

Jean Cadet

List of Publications by Year in descending order

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736
papers

36,708
citations

2544

96
h-index

6300

158
g-index

778
all docs

778
docs citations

778
times ranked

22048
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultraviolet radiation-mediated damage to cellular DNA. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2005, 571, 3-17.	1.0	782
2	Direct and indirect effects of UV radiation on DNA and its components. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2001, 63, 88-102.	3.8	765
3	DNA Base Damage by Reactive Oxygen Species, Oxidizing Agents, and UV Radiation. <i>Cold Spring Harbor Perspectives in Biology</i> , 2013, 5, a012559-a012559.	5.5	638
4	Oxidative damage to DNA: formation, measurement and biochemical features. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2003, 531, 5-23.	1.0	615
5	Cyclobutane pyrimidine dimers are predominant DNA lesions in whole human skin exposed to UVA radiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 13765-13770.	7.1	572
6	Type I and Type II Photosensitized Oxidation Reactions: Guidelines and Mechanistic Pathways. <i>Photochemistry and Photobiology</i> , 2017, 93, 912-919.	2.5	552
7	Hydroxyl radicals and DNA base damage. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1999, 424, 9-21.	1.0	544
8	Oxidatively Generated Damage to the Guanine Moiety of DNA: Mechanistic Aspects and Formation in Cells. <i>Accounts of Chemical Research</i> , 2008, 41, 1075-1083.	15.6	490
9	Oxidatively generated base damage to cellular DNA. <i>Free Radical Biology and Medicine</i> , 2010, 49, 9-21.	2.9	448
10	Establishing the background level of base oxidation in human lymphocyte DNA: results of an interlaboratory validation study. <i>FASEB Journal</i> , 2005, 19, 82-84.	0.5	404
11	Singlet Molecular Oxygen Reactions with Nucleic Acids, Lipids, and Proteins. <i>Chemical Reviews</i> , 2019, 119, 2043-2086.	47.7	404
12	Bipyrimidine Photoproducts Rather than Oxidative Lesions Are the Main Type of DNA Damage Involved in the Genotoxic Effect of Solar UVA Radiation. <i>Biochemistry</i> , 2003, 42, 9221-9226.	2.5	396
13	Cloning of a receptor subunit required for signaling by thymic stromal lymphopoietin. <i>Nature Immunology</i> , 2000, 1, 59-64.	14.5	393
14	Synthetic Zinc and Magnesium Chlorin Aggregates as Models for Supramolecular Antenna Complexes in Chlorosomes of Green Photosynthetic Bacteria. <i>Photochemistry and Photobiology</i> , 1996, 63, 92-99.	2.5	332
15	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
16	2,2-Diamino-4-[(3,5-di-O-acetyl-2-deoxy-.beta.-D-erythro-pentofuranosyl)amino]-5-(2H)-oxazolone: a Novel and Predominant Radical Oxidation Product of 3',5'-Di-O-acetyl-2'-deoxyguanosine. <i>Journal of the American Chemical Society</i> , 1994, 116, 7403-7404.	13.7	328
17	Photosensitized formation of 7,8-dihydro-8-oxo-2'-deoxyguanosine (8-hydroxy-2'-deoxyguanosine) in DNA by riboflavin: a nonsinglet oxygen-mediated reaction. <i>Journal of the American Chemical Society</i> , 1992, 114, 9692-9694.	13.7	327
18	Individual Determination of the Yield of the Main UV-Induced Dimeric Pyrimidine Photoproducts in DNA Suggests a High Mutagenicity of CC Photolesions. <i>Biochemistry</i> , 2001, 40, 2495-2501.	2.5	298

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19	Are we sure we know how to measure 8-oxo-7,8-dihydroguanine in DNA from human cells?. Archives of Biochemistry and Biophysics, 2004, 423, 57-65.	3.0	287
20	High-Performance Liquid Chromatography-Tandem Mass Spectrometry Measurement of Radiation-Induced Base Damage to Isolated and Cellular DNA. Chemical Research in Toxicology, 2000, 13, 1002-1010.	3.3	277
21	Formation of UV-induced DNA damage contributing to skin cancer development. Photochemical and Photobiological Sciences, 2018, 17, 1816-1841.	2.9	276
22	DNA Damage Induced in Cells by I^3 and UVA Radiation As Measured by HPLC/GC-MS and HPLC-EC and Comet Assay. Chemical Research in Toxicology, 2000, 13, 541-549.	3.3	269
23	Measurement of DNA oxidation in human cells by chromatographic and enzymic methods. Free Radical Biology and Medicine, 2003, 34, 1089-1099.	2.9	268
24	Cellular background level of 8-oxo-7,8-dihydro-2'-deoxyguanosine: an isotope based method to evaluate artefactual oxidation of DNA during its extraction and subsequent work-up. Carcinogenesis, 2002, 23, 1911-1918.	2.8	265
25	Singlet Oxygen Induces Oxidation of Cellular DNA. Journal of Biological Chemistry, 2000, 275, 40601-40604.	3.4	260
26	Melanoma induction by ultraviolet A but not ultraviolet B radiation requires melanin pigment. Nature Communications, 2012, 3, 884.	12.8	249
27	Oxidatively Generated Damage to Cellular DNA by UVB and UVA Radiation. Photochemistry and Photobiology, 2015, 91, 140-155.	2.5	249
28	Photoinduced Damage to Cellular DNA: Direct and Photosensitized Reactions. Photochemistry and Photobiology, 2012, 88, 1048-1065.	2.5	247
29	Formation and repair of oxidatively generated damage in cellular DNA. Free Radical Biology and Medicine, 2017, 107, 13-34.	2.9	240
30	Oxidative DNA damage & repair: An introduction. Free Radical Biology and Medicine, 2017, 107, 2-12.	2.9	218
31	Formation of the Main UV-induced Thymine Dimeric Lesions within Isolated and Cellular DNA as Measured by High Performance Liquid Chromatography-Tandem Mass Spectrometry. Journal of Biological Chemistry, 2000, 275, 11678-11685.	3.4	215
32	Riboflavin and UV-Light Based Pathogen Reduction: Extent and Consequence of DNA Damage at the Molecular Level. Photochemistry and Photobiology, 2004, 80, 15.	2.5	203
33	Comparative analysis of baseline 8-oxo-7,8-dihydroguanine in mammalian cell DNA, by different methods in different laboratories: an approach to consensus. Carcinogenesis, 2002, 23, 2129-2133.	2.8	202
34	Measurement and Meaning of Oxidatively Modified DNA Lesions in Urine. Cancer Epidemiology Biomarkers and Prevention, 2008, 17, 3-14.	2.5	202
35	Formation of Modified DNA Bases in Cells Exposed either to Gamma Radiation or to High-LET Particles1. Radiation Research, 2002, 157, 589-595.	1.5	198
36	Benzophenone Photosensitized DNA Damage. Accounts of Chemical Research, 2012, 45, 1558-1570.	15.6	196

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37	New trends in photobiology. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1992, 15, 277-298.	3.8	194
38	The Repairability of Oxidative Free Radical Mediated Damage to DNA: A Review. <i>International Journal of Radiation Biology</i> , 1988, 54, 131-150.	1.8	193
39	Oxidatively generated complex DNA damage: Tandem and clustered lesions. <i>Cancer Letters</i> , 2012, 327, 5-15.	7.2	192
40	COMPARATIVE STUDY OF OXIDATION OF NUCLEIC ACID COMPONENTS BY HYDROXYL RADICALS, SINGLET OXYGEN AND SUPEROXIDE ANION RADICALS. <i>Photochemistry and Photobiology</i> , 1978, 28, 661-665.	2.5	190
41	Reaction of Singlet Oxygen with 2'-Deoxyguanosine and DNA. Isolation and Characterization of the Main Oxidation Products. <i>Chemical Research in Toxicology</i> , 1995, 8, 379-388.	3.3	183
42	Photosensitized reactions of nucleic acids. <i>Biochimie</i> , 1986, 68, 813-834.	2.6	179
43	The 17-Propionate Function of (Bacterio)chlorophylls: Biological Implication of Their Long Esterifying Chains in Photosynthetic Systems. <i>Photochemistry and Photobiology</i> , 2006, 83, 152-62.	2.5	176
44	Peroxynitrite Mediated Oxidation of Purine Bases of Nucleosides and Isolated DNA. <i>Free Radical Research</i> , 1996, 24, 369-380.	3.3	172
45	Sensitized formation of oxidatively generated damage to cellular DNA by UVA radiation. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 903-911.	2.9	168
46	Oxidative damage to DNA: Formation, measurement, and biological significance. , 1997, 131, 1-87.		154
47	Isotope dilution high-performance liquid chromatography-electrospray tandem mass spectrometry assay for the measurement of 8-oxo-7,8-dihydro-2- ϵ -deoxyguanosine in biological samples. <i>Biomedical Applications</i> , 1998, 715, 349-356.	1.7	154
48	Singlet Oxygen Oxidation of Isolated and Cellular DNA: Product Formation and Mechanistic Insights. <i>Photochemistry and Photobiology</i> , 2006, 82, 1219.	2.5	154
49	Chlorophyll Derivative-Sensitized TiO ₂ Electron Transport Layer for Record Efficiency of Cs ₂ AgBiBr ₆ Double Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2021, 143, 2207-2211.	13.7	154
50	Oxidation of the sugar moiety of DNA by ionizing radiation or bleomycin could induce the formation of a cluster DNA lesion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 14032-14037.	7.1	153
51	Cyclic tetrapyrrole based molecules for dye-sensitized solar cells. <i>Energy and Environmental Science</i> , 2010, 3, 94-106.	30.8	153
52	Oxidation Reactions of Cytosine DNA Components by Hydroxyl Radical and One-Electron Oxidants in Aerated Aqueous Solutions. <i>Accounts of Chemical Research</i> , 2010, 43, 564-571.	15.6	151
53	Radiation-induced Decomposition of the Purine Bases within DNA and Related Model Compounds. <i>International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine</i> , 1985, 47, 127-143.	1.0	150
54	Modification of DNA bases by photosensitized one-electron oxidation. <i>International Journal of Radiation Biology</i> , 1999, 75, 571-581.	1.8	136

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55	Effects of UV and visible radiation on DNA-final base damage. <i>Biological Chemistry</i> , 1997, 378, 1275-86.	2.5	136
56	Observation and prevention of an artefactual formation of oxidized DNA bases and nucleosides in the GC-EMS method. <i>Carcinogenesis</i> , 1996, 17, 347-353.	2.8	130
57	Oxidatively generated base damage to cellular DNA by hydroxyl radical and one-electron oxidants: Similarities and differences. <i>Archives of Biochemistry and Biophysics</i> , 2014, 557, 47-54.	3.0	130
58	High-Intensity UV Laser Photolysis of DNA and Purine 2-Deoxyribonucleosides: Formation of 8-Oxopurine Damage and Oligonucleotide Strand Cleavage as Revealed by HPLC and Gel Electrophoresis Studies. <i>Journal of the American Chemical Society</i> , 1997, 119, 11373-11380.	13.7	129
59	Repair of the three main types of bipyrimidine DNA photoproducts in human keratinocytes exposed to UVB and UVA radiations. <i>DNA Repair</i> , 2005, 4, 836-844.	2.8	129
60	Mechanisms and Products of Photosensitized Degradation of Nucleic Acids and Related Model Compounds. <i>Israel Journal of Chemistry</i> , 1983, 23, 420-429.	2.3	128
61	Oxaluric Acid as the Major Product of Singlet Oxygen-Mediated Oxidation of 8-Oxo-7,8-dihydroguanine in DNA. <i>Journal of the American Chemical Society</i> , 2000, 122, 12622-12628.	13.7	127
62	Characterization of Lysine-Guanine Cross-Links upon One-Electron Oxidation of a Guanine-Containing Oligonucleotide in the Presence of a Trilysine Peptide. <i>Journal of the American Chemical Society</i> , 2006, 128, 5703-5710.	13.7	127
63	Facts and artifacts in the measurement of oxidative base damage to DNA. <i>Free Radical Research</i> , 1998, 29, 541-550.	3.3	125
64	Chlorination of Guanosine and Other Nucleosides by Hypochlorous Acid and Myeloperoxidase of Activated Human Neutrophils. <i>Journal of Biological Chemistry</i> , 2001, 276, 40486-40496.	3.4	125
65	Larger yield of cyclobutane dimers than 8-oxo-7,8-dihydroguanine in the DNA of UVA-irradiated human skin cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2004, 556, 135-142.	1.0	125
66	Resistance of Bacterial Endospores to Outer Space for Planetary Protection Purposes—Experiment PROTECT of the EXPOSE-E Mission. <i>Astrobiology</i> , 2012, 12, 445-456.	3.0	124
67	Oxidation of Guanine in Cellular DNA by Solar UV Radiation: Biological Role. <i>Photochemistry and Photobiology</i> , 1999, 70, 184-190.	2.5	122
68	Photosensitized Reaction of 8-Oxo-7,8-dihydro-2-deoxyguanosine: Identification of 1-(2-Deoxy-β-d-erythro-pentofuranosyl)cyanoic Acid as the Major Singlet Oxygen Oxidation Product. <i>Journal of the American Chemical Society</i> , 1996, 118, 1892-1898.	13.7	121
69	One-electron oxidation reactions of purine and pyrimidine bases in cellular DNA. <i>International Journal of Radiation Biology</i> , 2014, 90, 423-432.	1.8	121
70	UV-induced pyrimidine hydrates in DNA are repaired by bacterial and mammalian DNA glycosylase activities. <i>Biochemistry</i> , 1989, 28, 6164-6170.	2.5	120
71	Molecular breeding of polymerases for amplification of ancient DNA. <i>Nature Biotechnology</i> , 2007, 25, 939-943.	17.5	115
72	Cross-Linked Thymine-Purine Base Tandem Lesions: Synthesis, Characterization, and Measurement in β-Irradiated Isolated DNA. <i>Chemical Research in Toxicology</i> , 2002, 15, 598-606.	3.3	114

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73	Biologically relevant oxidants and terminology, classification and nomenclature of oxidatively generated damage to nucleobases and 2-deoxyribose in nucleic acids. <i>Free Radical Research</i> , 2012, 46, 367-381.	3.3	114
74	Measurement of oxidatively generated base damage in cellular DNA. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 711, 3-12.	1.0	113
75	Tandem Base Lesions Are Generated by Hydroxyl Radical within Isolated DNA in Aerated Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2000, 122, 4549-4556.	13.7	112
76	Comparison of different methods of measuring 8-oxoguanine as a marker of oxidative DNA damage. <i>Free Radical Research</i> , 2000, 32, 333-341.	3.3	112
77	Oxygen Free Radical Damage to DNA. <i>Journal of Biological Chemistry</i> , 2001, 276, 49283-49288.	3.4	111
78	Hydroxyl-radical-induced oxidation of 5-methylcytosine in isolated and cellular DNA. <i>Nucleic Acids Research</i> , 2014, 42, 7450-7460.	14.5	111
79	Characterization and Chemical Stability of Photooxidized Oligonucleotides that Contain 2,2-Diamino-4-[(2-deoxy- β -D-erythro-pentofuranosyl)amino]-5(2H)-oxazolone. <i>Journal of the American Chemical Society</i> , 1998, 120, 10283-10286.	13.7	110
80	Simultaneous Determination of Five Oxidative DNA Lesions in Human Urine. <i>Chemical Research in Toxicology</i> , 1999, 12, 802-808.	3.3	110
81	The acute phase protein haptoglobin regulates host immunity. <i>Journal of Leukocyte Biology</i> , 2008, 84, 170-181.	3.3	110
82	Synthetic zinc tetrapyrroles complexing with pyridine as a single axial ligand. <i>Bioorganic and Medicinal Chemistry</i> , 1998, 6, 2171-2178.	3.0	109
83	An Adduct between Peroxynitrite and 2'-Deoxyguanosine: 4,5-Dihydro-5-hydroxy-4-(nitrosooxy)-2'-deoxyguanosine. <i>Chemical Research in Toxicology</i> , 1996, 9, 3-7.	3.3	108
84	Synthesis of a Naphthalene Endoperoxide as a Source of ^{18}O -labeled Singlet Oxygen for Mechanistic Studies. <i>Journal of the American Chemical Society</i> , 2000, 122, 10212-10213.	13.7	105
85	Radiation-Induced Degradation of the Base Component in DNA and Related Substances - Final Products. <i>Molecular Biology, Biochemistry, and Biophysics</i> , 1978, 27, 171-202.	0.1	105
86	Artifacts associated with the measurement of oxidized DNA bases. <i>Environmental Health Perspectives</i> , 1997, 105, 1034-1039.	6.0	104
87	One-Electron Oxidation of the Guanine Moiety of 2'-Deoxyguanosine: Influence of 8-Oxo-7,8-dihydro-2'-deoxyguanosine. <i>Journal of the American Chemical Society</i> , 2003, 125, 2030-2031.	13.7	104
88	Measurement of 2,6-diamino-4-hydroxy-5-formamidopyrimidine and 8-oxo-7,8-dihydroguanine in isolated DNA exposed to gamma radiation in aqueous solution. <i>Carcinogenesis</i> , 1997, 18, 2385-2391.	2.8	103
89	ATP-Dependent Chromatin Remodeling Is Required for Base Excision Repair in Conventional but Not in Variant H2A.Bbd Nucleosomes. <i>Molecular and Cellular Biology</i> , 2007, 27, 5949-5956.	2.3	103
90	Determination of new types of DNA lesions in human sperm. <i>Zygote</i> , 2008, 16, 9-13.	1.1	103

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91	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
92	PHTHALOCYANINE AND NAPHTHALOCYANINE PHOTSENSITIZED OXIDATION OF 2-DEOXYGUANOSINE. <i>Photochemistry and Photobiology</i> , 1992, 55, 809-814.	2.5	101
93	Measurement of DNA base damage in cells exposed to low doses of gamma-radiation: comparison between the HPLC-EC and comet assays. <i>International Journal of Radiation Biology</i> , 1999, 75, 51-58.	1.8	99
94	Assessment of oxidative base damage to isolated and cellular DNA by HPLC-MS/MS measurement. This article is part of a series of reviews on "Oxidative DNA Damage and Repair." The full list of papers may be found on the homepage of the journal. Guest Editor: Miral Dizdaroglu. <i>Free Radical Biology and Medicine</i> , 2002, 33, 441-449.	2.9	99
95	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 Aspects. <i>Biochemistry</i> , 1999, 38, 3335-3344.	2.5	98
96	Synthesis and UV Photolysis of Oligodeoxynucleotides That Contain 5-(Phenylthiomethyl)-2-deoxyuridine: A Specific Photolabile Precursor of 5-(2-Deoxyuridyl)methyl Radical. <i>Organic Letters</i> , 2000, 2, 1085-1088.	4.6	97
97	Assessment of DNA damage by comet assay on frozen total blood: method and evaluation in smokers and non-smokers. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2004, 558, 75-80.	1.7	97
98	UV Laser Photolysis of DNA: Effect of Duplex Stability on Charge-Transfer Efficiency. <i>Journal of the American Chemical Society</i> , 2001, 123, 11360-11366.	13.7	96
99	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
100	Thymidine Hydroperoxides: Structural Assignment, Conformational Features, and Thermal Decomposition in Water. <i>Journal of the American Chemical Society</i> , 1994, 116, 2235-2242.	13.7	95
101	Artifacts Associated with the Measurement of Oxidized DNA Bases. <i>Environmental Health Perspectives</i> , 1997, 105, 1034.	6.0	95
102	Efficient Dye-Sensitized Solar Cell Based on Bacteriochlorin Sensitizers with Broadband Absorption Capability. <i>Journal of Physical Chemistry C</i> , 2009, 113, 7954-7961.	3.1	95
103	In vitro DNA synthesis opposite oxazolone and repair of this DNA damage using modified oligonucleotides. <i>Nucleic Acids Research</i> , 2000, 28, 1555-1563.	14.5	94
104	¹ H, ¹³ C and ¹⁵ N nuclear magnetic resonance analysis and chemical features of the two main radical oxidation products of 2-deoxyguanosine: oxazolone and imidazolone nucleosides. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1996, , 371-381.	0.9	93
105	Minor contribution of direct ionization to DNA base damage induced by heavy ions. <i>International Journal of Radiation Biology</i> , 2006, 82, 119-127.	1.8	93
106	Solar UV Radiation-Induced DNA Bipyrimidine Photoproducts: Formation and Mechanistic Insights. <i>Topics in Current Chemistry</i> , 2014, 356, 249-275.	4.0	93
107	Radiation-induced formation of purine 5,8-cyclonucleosides in isolated and cellular DNA: high stereospecificity and modulating effect of oxygen. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 3211.	2.8	91
108	Measurement of Oxidative Damage at Pyrimidine Bases in ¹³⁷ Irradiated DNA. <i>Chemical Research in Toxicology</i> , 1996, 9, 1145-1151.	3.3	89

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109	Protection against Radiation-Induced Degradation of DNA Bases by Polyamines. <i>Radiation Research</i> , 2000, 153, 29-35.	1.5	89
110	Damage to Isolated DNA Mediated by Singlet Oxygen. <i>Helvetica Chimica Acta</i> , 2001, 84, 3702-3709.	1.6	89
111	Synthesis of the diastereomers of thymidine glycol, determination of concentrations and rates of interconversion of their cis-trans isomers at equilibrium and demonstration of differential alkali lability within DNA. <i>Nucleic Acids Research</i> , 1992, 20, 4839-4845.	14.5	88
112	Synthesis and Characterization of Oligonucleotides Containing 5'-Cyclopurine 2'-Deoxyribonucleosides: (5'-R)-5',8-Cyclo-2'-deoxyadenosine, (5'-S)-5',8-Cyclo-2'-deoxyguanosine, and (5'-R)-5',8-Cyclo-2'-deoxyguanosine. <i>Chemical Research in Toxicology</i> , 1999, 12, 412-421.	3.3	88
113	Interleukin-1 and Interleukin-6 Stimulate Acute-Phase Protein Production in Primary Mouse Hepatocytes. <i>Journal of Leukocyte Biology</i> , 1989, 45, 55-61.	3.3	87
114	Conjugation of 2-(1-Hexyloxyethyl)-2-devinylpyropheophorbide-a (HPPH) to Carbohydrates Changes its Subcellular Distribution and Enhances Photodynamic Activity in Vivo. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 4306-4318.	6.4	87
115	Stress-induced dynamic regulation of mitochondrial STAT3 and its association with cyclophilin D reduce mitochondrial ROS production. <i>Science Signaling</i> , 2017, 10, .	3.6	87
116	[14] Singlet oxygen DNA damage products: Formation and measurement. <i>Methods in Enzymology</i> , 2000, 319, 143-153.	1.0	86
117	DNA Tandem Lesions Containing 8-Oxo-7,8-dihydroguanine and Formamido Residues Arise from Intramolecular Addition of Thymine Peroxyl Radical to Guanine. <i>Chemical Research in Toxicology</i> , 2002, 15, 445-454.	3.3	86
118	Hydroxyl Radical Is Not the Main Reactive Species Involved in the Degradation of DNA Bases by Copper in the Presence of Hydrogen Peroxide. <i>Chemical Research in Toxicology</i> , 2003, 16, 191-197.	3.3	86
119	Oxidatively Generated Damage to DNA by UVA Radiation in Cells and Human Skin. <i>Journal of Investigative Dermatology</i> , 2011, 131, 1005-1007.	0.7	86
120	51 Photochemistry of Chlorophylls and Their Synthetic Analogs. <i>Handbook of Porphyrin Science</i> , 2011, , 223-290.	0.8	85
121	Synthesis and Self-aggregation of Zinc 20-Halogenochlorins as a Model for Bacteriochlorophylls. <i>Journal of Porphyrins and Phthalocyanines</i> , 1998, 02, 159-169.	0.8	84
122	Photosensitized Oxidation of 5-Methyl-2'-deoxycytidine by 2-Methyl-1,4-naphthoquinone: Characterization of 5-(Hydroperoxymethyl)-2'-deoxycytidine and Stable Methyl Group Oxidation Products. <i>Journal of the American Chemical Society</i> , 1996, 118, 11406-11411.	13.7	83
123	Recent Aspects of Oxidative DNA Damage: Guanine Lesions, Measurement and Substrate Specificity of DNA Repair Glycosylases. <i>Biological Chemistry</i> , 2002, 383, 933-43.	2.5	83
124	Predominance of the 1,N2-propano 2'-deoxyguanosine adduct among 4-hydroxy-2-nonenal-induced DNA lesions. <i>Free Radical Biology and Medicine</i> , 2004, 37, 62-70.	2.9	83
125	Mechanistic Aspects of Hydration of Guanine Radical Cations in DNA. <i>Journal of the American Chemical Society</i> , 2014, 136, 5956-5962.	13.7	83
126	Sensitized Photo-oxidation of Thymidine by 2-methyl-1,4-naphthoquinone. Characterization of the Stable Photoproducts. <i>International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine</i> , 1986, 50, 491-505.	1.0	82

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127	Hydroxyl-Radical-Induced Decomposition of 2'-Deoxycytidine in Aerated Aqueous Solutions. <i>Journal of the American Chemical Society</i> , 1999, 121, 4101-4110.	13.7	82
128	Use of the Single-Cell Gel Electrophoresis Assay for the Immunofluorescent Detection of Specific DNA Damage. <i>Analytical Biochemistry</i> , 1998, 259, 1-7.	2.4	80
129	Site-Specific Introduction of (5'-S)-5',8-Cyclo-2'-deoxyadenosine into Oligodeoxyribonucleotides. <i>Journal of Organic Chemistry</i> , 1998, 63, 5245-5249.	3.2	80
130	Artificial Light-Harvesting Antennae: Singlet Excitation Energy Transfer from Zinc Chlorin Aggregate to Bacteriochlorin in Homogeneous Hexane Solution. <i>Photochemistry and Photobiology</i> , 1999, 69, 448-456.	2.5	80
131	One-electron oxidation of DNA and inflammation processes. <i>Nature Chemical Biology</i> , 2006, 2, 348-349.	8.0	80
132	Analysis of Fluoroquinolone-mediated Photosensitization of 2'-Deoxyguanosine, Calf Thymus and Cellular DNA: Determination of Type-I, Type-II and Triplet-Triplet Energy Transfer Mechanism Contribution. <i>Photochemistry and Photobiology</i> , 2001, 73, 230.	2.5	80
133	Self-Assembly of Synthetic Zinc Chlorins in Aqueous Microheterogeneous Media to an Artificial Supramolecular Light-Harvesting Device. <i>Helvetica Chimica Acta</i> , 1999, 82, 797-810.	1.6	79
134	Differential repair of UVB-induced cyclobutane pyrimidine dimers in cultured human skin cells and whole human skin. <i>DNA Repair</i> , 2008, 7, 704-712.	2.8	79
135	Formation of Cyclobutane dimers and (6-4) Photoproducts upon Far-UV Photolysis of 5-Methylcytosine-Containing Dinucleoside Monophosphates. <i>Biochemistry</i> , 1994, 33, 11942-11950.	2.5	77
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