quadruplex DNA. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 12519-31	5.1	37
114	Oligonucleotide sequential bis-conjugation via click-oxime and click-Huisgen procedures. <i>Journal of Organic Chemistry</i> , <b>2010</b> , 75, 3927-30	4.2	37
113	Luminescence quenching of Ru-labeled oligonucleotides by targeted complementary strands. <i>Biophysical Journal</i> , <b>2002</b> , 82, 978-87	2.9	37
112	Determination of DNA guanine sites forming photo-adducts with Ru(II)-labeled oligonucleotides; DNA polymerase inhibition by the resulting photo-crosslinking. <i>Journal of Biological Inorganic Chemistry</i> , <b>2004</b> , 9, 100-8	3.7	36
111	Efficient preparation of carbohydrate-oligonucleotide conjugates (COCs) using oxime bond formation. <i>Tetrahedron Letters</i> , <b>2001</b> , 42, 7829-7832	2	36
110	Sensor Based on Aptamer Folding to Detect Low-Molecular Weight Analytes. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 7566-74	7.8	35

109	Chemoselectively addressable template: a valuable tool for the engineering of molecular conjugates. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 2402-10	4.2	35
108	Highly Sensitive Bisphenol-A Electrochemical Aptasensor Based on Poly(Pyrrole-Nitrilotriacetic Acid)-Aptamer Film. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 7268-73	7.8	33
107	Efficient Buchwald-Hartwig-Migita Cross-Coupling for DNA Thioglycoconjugation. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 1795-1800	4.8	33
106	Photo-reactive Ru(II)-oligonucleotide conjugates: influence of an intercalating ligand on the inter- and intra-strand photo-ligation processes. <i>Dalton Transactions</i> , <b>2010</b> , 39, 9672-83	4.3	31
105	3'-Oligonucleotides conjugation via chemoselective oxime bond formation. <i>Tetrahedron Letters</i> , <b>2001</b> , 42, 9171-9174	2	31
104	Synthesis of an oxyamino-containing phenanthroline derivative for the efficient preparation of phenanthroline oligonucleotide oxime conjugates. <i>Tetrahedron Letters</i> , <b>2003</b> , 44, 8379-8382	2	30
103	A simple and sensitive method for in vitro quantitation of abasic sites in DNA. <i>Chemical Research in Toxicology</i> , <b>1999</b> , 12, 476-82	4	30
102	Characterization of a modified gold platform for the development of a label-free anti-thrombin aptasensor. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 41, 424-9	11.8	29
101	Ruthenium oligonucleotides, targeting HPV16 E6 oncogene, inhibit the growth of cervical cancer cells under illumination by a mechanism involving p53. <i>Gene Therapy</i> , <b>2013</b> , 20, 435-43	4	29
100	The oxyamino-aldehyde coupling reaction: An efficient method for the derivatization of oligonucleotides. <i>Tetrahedron Letters</i> , <b>1997</b> , 38, 8687-8690	2	29
99	New method to prepare peptide-oligonucleotide conjugates through glyoxylic oxime formation. <i>Journal of Organic Chemistry</i> , <b>2004</b> , 69, 8544-6	4.2	29
98	. <i>European Journal of Organic Chemistry</i> , <b>2000</b> , 2000, 211-217	3.2	29
97	The use of a peptidic scaffold for the formation of stable guanine tetrads: control of a H-bonded pattern in water. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 5791-5	4.8	28
96	Palladium-Mediated Labeling of Nucleic Acids. <i>ChemBioChem</i> , <b>2017</b> , 18, 426-431	3.8	27
95	Cobalt(III)porphyrin to target G-quadruplex DNA. <i>Dalton Transactions</i> , <b>2015</b> , 44, 3701-7	4.3	27
94	Versatile introduction of azido moiety into oligonucleotides through diazo transfer reaction. <i>Organic Letters</i> , <b>2011</b> , 13, 5672-5	6.2	27
93	The oxime bond formation as an efficient tool for the conjugation of ruthenium complexes to oligonucleotides and peptides. <i>Tetrahedron</i> , <b>2007</b> , 63, 11299-11306	2.4	27
92	New Ruthenium-Based Probes for Selective G-Quadruplex Targeting. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 11872-11880	4.8	26

91	Oxidizing Ru(II) complexes as irreversible and specific photo-cross-linking agents of oligonucleotide duplexes. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 10988-94	5.1	26
90	Macrocyclic host-dye reporter for sensitive sandwich-type fluorescent aptamer sensor. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 3139-43	7.8	25
89	Use of an aminoxy linker for the functionalization of oligodeoxyribonucleotides. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2001</b> , 11, 931-3	2.9	25
88	Efficient conjugation and characterization of distamycin-based peptides with selected oligonucleotide stretches. <i>Bioconjugate Chemistry</i> , <b>2004</b> , 15, 520-9	6.3	24
87	Metal-complex/DNA conjugates: a versatile building block for DNA nanoarrays. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 12780-7	4.8	23
86	A new fluorescent probe for sensitive detection of carbonyl compounds. <i>Analytica Chimica Acta</i> , <b>1999</b> , 382, 253-263	6.6	23
85	Towards the Development of Photo-Reactive Ruthenium(II) Complexes Targeting Telomeric G-Quadruplex DNA. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 19216-19227	4.8	23
84	The nickel(II) complex of guanidinium phenyl porphyrin, a specific G-quadruplex ligand, targets telomeres and leads to POT1 mislocalization in culture cells. <i>Journal of Biological Inorganic Chemistry</i> , <b>2015</b> , 20, 729-38	3.7	22
83	The oxime bond formation as an efficient chemical tool for the preparation of 3',5'-bifunctionalised oligodeoxyribonucleotides. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 2839-42	2.9	22
82	Adduct formation by photo-induced electron transfer between photo-oxidising Ru(II) complexes and tryptophan. <i>Chemical Communications</i> , <b>2004</b> , 2764-5	5.8	22
81	Design and synthesis of novel hybrid metal complex-DNA conjugates: key building blocks for multimetallic linear DNA nanoarrays. <i>Organic and Biomolecular Chemistry</i> , <b>2009</b> , 7, 2729-37	3.9	21
80	Oligonucleotide Duplexes with Tethered Photoreactive Ruthenium(II) Complexes: Influence of the Ligands and Their Linker on the Photoinduced Electron Transfer and Crosslinking Processes of the Two Strands. <i>European Journal of Inorganic Chemistry</i> , <b>2009</b> , 2009, 524-532	2.3	20
79	Surface patterning of (bio)molecules onto the inner wall of fused-silica capillary tubes. <i>Lab on a Chip</i> , <b>2008</b> , 8, 2161-3	7.2	20
78	Head-to-tail oxime cyclization of oligodeoxynucleotides for the efficient synthesis of circular DNA analogues. <i>Journal of Organic Chemistry</i> , <b>2003</b> , 68, 8708-10	4.2	20
77	Synthesis of Methylketone Containing Nucleoside Triphosphates for RNA Labelling. <i>Tetrahedron</i> , <b>2000</b> , 56, 6501-6510	2.4	19
76	A novel heterobifunctional linker for facile access to bioconjugates. <i>Organic and Biomolecular Chemistry</i> , <b>2006</b> , 4, 1413-9	3.9	18
75	Photocrosslinking between peptide-peptide or peptide-oligonucleotide by Ru(II)-TAP complexes. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 355-64	4.8	17
74	Templated Formation of Discrete RNA and DNA:RNA Hybrid G-Quadruplexes and Their Interactions with Targeting Ligands. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 3139-47	4.8	16

73	New solid support for the synthesis of 3'-oligonucleotide conjugates through glyoxylic oxime bond formation. <i>Organic Letters</i> , <b>2007</b> , 9, 219-22	6.2	16
72	Template-Mediated Stabilization of a DNA G-Quadruplex formed in the HIV-1 Promoter and Comparative Binding Studies. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 5602-5613	4.8	15
71	Construction of anti-parallel G-quadruplexes through sequential templated click. <i>Chemical Communications</i> , <b>2015</b> , 51, 4850-3	5.8	15
70	Label-free photoelectrochemical detection of double-stranded HIV DNA by means of a metallointercalator-functionalized electrogenerated polymer. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 15555-60	4.8	15
69	Photoinduced electron transfer from tryptophan to Ru(II)TAP complexes: the primary process for photo-cross-linking with oligopeptides. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 10867-74	5.1	15
68	Efficient Inhibition of Telomerase by Nickel-Salophen Complexes. <i>ChemMedChem</i> , <b>2016</b> , 11, 1133-6	3.7	15
67	Influence of Aptamer Surface Coverage on Small Target Recognition: A SPR and QCM-D Comparative Study. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 13561-13568	3.8	14
66	Targeting G-Rich DNA Structures with Photoreactive Bis-Cyclometallated Iridium(III) Complexes. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 12730-12739	4.8	14
65	Detection of secondary structures in 17-mer Ru(II)-labeled single-stranded oligonucleotides from luminescence lifetime studies. <i>Dalton Transactions</i> , <b>2005</b> , 852-6	4.3	14
64	Fluorescent labelling of oligodeoxyribonucleotides by the oxyamino-aldehyde coupling reaction. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2000</b> , 19, 1427-39	1.4	14
63	The Synthesis of a Novel Epoxycyclohexane from the Fungus <i>Eutypa lata</i> (Pers: F.) TUL. <i>Helvetica Chimica Acta</i> , <b>1992</b> , 75, 276-281	2	14
62	Binding of metalloporphyrins to G-quadruplex DNA: The role of the central metal. <i>Inorganica Chimica Acta</i> , <b>2016</b> , 452, 98-103	2.7	13
61	Use of gamma-aminopropyl-coated glass surface for the patterning of oligonucleotides through oxime bond formation. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2008</b> , 18, 2540-3	2.9	13
60	Layer-by-Layer Deposition of Chitosan Derivatives and DNA on Gold Surfaces for the Development of Biorecognition Layers. <i>Analytical Letters</i> , <b>2004</b> , 37, 2235-2250	2.2	13
59	Click-click chemistry on a peptidic scaffold for easy access to tetrameric DNA structures. <i>Chemical Communications</i> , <b>2012</b> , 48, 5992-4	5.8	12
58	Evaluation of a new biocompatible poly(N-(morpholino ethyl methacrylate)-based copolymer for the delivery of ruthenium oligonucleotides, targeting HPV16 E6 oncogene. <i>Journal of Biomedical Nanotechnology</i> , <b>2013</b> , 9, 1432-40	4	12
57	Hydrolysis of oligonucleotides containing 8-substituted purine nucleosides. A new route for preparing abasic oligodeoxynucleotides. <i>Tetrahedron Letters</i> , <b>1994</b> , 35, 4991-4994	2	12
56	Highly DNA-Photoreactive Ruthenium 1,4,5,8-Tetraazaphenanthrene Complex Conjugated to the TAT Peptide: Efficient Vectorization inside HeLa Cells without Phototoxicity □ The Importance of Cellular Distribution. <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 2902-2911	2.3	11

55	Surface-immobilized DNAzyme-type biocatalysis. <i>Nanoscale</i> , <b>2014</b> , 6, 2693-701	7.7	11
54	Closer to nature: an ATP-driven bioinspired catalytic oxidation process. <i>Chemical Communications</i> , <b>2013</b> , 49, 1500-2	5.8	11
53	Direct Detection of Low-Molecular-Weight Compounds in 2D and 3D Aptasensors by Biolayer Interferometry. <i>ACS Sensors</i> , <b>2020</b> , 5, 2326-2330	9.2	11
52	Controlled density patterning of tolylterpyridine-tagged oligonucleotides. <i>Langmuir</i> , <b>2011</b> , 27, 8595-9	4	10
51	Specificity of Light-Induced Covalent Adduct Formation between Rull Oligonucleotide Conjugates and Target Sequences for Gene Silencing Applications. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 3016-3022	2.3	9
50	Photo-cross-linking between polymers derivatized with photoreactive ruthenium-1,4,5,8-tetraazaphenanthrene complexes and guanine-containing oligonucleotides. <i>Biomacromolecules</i> , <b>2007</b> , 8, 3503-10	6.9	9
49	Chemoselective oxime and thiazolidine bond formation: a versatile and efficient route to the preparation of 3'-peptide-oligonucleotide conjugates. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2004</b> , 23, 1657-66	1.4	9
48	The oxime bond formation as a useful tool for the preparation of oligonucleotide conjugates. <i>Comptes Rendus Chimie</i> , <b>2005</b> , 8, 789-796	2.7	9
47	Arylamidation de la guanosine par un agent cancérogène, le 2-aminofluorène. Approche intramoléculaire.. <i>Tetrahedron</i> , <b>1991</b> , 47, 5725-5736	2.4	9
46	Scaffold stabilization of a G-triplex and study of its interactions with G-quadruplex targeting ligands. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 8726-8736	3.9	9
45	Use of T-2 toxin-immobilized amine-activated beads as an efficient affinity purification matrix for the isolation of specific IgY. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2013</b> , 923-924, 98-101	3.2	8
44	A Photoreactive Ruthenium(II) Complex Tethered to a Guanine-Containing Oligonucleotide: A Biomolecular Tool that Behaves as a Beppuku Molecule <i>Angewandte Chemie</i> , <b>2009</b> , 121, 1142-1145	3.6	8
43	Quantitative One Step Derivatization of Oligonucleotides by a Fluorescent Label Through Abasic Site Formation. <i>Nucleosides &amp; Nucleotides</i> , <b>1997</b> , 16, 2069-2077		8
42	A label-free photoelectrochemical cocaine aptasensor based on an electropolymerized ruthenium-intercalator complex. <i>Electrochimica Acta</i> , <b>2016</b> , 219, 82-87	6.7	8
41	Flexible Ru Schiff Base Complexes: G-Quadruplex DNA Binding and Photo-Induced Cancer Cell Death. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 13849-13860	4.8	7
40	Impact of Conformational Transitions on SPR Signals <i>Theoretical Treatment and Application in Small Analytes/Aptamer Recognition</i> . <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 21521-21530	3.8	7
39	Constrained G4 structures unveil topology specificity of known and new G4 binding proteins. <i>Scientific Reports</i> , <b>2021</b> , 11, 13469	4.9	7
38	Influence of the SPR Experimental Conditions on the G-Quadruplex DNA Recognition by Porphyrin Derivatives. <i>Langmuir</i> , <b>2018</b> , 34, 13057-13064	4	7

37	Surface plasmon resonance study of the interaction of N-methyl mesoporphyrin IX with G-quadruplex DNA. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 4158-4164	3.6	6
36	Redox-Active Bis-Cyclometalated Iridium(III) Complex as a DNA Photo-Cleaving Agent. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 2426-2433	5.1	6
35	Synthesis and characterization of oligonucleotide conjugates bearing electroactive labels. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2013</b> , 23, 955-8	2.9	6
34	Light-Triggered Green Fluorescent Protein Silencing in Human Keratinocytes in Culture Using Antisense Oligonucleotides Coupled to a Photoreactive Ruthenium(II) Complex. <i>ChemPlusChem</i> , <b>2014</b> , 79, 1597-1604	2.8	6
33	Oligonucleotide Functionalization of Hollow Triangular Gold Silver Alloy Nanoboxes. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 669-676	3.8	6
32	Photoadduct leading to crosslinking in Ru(II)-derivatized oligonucleotides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2003</b> , 22, 1487-9	1.4	6
31	The synthesis of [ <sup>14</sup> C] labelled Eutypine. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>1992</b> , 31, 1057-1063	1.9	6
30	An oxime-based glycocluster microarray. <i>Organic and Biomolecular Chemistry</i> , <b>2017</b> , 15, 5135-5139	3.9	5
29	Phosphorylating reagent-free synthesis of 5'-phosphate oligonucleotides by controlled oxidative degradation of their 5'-end. <i>Organic Letters</i> , <b>2012</b> , 14, 2030-3	6.2	5
28	Molecular engineering of biomolecules for nanobio-sciences. <i>International Journal of Nanotechnology</i> , <b>2010</b> , 7, 738	1.5	5
27	Interaction and reactivity of carcinogenic N-acetyl-N-(acyloxy)-2-aminofluorene with deoxyguanosine. An intramolecular approach. <i>Journal of Organic Chemistry</i> , <b>1991</b> , 56, 4817-4819	4.2	5
26	Negative SPR Signals during Low Molecular Weight Analyte Recognition. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 4134-4140	7.8	5
25	Synthesis and photophysical studies of a multivalent photoreactive Ru-calix[4]arene complex bearing RGD-containing cyclopentapeptides. <i>Beilstein Journal of Organic Chemistry</i> , <b>2018</b> , 14, 1758-1768 <sup>2.5</sup>		4
24	What Are the Parameters Controlling Inter- vs. Intra-Strand DNA Photodamage with Ru-TAP Oligonucleotides?. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 208-216	2.3	4
23	Parameters influencing the photo-induced electron transfer from tryptophan-containing peptides to a Ru(II) complex: a systematic study. <i>Faraday Discussions</i> , <b>2015</b> , 185, 267-84	3.6	4
22	Highly efficient synthesis of peptide- and carbohydrate-oligonucleotide conjugates using chemoselective oxime and thiazolidine formation. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2003</b> , 22, 1427-9	1.4	4
21	Photodetection of DNA mismatches by dissymmetric Ru(II) acridine based complexes. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 2260-2270	6.8	3
20	Prefolded Synthetic G-Quartets Display Enhanced Bioinspired Properties. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 1760-7	4.8	3



19	Oligonucleotide Conjugates: Rationale, Synthesis, and Applications <b>2012</b> , 85-120		3
18	Optical Properties and In Vitro Biological Studies of Oligonucleotide-Modified Quantum Dots. <i>Journal of Nanomaterials</i> , <b>2013</b> , 2013, 1-10	3.2	3
17	Aldehydic oligonucleotide: a key intermediate for the preparation of oligonucleotide conjugates through oxime bond formation. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2007</b> , 26, 883-7	1.4	3
16	Efficient Chemical Synthesis of Oligonucleotides Containing the 2-Deoxyribonolactone Site. <i>Nucleosides &amp; Nucleotides</i> , <b>1999</b> , 18, 1323-1324		3
15	Crystal structure of 7-nitro-1(2'-deoxy-β-D-ribofuranosyl)-indole, C <sub>13</sub> H <sub>14</sub> N <sub>2</sub> O <sub>5</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>1998</b> , 213, 181-182	0.2	3
14	Assessment of the Full Compatibility of Copper(I)-Catalyzed Alkyne-Azide Cycloaddition and Oxime Click Reactions for bis-Labeling of Oligonucleotides. <i>ChemistryOpen</i> , <b>2015</b> , 4, 169-73	2.3	2
13	Oligonucleotides Derivatized with Luminescent and Photoreactive Ru(II) Complexes: Models for Photoelectron Transfer and Photocrosslinking. <i>Nucleosides &amp; Nucleotides</i> , <b>1999</b> , 18, 1319-1320		2
12	Generation and identification of the amidyl radical resulting from homolytic nitrogous-oxygen cleavage in carcinogenic N-acetyl-N-(acyloxy)-2-aminofluorene. <i>Journal of Organic Chemistry</i> , <b>1993</b> , 58, 6143-6145	4.2	2
11	Access to a stabilized i-motif DNA structure through four successive ligation reactions on a cyclopeptide scaffold. <i>Organic and Biomolecular Chemistry</i> , <b>2020</b> , 18, 6394-6406	3.9	2
10	Constrained G4 structures unveil topology specificity of known and new G4 binding proteins		2
9	The pK value of the proximal water molecule trans to a high-valent Mn[double bond, length as m-dash]O porphyrin: towards the control of reactivity by pH. <i>Dalton Transactions</i> , <b>2017</b> , 46, 12088-12094	4.3	1
8	Preparation of azido containing oligonucleotides through diazo transfer reaction. <i>Current Protocols in Nucleic Acid Chemistry</i> , <b>2012</b> , Chapter 4, Unit 4.50	0.5	1
7	Formation of a tetracyclic structure between cytosine derivatives and a model metabolite of the carcinogen 4-nitroquinoline N-oxide. <i>Tetrahedron Letters</i> , <b>1991</b> , 32, 5333-5336	2	1
6	Recent progress in the design of G-quadruplex based electrochemical aptasensors. <i>Current Opinion in Electrochemistry</i> , <b>2021</b> , 30, 100812	7.2	1
5	Assessment of presumed small-molecule ligands of telomeric i-DNA by bilayer interferometry (BLI).. <i>Chemical Communications</i> , <b>2022</b> ,	5.8	1
4	Post-synthetic transamination at position N4 of cytosine in oligonucleotides assembled with routinely used phosphoramidites. <i>Organic and Biomolecular Chemistry</i> , <b>2020</b> , 18, 9632-9638	3.9	
3	Efficient conjugation of oligonucleotides through aromatic oxime formation. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 6534-7	2.9	
2	Synthesis and Biological Evaluation of Nucleoside Triphosphates Incorporating an Oxyamino Function for Post-amplification Labelling. <i>Nucleosides &amp; Nucleotides</i> , <b>1999</b> , 18, 979-980		

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