Franco MartÃ-n Cabrerizo

List of Publications by Year
in descending order

68 papers	1,495 citations	279798 23 h-index	361022 35 g-index
69 all docs	69 docs citations	69 times ranked	1195 citing authors

#	Article	IF	Citations
1	Spectroscopic and quantum chemical characterization of the ground and lowest electronically excited singlet and triplet states of halo- and nitro-harmines in aqueous media. Physical Chemistry Chemical Physics, 2021, 23, 11039-11051.	2.8	3
2	Exploring Chemical Kinetics at Home in Times of Pandemic: Following the Bleaching of Food Dye Allura Red Using a Smartphone. Journal of Chemical Education, 2021, 98, 2117-2121.	2.3	19
3	Photocatalytic Oxidation of Urea on Surface-Modified Bi₂WO₆ with <i>trans</i>-4-Stilbenecarboxaldehyde. Journal of Physical Chemistry C, 2021, 125, 12682-12689.	3.1	10
4	In vitro Effect of Harmine Alkaloid and Its N-Methyl Derivatives Against Toxoplasma gondii. Frontiers in Microbiology, 2021, 12, 716534.	3.5	7
5	Unraveling Kinetic Effects during Photoelectrochemical Mineralization of Phenols. Rutile:Anatase TiO₂ Nanotube Photoanodes under Thin-Layer Conditions. Journal of Physical Chemistry C, 2021, 125, 610-617.	3.1	6
6	Photophysical properties of a Î²-Carboline Rhenium (I) complex. Solvent effects on excited states and their redox reactivity. Journal of Photochemistry and Photobiology, 2021, 8, 100078.	2.5	2
7	Photosensitizing role of R-phycoerythrin red protein and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1960" altimg="si92.svg"><mml:mi>Î²</mml:mi></mml:math>-carboline alkaloids in Dye sensitized solar cell. Electrochemical and spectroscopic characterization. Energy Reports, 2020, 6, 25-36.	5.1	14
8	Photophysical and spectroscopic features of 3,4-dihydro-Î²-carbolines: a combined experimental and theoretical approach. Physical Chemistry Chemical Physics, 2020, 22, 20901-20913.	2.8	4
9	<i>N</i>-Methyl-Î²-carboline alkaloids: structure-dependent photosensitizing properties and localization in subcellular domains. Organic and Biomolecular Chemistry, 2020, 18, 6519-6530.	2.8	7
10	Photocatalysis and photoelectrochemical glucose oxidation on Bi2WO6: Conditions for the concomitant H2 production. Renewable Energy, 2020, 152, 974-983.	8.9	36
11	Photophysics and photochemistry of carminic acid and related natural pigments. Physical Chemistry Chemical Physics, 2020, 22, 9534-9542.	2.8	3
12	Light-induced full aromatization and hydroxylation of 7-methoxy-1-methyl-3,4-dihydro-2H-pyrido[3,4-b]indole alkaloid: Oxygen partial pressure as a key modulator of the photoproducts distribution. Journal of Photochemistry and Photobiology B: Biology, 2019, 199, 111600.	3.8	9
13	DNA damage photo-induced by chloroharmine isomers: hydrolysis<i>versus</i>oxidation of nucleobases. Organic and Biomolecular Chemistry, 2018, 16, 2170-2184.	2.8	17
14	DNA Oxidation Photoinduced by Norharmane Rhenium(I) Polypyridyl Complexes: Effect of the Bidentate N,Nâ€²â€Ligands on the Damage Profile. Chemistry - A European Journal, 2018, 24, 12902-12911.	3.3	16
15	Photophysical properties of [(norharmane)Re(CO)3 (L)]+ complexes (Lâ€¯=â€¯bpy, phen or dppz). Redox behavior of the excited states and their interaction with Calf Thymus DNA. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 364, 169-176.	3.9	8
16	Î²-Carboline derivatives as novel antivirals for herpes simplex virus. International Journal of Antimicrobial Agents, 2018, 52, 459-468.	2.5	34
17	Photophysical and Photochemical Properties of Naturally Occurring <i>nor</i>melinonine F and Melinonine F Alkaloids and Structurally Related N(2)â€•and/or N(9)â€•methylâ€<i>Î²</i>â€carboline Derivatives. Photochemistry and Photobiology, 2018, 94, 36-51.	2.5	24
18	A cockspur for the DSS cells: Erythrina crista-galli sensitizers. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 176, 91-98.	3.9	12

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19	Synthesis, Structural Characterization and Biological Evaluation of Rhenium(I) Tricarbonyl Complexes with Î²â€Carboline Ligands.. ChemistrySelect, 2017, 2, 8666-8672.	1.5	19
20	A comprehensive analysis of direct and photosensitized attenuation of Toxoplasma gondii tachyzoites. Journal of Photochemistry and Photobiology B: Biology, 2017, 177, 8-17.	3.8	2
21	Antifungal activity of Î²-carbolines on Penicillium digitatum and Botrytis cinerea. Food Microbiology, 2017, 62, 9-14.	4.2	54
22	UVA Photoactivation of Harmol Enhances Its Antifungal Activity against the Phytopathogens Penicillium digitatum and Botrytis cinerea. Frontiers in Microbiology, 2017, 8, 347.	3.5	32
23	Albuminâ€“Folate Conjugates for Drugâ€targeting in Photodynamic Therapy. Photochemistry and Photobiology, 2016, 92, 611-619.	2.5	17
24	Chemical and photochemical properties of chloroharmine derivatives in aqueous solutions. Physical Chemistry Chemical Physics, 2016, 18, 886-900.	2.8	19
25	Experimental and computational study of solvent effects on one- and two-photon absorption spectra of chlorinated harmines. Physical Chemistry Chemical Physics, 2015, 17, 12090-12099.	2.8	20
26	DNA damage induced by bare and loaded microporous coordination polymers from their ground and electronic excited states. Physical Chemistry Chemical Physics, 2015, 17, 12462-12465.	2.8	10
27	Norharmane rhenium(<scp>i</scp>) polypyridyl complexes: synthesis, structural and spectroscopic characterization. Dalton Transactions, 2015, 44, 17064-17074.	3.3	14
28	Intra- and extra-cellular DNA damage by harmine and 9-methyl-harmine. Journal of Photochemistry and Photobiology B: Biology, 2014, 132, 66-71.	3.8	23
29	Determining the molecular basis for the pH-dependent interaction between 2â€²-deoxynucleotides and 9H-pyrido[3,4-b]indole in its ground and electronic excited states. Physical Chemistry Chemical Physics, 2014, 16, 16547-16562.	2.8	15
30	Comment on â€œBinding of alkaloid harmalol to DNA: Photophysical and calorimetric approachâ€. Journal of Photochemistry and Photobiology B: Biology, 2014, 136, 26-28.	3.8	8
31	In vitro evaluation of Î²-carboline alkaloids as potential anti-Toxoplasma agents. BMC Research Notes, 2013, 6, 193.	1.4	50
32	Mechanisms of DNA damage by photoexcited 9-methyl-Î²-carbolines. Organic and Biomolecular Chemistry, 2013, 11, 5300.	2.8	32
33	Photosensitized electron transfer within a self-assembled norharmaneâ€“2â€²-deoxyadenosine 5â€²-monophosphate (dAMP) complex. Organic and Biomolecular Chemistry, 2012, 10, 9359.	2.8	20
34	Photosensitization of DNA by Î²-carbolines: Kinetic analysis and photoproduct characterization. Organic and Biomolecular Chemistry, 2012, 10, 1807.	2.8	38
35	Characterization and reactivity of photodimers of dihydroneopterin and dihydrobiopterin. Photochemical and Photobiological Sciences, 2012, 11, 979.	2.9	6
36	Waterâ€Soluble (Pterin)rhenium(I) Complex: Synthesis, Structural Characterization, and Two Reversible Protonationâ€“Deprotonation Behavior in Aqueous Solutions. European Journal of Inorganic Chemistry, 2012, 2012, 4801-4810.	2.0	16

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37	Photodynamic Effects of Pterin on HeLa Cells. Photochemistry and Photobiology, 2011, 87, 862-866.	2.5	20
38	Fluorescence Quenching by Oxygen: â€œDebunkingâ€•a Classic Rule. ChemPhysChem, 2010, 11, 796-798.	2.1	40
39	1H NMR characterization of the intermediate formed upon UV-A excitation of biopterin, neopterin and 6-hydroxymethylpterin in O2-free aqueous solutions. Chemical Physics Letters, 2010, 484, 330-332.	2.6	7
40	Photosensitized cleavage of plasmidic DNA by norharmane, a naturally occurring Î²-carboline. Organic and Biomolecular Chemistry, 2010, 8, 2543.	2.8	28
41	Photochemistry of dihydrobiopterin in aqueous solution. Organic and Biomolecular Chemistry, 2010, 8, 800-810.	2.8	25
42	Predictive modeling of the total deactivation rate constant of singlet oxygen by heterocyclic compounds. Journal of Molecular Graphics and Modelling, 2009, 28, 12-19.	2.4	19
43	New Results on the Photochemistry of Biopterin and Neopterin in Aqueous Solution. Photochemistry and Photobiology, 2009, 85, 365-373.	2.5	21
44	Photochemistry of norharmane in aqueous solution. Photochemical and Photobiological Sciences, 2009, 8, 1139-1149.	2.9	34
45	Quenching of the Fluorescence of Aromatic Pterins by Deoxynucleotides. Journal of Physical Chemistry A, 2009, 113, 1794-1799.	2.5	27
46	The photosensitizing activity of lumazine using 2â€²-deoxyguanosine 5â€²-monophosphate and HeLa cells as targets. Photochemical and Photobiological Sciences, 2009, 8, 1539.	2.9	13
47	One- and Two-Photon Excitation of Î²-Carbolines in Aqueous Solution: pH-Dependent Spectroscopy, Photochemistry, and Photophysics. Journal of Physical Chemistry A, 2009, 113, 6648-6656.	2.5	59
48	Oxidation of 2â€˜-Deoxyguanosine 5â€˜-Monophosphate Photoinduced by Pterin:â€‰ Type I versus Type II Mechanism. Journal of the American Chemical Society, 2008, 130, 3001-3011.	13.7	82
49	Photosensitization of 2â€²-deoxyadenosine-5â€²-monophosphate by pterin. Organic and Biomolecular Chemistry, 2007, 5, 2792.	2.8	50
50	The photophysics of nitrocarbazoles used as UV-MALDI matrices: Comparative spectroscopic and optoacoustic studies of mononitro- and dinitrocarbazoles. Chemical Physics Letters, 2007, 446, 49-55.	2.6	12
51	A Large Entropic Term Due to Water Rearrangement is Concomitant with the Photoproduction of Anionic Free-Base Porphyrin Triplet States in Aqueous Solutionsâ€. Photochemistry and Photobiology, 2007, 83, 503-510.	2.5	4
52	Reactivity of Conjugated and Unconjugated Pterins with Singlet Oxygen (O2(1Î”g)): Physical Quenching and Chemical Reactionâ€. Photochemistry and Photobiology, 2007, 83, 526-534.	2.5	28
53	Photoinduced Formation of Reactive Oxygen Species from the Acid Form of 6-(Hydroxymethyl)pterin in Aqueous Solution. Helvetica Chimica Acta, 2006, 89, 1090-1104.	1.6	10
54	Synthesis and Electronic Spectroscopy of Bromocarbazoles. Direct Bromination ofN- andC-Substituted Carbazoles byN-Bromosuccinimide or aN-Bromosuccinimide/Silica Gel System. Helvetica Chimica Acta, 2006, 89, 1123-1139.	1.6	19

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55	Electronic spectroscopy of the Î²-carboline derivatives nitronorharmanes, nitroharmanes, nitroharmines and chloroharmines in homogeneous media and in solid matrix. Arkivoc, 2006, 2005, 295-310.	0.5	4
56	Substituent Effects on the Photophysical Properties of Pterin Derivatives in Acidic and Alkaline Aqueous Solutions. Photochemistry and Photobiology, 2005, 81, 1234.	2.5	37
57	Photochemical Behavior of 6â€Methylpterin in Aqueous Solutions: Generation of Reactive Oxygen Species^{Â¶}. Photochemistry and Photobiology, 2005, 81, 793-801.	2.5	1
58	Photochemical Behavior of 6-Methylpterin in Aqueous Solutions: Generation of Reactive Oxygen SpeciesÂ¶. Photochemistry and Photobiology, 2005, 81, 793.	2.5	17
59	Photochemical behaviour of 6-methylpterin in Aqueous Solutions: Generation of Reactive Oxygen Species. Photochemistry and Photobiology, 2005, 81, 793-801.	2.5	2
60	Photooxidation of Pterin in Aqueous Solutions: Biological and Biomedical Implications. Chemistry and Biodiversity, 2004, 1, 1800-1811.	2.1	23
61	Generation of Reactive Oxygen Species during the Photolysis of 6-(Hydroxymethyl)pterin in Alkaline Aqueous Solutions. Helvetica Chimica Acta, 2004, 87, 349-365.	1.6	25
62	Photochemical Behavior of Folic Acid in Alkaline Aqueous Solutions and Evolution of Its Photoproducts. Helvetica Chimica Acta, 2002, 85, 2300-2315.	1.6	31
63	Decamolybdodicobaltate(III) heteropolyanion: structural, spectroscopical, thermal and hydrotreating catalytic properties. Journal of Molecular Catalysis A, 2002, 186, 89-100.	4.8	75
64	Photochemistry of 6-Formylpterin in Alkaline Medium. Helvetica Chimica Acta, 2001, 84, 3849-3860.	1.6	17
65	Study of the photolysis of folic acid and 6-formylpterin in acid aqueous solutions. Journal of Photochemistry and Photobiology A: Chemistry, 2000, 135, 147-154.	3.9	85
66	Study of the photolysis of 6-carboxypterin in acid and alkaline aqueous solutions. Journal of Photochemistry and Photobiology A: Chemistry, 2000, 132, 53-57.	3.9	33
67	Î“-Al2O3-Supported XMo6 Anderson Heteropolyoxomolybdates: Adsorption Studies for X = TeVI, AlIII, CoIII, CrIII and NiII by DR Spectroscopy and TPR Analysis. Adsorption Science and Technology, 2000, 18, 591-608.	3.2	20
68	FotoelectroquÃmica en sistemas nanoestructurados: una discusiÃ³n desde sus lÃmites naturales. InfoANALÃTICA, 0, , 52-77.	0.1	0