

Virginie Lhiaubet-Vallet

List of Publications by Year in descending order

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81
papers

2,115
citations

257450

24
h-index

243625

44
g-index

85
all docs

85
docs citations

85
times ranked

1980
citing authors

#	ARTICLE	IF	CITATIONS
1	Benzophenone Photosensitized DNA Damage. <i>Accounts of Chemical Research</i> , 2012, 45, 1558-1570.	15.6	196
2	Scope and limitations of the TEMPO/EPR method for singlet oxygen detection: the misleading role of electron transfer. <i>Free Radical Biology and Medicine</i> , 2014, 77, 64-70.	2.9	187
3	The Triplet Energy of Thymine in DNA. <i>Journal of the American Chemical Society</i> , 2006, 128, 6318-6319.	13.7	99
4	Photosensitivity to Ketoprofen. <i>Drug Safety</i> , 2000, 22, 339-349.	3.2	98
5	Human Serum Albumin-Mediated Stereodifferentiation in the Triplet State Behavior of (S)- and (R)-Carprofen. <i>Journal of the American Chemical Society</i> , 2004, 126, 9538-9539.	13.7	96
6	Photosensitized pyrimidine dimerisation in DNA. <i>Chemical Science</i> , 2011, 2, 1219.	7.4	96
7	Filter-filter interactions. Photostabilization, triplet quenching and reactivity with singlet oxygen. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 552-558.	2.9	88
8	A Blocked Diketo Form of Avobenzonone: Photostability, Photosensitizing Properties and Triplet Quenching by a Triazine-derived UVB filter. <i>Photochemistry and Photobiology</i> , 2009, 85, 178-184.	2.5	86
9	Triplet Excited Fluoroquinolones as Mediators for Thymine Cyclobutane Dimer Formation in DNA. <i>Journal of Physical Chemistry B</i> , 2007, 111, 7409-7414.	2.6	70
10	Photosensitized DNA Damage: The Case of Fluoroquinolones. <i>Photochemistry and Photobiology</i> , 2009, 85, 861-868.	2.5	66
11	Comparison of DNA Damage Photoinduced by Ketoprofen, Fenofibric Acid and Benzophenone via Electron and Energy Transfer. <i>Photochemistry and Photobiology</i> , 2001, 74, 670.	2.5	64
12	Photoactive assemblies of organic compounds and biomolecules: drug-protein supramolecular systems. <i>Chemical Society Reviews</i> , 2014, 43, 4102-4122.	38.1	51
13	A Mechanistic Study on the Phototoxicity of Atorvastatin: Singlet Oxygen Generation by a Phenanthrene-like Photoproduct. <i>Chemical Research in Toxicology</i> , 2009, 22, 173-178.	3.3	49
14	Stereodifferentiating Drug-Biomolecule Interactions in the Triplet Excited State: Studies on Supramolecular Carprofen/Protein Systems and on Carprofen-Tryptophan Model Dyads. <i>Journal of Physical Chemistry B</i> , 2007, 111, 423-431.	2.6	47
15	Spectroscopic and theoretical studies of the excited states of fenofibric acid and ketoprofen in relation with their photosensitizing properties. <i>New Journal of Chemistry</i> , 2000, 24, 403-410.	2.8	40
16	Excited State Enantiodifferentiating Interactions between a Chiral Benzophenone Derivative and Nucleosides. <i>Journal of the American Chemical Society</i> , 2005, 127, 12774-12775.	13.7	38
17	Photosensitization of DNA by 5-Methyl-2-Pyrimidone Deoxyribonucleoside: (6⁴) Photoproduct as a Possible Trojan Horse. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6476-6479.	13.8	36
18	Photophysical properties of 5-substituted 2-thiopyrimidines. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 1460-1465.	2.9	28

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19	Oxidatively Generated Lesions as Internal Photosensitizers for Pyrimidine Dimerization in DNA. <i>ACS Chemical Biology</i> , 2018, 13, 542-547.	3.4	28
20	Drug-protein interactions assessed by fluorescence measurements in the real complexes and in model dyads. <i>Chemical Physics Letters</i> , 2010, 486, 147-153.	2.6	27
21	The Long-Lived Triplet Excited State of an Elongated Ketoprofen Derivative and Its Interactions with Amino Acids and Nucleosides. <i>Journal of Physical Chemistry B</i> , 2007, 111, 8277-8282.	2.6	26
22	The Triplet State of a N-Phenylphthalimidine with High Intersystem Crossing Efficiency: Characterization by Transient Absorption Spectroscopy and DNA Sensitization Properties. <i>Journal of Physical Chemistry B</i> , 2004, 108, 14148-14153.	2.6	25
23	A photophysical approach to investigate the photooxidation mechanism of pesticides: Hydroxyl radical versus electron transfer. <i>Applied Catalysis B: Environmental</i> , 2011, 103, 48-53.	20.2	25
24	Photoinduced intersystem crossing in DNA oxidative lesions and epigenetic intermediates. <i>Chemical Communications</i> , 2020, 56, 4404-4407.	4.1	25
25	Binding of naproxen enantiomers to human serum albumin studied by fluorescence and room-temperature phosphorescence. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 105, 67-73.	3.9	22
26	Model Studies on a Carprofen Derivative as Dual Photosensitizer for Thymine Dimerization and (6-4) Photoproduct Repair. <i>ChemBioChem</i> , 2007, 8, 402-407.	2.6	20
27	Synthesis of New 2-(2'-Hydroxyaryl)benzotriazoles and Evaluation of Their Photochemical Behavior as Potential UV-Filters. <i>Molecules</i> , 2010, 15, 6205-6216.	3.8	20
28	Triplet photosensitization mechanism of thymine by an oxidized nucleobase: from a dimeric model to DNA environment. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 25666-25675.	2.8	20
29	Photosensitization of DNA by 5-Methyl-2-Pyrimidone Deoxyribonucleoside: (6-4) Photoproduct as a Possible Trojan Horse. <i>Angewandte Chemie</i> , 2013, 125, 6604-6607.	2.0	18
30	A novel synthetic approach to tyrosine dimers based on pterin photosensitization. <i>Dyes and Pigments</i> , 2017, 147, 67-74.	3.7	18
31	Solvent Dependence of the Photophysical Properties of 2-Chlorothioxanthone, the Principal Photoproduct of Chlorprothixene. <i>Photochemistry and Photobiology</i> , 2011, 87, 611-617.	2.5	17
32	Photonucleophilic Addition of the ϵ -Amino Group of Lysine to a Triflusal Metabolite as a Mechanistic Key to Photoallergy Mediated by the Parent Drug. <i>ChemMedChem</i> , 2009, 4, 1196-1202.	3.2	16
33	The (6-4) Dimeric Lesion as a DNA Photosensitizer. <i>ChemPhysChem</i> , 2016, 17, 1979-1982.	2.1	16
34	Seeking the mechanism responsible for fluoroquinolone photomutagenicity: a pulse radiolysis, steady-state, and laser flash photolysis study. <i>Free Radical Biology and Medicine</i> , 2014, 67, 417-425.	2.9	15
35	Repair of a Dimeric Azetidine Related to the Thymine-Cytosine (6-4) Photoproduct by Electron Transfer Photoreduction. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6037-6040.	13.8	15
36	Characterization, reactivity and photosensitizing properties of the triplet excited state of ϵ -lapachone. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 6645.	2.8	14

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37	Enhanced Photochemical [6+6] Electrocyclization within the Lipophilic Protein Binding Site. <i>Organic Letters</i> , 2012, 14, 1788-1791.	4.6	14
38	In vitro studies on DNA-photosensitization by different drug stereoisomers. <i>Toxicology in Vitro</i> , 2003, 17, 651-656.	2.4	13
39	Drug-biomolecule interactions in the excited states. <i>Pure and Applied Chemistry</i> , 2006, 78, 2277-2286.	1.9	13
40	Site-Dependent Photo-Fries Rearrangement within Serum Albumins. <i>Journal of Physical Chemistry B</i> , 2011, 115, 2910-2915.	2.6	13
41	Reactivity of Nucleosides with a Hydroxyl Radical in Non-aqueous Medium. <i>Chemistry - A European Journal</i> , 2012, 18, 8024-8027.	3.3	13
42	Potential Phototoxicity of Rosuvastatin Mediated by Its Dihydrophenanthrene-like Photoproduct. <i>Chemical Research in Toxicology</i> , 2011, 24, 1779-1785.	3.3	12
43	Photosensitized Thymine Dimerization via Delocalized Triplet Excited States. <i>Chemistry - A European Journal</i> , 2015, 21, 17051-17056.	3.3	12
44	Photosensitivity to Triflusal: Formation of a Photoadduct with Ubiquitin Demonstrated by Photophysical and Proteomic Techniques. <i>Frontiers in Pharmacology</i> , 2016, 7, 277.	3.5	12
45	Photochemical and Photophysical Properties of Indoprofen. <i>Photochemistry and Photobiology</i> , 2003, 77, 487.	2.5	11
46	DNA photosensitization by indoprofen ? is DNA damage photoinduced by indoprofen or by its photoproducts?. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 226.	2.9	11
47	Photosensitizing Properties of Triplet $^3\text{I}^2\text{A}$ -lapachones in Acetonitrile Solution. <i>Photochemistry and Photobiology</i> , 2009, 85, 153-159.	2.5	11
48	Photochemical formation of a fluorescent thymidine-pterin adduct in DNA. <i>Dyes and Pigments</i> , 2019, 160, 624-632.	3.7	11
49	Chemical Modifications of Globular Proteins Phototriggered by an Endogenous Photosensitizer. <i>Chemical Research in Toxicology</i> , 2019, 32, 2250-2259.	3.3	11
50	The photochemical reactivity of triplet $^3\text{I}^2\text{A}$ -lapachone-3-sulfonic acid towards biological substrates. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 966-972.	0.6	10
51	Two-Photon Chemistry from Upper Triplet States of Thymine. <i>Journal of the American Chemical Society</i> , 2013, 135, 16714-16719.	13.7	10
52	Stereoselective Binding of Flurbiprofen Enantiomers and their Methyl Esters to Human Serum Albumin Studied by Time-resolved Phosphorescence. <i>Chirality</i> , 2012, 24, 840-846.	2.6	9
53	Sunscreen-Based Photocages for Topical Drugs: A Photophysical and Photochemical Study of A Diclofenac-Avobenzone Dyad. <i>Molecules</i> , 2018, 23, 673.	3.8	9
54	Experimental and theoretical studies on thymine photodimerization mediated by oxidatively generated DNA lesions and epigenetic intermediates. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 25661-25668.	2.8	9

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55	Photochemical and photophysical properties of dibenzoylmethane derivatives within protein. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1474.	2.9	8
56	Spectroscopic characterization of dipicolinic acid and its photoproducts as thymine photosensitizers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 245, 118898.	3.9	8
57	Blocking cyclobutane pyrimidine dimer formation by steric hindrance. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4110-4115.	2.8	7
58	Photocages for protection and controlled release of bioactive compounds. <i>Chemical Communications</i> , 2016, 52, 14215-14218.	4.1	7
59	Experimental and Theoretical Study on the Cycloreversion of a Nucleobase-Derived Azetidine by Photoinduced Electron Transfer. <i>Chemistry - A European Journal</i> , 2018, 24, 15346-15354.	3.3	7
60	Phototoxicity of Drugs. , 2012, , 1541-1555.		7
61	Photophysics and Photochemistry of Chlorprothixene in Acetonitrile. <i>Photochemistry and Photobiology</i> , 2009, 85, 895-900.	2.5	6
62	Generation of reactive aryl radical intermediates in the reductive photodehalogenation of itraconazole. <i>RSC Advances</i> , 2014, 4, 2687-2693.	3.6	6
63	Photosensitization by Imatinib. A Photochemical and Photobiological Study of the Drug and Its Substructures. <i>Chemical Research in Toxicology</i> , 2014, 27, 1990-1995.	3.3	6
64	Stereoselective Fluorescence Quenching in the Electron Transfer Photooxidation of Nucleobase-Related Azetidines by Cyanoaromatics. <i>Molecules</i> , 2016, 21, 1683.	3.8	6
65	Drug-DNA complexation as the key factor in photosensitized thymine dimerization. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 4951-4955.	2.8	6
66	Enhanced Drug Photosafety by Interchromophoric Interaction Owing to Intramolecular Charge Separation. <i>Chemistry - A European Journal</i> , 2018, 24, 6654-6659.	3.3	5
67	Theoretical Study on the Photo-Oxidation and Photoreduction of an Azetidine Derivative as a Model of DNA Repair. <i>Molecules</i> , 2021, 26, 2911.	3.8	5
68	Triplet stabilization for enhanced drug photorelease from sunscreen-based photocages. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 1752-1759.	2.8	4
69	The Excited State Dynamics of a Mutagenic Cytidine Etheno Adduct Investigated by Combining Time-Resolved Spectroscopy and Quantum Mechanical Calculations. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 251-257.	4.6	4
70	A Combined Experimental and Theoretical Approach to the Photogeneration of 5,6-Dihydropyrimidin-5-yl Radicals in Nonaqueous Media. <i>Journal of Organic Chemistry</i> , 2016, 81, 4031-4038.	3.2	3
71	Comparison of DNA Damage Photoinduced by Ketoprofen, Fenofibric Acid and Benzophenone via Electron and Energy Transfer. <i>Photochemistry and Photobiology</i> , 2007, 74, 670-678.	2.5	2
72	Photooxidation Mechanism of Levomepromazine in Different Solvents. <i>Photochemistry and Photobiology</i> , 2013, 89, 1479-1489.	2.5	2

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73	Photophysics and photochemistry of the \hat{I}^2 -lapachone derived diphenyldihydrodioxin: generation and characterization of its cation radical. Photochemical and Photobiological Sciences, 2014, 13, 1655-1660.	2.9	2
74	A Sunscreen-Based Photocage for Carbonyl Groups. Chemistry - A European Journal, 2020, 26, 7205-7211.	3.3	2
75	Pterin-lysine photoadduct: a potential candidate for photoallergy. Photochemical and Photobiological Sciences, 2022, 21, 1647-1657.	2.9	2
76	Photosensitization by chiral drugs: Looking for stereodifferentiating photoprocesses in the presence of biomolecules. Pure and Applied Chemistry, 2005, 77, 995-1000.	1.9	1
77	Repair of a Dimeric Azetidine Related to the Thymine-Cytosine (6 $\hat{\bullet}$ 4) Photoproduct by Electron Transfer Photoreduction. Angewandte Chemie, 2016, 128, 6141-6144.	2.0	1
78	The (6-4) Dimeric Lesion as a DNA Photosensitizer. ChemPhysChem, 2016, 17, 1943-1943.	2.1	1
79	Pterin-photosensitization of thymine under anaerobic conditions in the presence of guanine. Free Radical Biology and Medicine, 2021, 174, 321-328.	2.9	1
80	Frontispiece: A Sunscreen-Based Photocage for Carbonyl Groups. Chemistry - A European Journal, 2020, 26, .	3.3	0
81	Model Studies on the Photoreduction of the 5-Hydroxy-5,6-dihydrothymine and 5-Methyl-2-pyrimidone Moieties of (6 $\hat{\bullet}$ 4) Photoproducts by Photolyase. Photochemistry and Photobiology, 2022, , .	2.5	0