

# Franco MartÃ- n Cabrerizo

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | Study of the photolysis of folic acid and 6-formylpterin in acid aqueous solutions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2000, 135, 147-154.                                   | 3.9  | 85        |
| 2  | Oxidation of 2-Deoxyguanosine 5-Monophosphate Photoinduced by Pterin: Type I versus Type II Mechanism. <i>Journal of the American Chemical Society</i> , 2008, 130, 3001-3011.                             | 13.7 | 82        |
| 3  | Decamolybdodicobaltate(III) heteropolyanion: structural, spectroscopical, thermal and hydrotreating catalytic properties. <i>Journal of Molecular Catalysis A</i> , 2002, 186, 89-100.                     | 4.8  | 75        |
| 4  | One- and Two-Photon Excitation of $\hat{I}^2$ -Carbolines in Aqueous Solution: pH-Dependent Spectroscopy, Photochemistry, and Photophysics. <i>Journal of Physical Chemistry A</i> , 2009, 113, 6648-6656. | 2.5  | 59        |
| 5  | Antifungal activity of $\hat{I}^2$ -carbolines on <i>Penicillium digitatum</i> and <i>Botrytis cinerea</i> . <i>Food Microbiology</i> , 2017, 62, 9-14.  | 4.2  | 54        |
| 6  | Photosensitization of 2-deoxyadenosine-5-monophosphate by pterin. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 2792.   | 2.8  | 50        |
| 7  | In vitro evaluation of $\hat{I}^2$ -carboline alkaloids as potential anti-Toxoplasma agents. <i>BMC Research Notes</i> , 2013, 6, 193.   | 1.4  | 50        |
| 8  | Fluorescence Quenching by Oxygen: Debunking a Classic Rule. <i>ChemPhysChem</i> , 2010, 11, 796-798.   | 2.1  | 40        |
| 9  | Photosensitization of DNA by $\hat{I}^2$ -carbolines: Kinetic analysis and photoproduct characterization. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1807.                                      | 2.8  | 38        |
| 10 | Substituent Effects on the Photophysical Properties of Pterin Derivatives in Acidic and Alkaline Aqueous Solutions. <i>Photochemistry and Photobiology</i> , 2005, 81, 1234.                               | 2.5  | 37        |
| 11 | Photocatalysis and photoelectrochemical glucose oxidation on Bi <sub>2</sub> WO <sub>6</sub> : Conditions for the concomitant H <sub>2</sub> production. <i>Renewable Energy</i> , 2020, 152, 974-983.     | 8.9  | 36        |
| 12 | Photochemistry of norharmane in aqueous solution. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 1139-1149.  | 2.9  | 34        |
| 13 | $\hat{I}^2$ -Carboline derivatives as novel antivirals for herpes simplex virus. <i>International Journal of Antimicrobial Agents</i> , 2018, 52, 459-468.   | 2.5  | 34        |
| 14 | Study of the photolysis of 6-carboxypterin in acid and alkaline aqueous solutions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2000, 132, 53-57.                                      | 3.9  | 33        |
| 15 | Mechanisms of DNA damage by photoexcited 9-methyl- $\hat{I}^2$ -carbolines. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5300.  | 2.8  | 32        |
| 16 | UVA Photoactivation of Harmol Enhances Its Antifungal Activity against the Phytopathogens <i>Penicillium digitatum</i> and <i>Botrytis cinerea</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 347.      | 3.5  | 32        |
| 17 | Photochemical Behavior of Folic Acid in Alkaline Aqueous Solutions and Evolution of Its Photoproducts. <i>Helvetica Chimica Acta</i> , 2002, 85, 2300-2315.  | 1.6  | 31        |
| 18 | Reactivity of Conjugated and Unconjugated Pterins with Singlet Oxygen (O <sub>2</sub> ( $1^1$ g)): Physical Quenching and Chemical Reaction. <i>Photochemistry and Photobiology</i> , 2007, 83, 526-534.   | 2.5  | 28        |

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|----|---|-----|-----------|
| 19 | Photosensitized cleavage of plasmidic DNA by norharmane, a naturally occurring $\hat{I}^2$ -carboline. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2543.   | 2.8 | 28        |
| 20 | Quenching of the Fluorescence of Aromatic Pterins by Deoxynucleotides. <i>Journal of Physical Chemistry A</i> , 2009, 113, 1794-1799.   | 2.5 | 27        |
| 21 | Generation of Reactive Oxygen Species during the Photolysis of 6-(Hydroxymethyl)pterin in Alkaline Aqueous Solutions. <i>Helvetica Chimica Acta</i> , 2004, 87, 349-365.  | 1.6 | 25        |
| 22 | Photochemistry of dihydrobiopterin in aqueous solution. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 800-810.   | 2.8 | 25        |
| 23 | Photophysical and Photochemical Properties of Naturally Occurring <i>nor</i> and Melinonine F Alkaloids and Structurally Related N(2)- and/or N(9)-methyl- $\hat{I}^2$ -carboline Derivatives. <i>Photochemistry and Photobiology</i> , 2018, 94, 36-51.                  | 2.5 | 24        |
| 24 | Photooxidation of Pterin in Aqueous Solutions: Biological and Biomedical Implications. <i>Chemistry and Biodiversity</i> , 2004, 1, 1800-1811.  | 2.1 | 23        |
| 25 | Intra- and extra-cellular DNA damage by harmine and 9-methyl-harmine. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 132, 66-71.  | 3.8 | 23        |
| 26 | New Results on the Photochemistry of Biopterin and Neopterin in Aqueous Solution. <i>Photochemistry and Photobiology</i> , 2009, 85, 365-373.   | 2.5 | 21        |
| 27 | $\hat{I}^2$ -Al <sub>2</sub> O <sub>3</sub> -Supported XM <sub>6</sub> Anderson Heteropolyoxomolybdates: Adsorption Studies for X = TeVI, AlIII, CoIII, CrIII and NiII by DR Spectroscopy and TPR Analysis. <i>Adsorption Science and Technology</i> , 2000, 18, 591-608. | 3.2 | 20        |
| 28 | Photodynamic Effects of Pterin on HeLa Cells. <i>Photochemistry and Photobiology</i> , 2011, 87, 862-866.   | 2.5 | 20        |
| 29 | Photosensitized electron transfer within a self-assembled norharmane- $\hat{I}^2$ -deoxyadenosine 5'-monophosphate (dAMP) complex. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 9359.  | 2.8 | 20        |
| 30 | Experimental and computational study of solvent effects on one- and two-photon absorption spectra of chlorinated harmine. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 12090-12099.   | 2.8 | 20        |
| 31 | Synthesis and Electronic Spectroscopy of Bromocarbazoles. Direct Bromination of N- and C-Substituted Carbazoles by N-Bromosuccinimide or a N-Bromosuccinimide/Silica Gel System. <i>Helvetica Chimica Acta</i> , 2006, 89, 1123-1139.                                     | 1.6 | 19        |
| 32 | Predictive modeling of the total deactivation rate constant of singlet oxygen by heterocyclic compounds. <i>Journal of Molecular Graphics and Modelling</i> , 2009, 28, 12-19.  | 2.4 | 19        |
| 33 | Chemical and photochemical properties of chloroharmine derivatives in aqueous solutions. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 886-900.  | 2.8 | 19        |
| 34 | Synthesis, Structural Characterization and Biological Evaluation of Rhenium(I) Tricarbonyl Complexes with $\hat{I}^2$ -Carboline Ligands. <i>ChemistrySelect</i> , 2017, 2, 8666-8672.  | 1.5 | 19        |
| 35 | Exploring Chemical Kinetics at Home in Times of Pandemic: Following the Bleaching of Food Dye Allura Red Using a Smartphone. <i>Journal of Chemical Education</i> , 2021, 98, 2117-2121.  | 2.3 | 19        |
| 36 | Photochemistry of 6-Formylpterin in Alkaline Medium. <i>Helvetica Chimica Acta</i> , 2001, 84, 3849-3860.   | 1.6 | 17        |

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|----|--|-----|-----------|
| 37 | Albumin-Folate Conjugates for Drug-Targeting in Photodynamic Therapy. <i>Photochemistry and Photobiology</i> , 2016, 92, 611-619.  | 2.5 | 17        |
| 38 | DNA damage photo-induced by chloroharmane isomers: hydrolysis versus oxidation of nucleobases. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2170-2184.  | 2.8 | 17        |
| 39 | Photochemical Behavior of 6-Methylpterin in Aqueous Solutions: Generation of Reactive Oxygen Species. <i>Photochemistry and Photobiology</i> , 2005, 81, 793.  | 2.5 | 17        |
| 40 | Water-Soluble (Pterin)rhenium(I) Complex: Synthesis, Structural Characterization, and Two Reversible Protonation-Deprotonation Behavior in Aqueous Solutions. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4801-4810.  | 2.0 | 16        |
| 41 | DNA Oxidation Photoinduced by Norharmane Rhenium(I) Polypyridyl Complexes: Effect of the Bidentate N <sub>2</sub> -Ligands on the Damage Profile. <i>Chemistry - A European Journal</i> , 2018, 24, 12902-12911.   | 3.3 | 16        |
| 42 | Determining the molecular basis for the pH-dependent interaction between 2-deoxynucleotides and 9H-pyrido[3,4-b]indole in its ground and electronic excited states. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 16547-16562.  | 2.8 | 15        |
| 43 | Norharmane rhenium( <i>scp</i> ) polypyridyl complexes: synthesis, structural and spectroscopic characterization. <i>Dalton Transactions</i> , 2015, 44, 17064-17074.  | 3.3 | 14        |
| 44 | Photosensitizing role of R-phycoerythrin red protein and $\text{I}^2$ -carboline alkaloids in Dye sensitized solar cell. Electrochemical and spectroscopic characterization. <i>Energy Reports</i> , 2020, 6, 25-36.   | 5.1 | 14        |
| 45 | The photosensitizing activity of lumazine using 2-deoxyguanosine 5-monophosphate and HeLa cells as targets. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 1539.   | 2.9 | 13        |
| 46 | The photophysics of nitrocarbazoles used as UV-MALDI matrices: Comparative spectroscopic and optoacoustic studies of mononitro- and dinitrocarbazoles. <i>Chemical Physics Letters</i> , 2007, 446, 49-55.   | 2.6 | 12        |
| 47 | A cockspur for the DSS cells: Erythrina crista-galli sensitizers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 176, 91-98.   | 3.9 | 12        |
| 48 | Photoinduced Formation of Reactive Oxygen Species from the Acid Form of 6-(Hydroxymethyl)pterin in Aqueous Solution. <i>Helvetica Chimica Acta</i> , 2006, 89, 1090-1104.  | 1.6 | 10        |
| 49 | DNA damage induced by bare and loaded microporous coordination polymers from their ground and electronic excited states. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 12462-12465.   | 2.8 | 10        |
| 50 | Photocatalytic Oxidation of Urea on Surface-Modified Bi <sub>2</sub> WO <sub>6</sub> with <i>trans</i> -4-Stilbenecarboxaldehyde. <i>Journal of Physical Chemistry C</i> , 2021, 125, 12682-12689.   | 3.1 | 10        |
| 51 | 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. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 199, 111600.                | 3.8 | 9         |
| 52 | Comment on "Binding of alkaloid harmalol to DNA: Photophysical and calorimetric approach". <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 136, 26-28.  | 3.8 | 8         |
| 53 | Photophysical properties of [(norharmane)Re(CO) <sub>3</sub> (L)] <sup>+</sup> complexes (L <sup>-</sup> = bpy, phen or dppz). Redox behavior of the excited states and their interaction with Calf Thymus DNA. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 169-176. | 3.9 | 8         |
| 54 | 1H NMR characterization of the intermediate formed upon UV-A excitation of biopterin, neopterin and 6-hydroxymethylpterin in O <sub>2</sub> -free aqueous solutions. <i>Chemical Physics Letters</i> , 2010, 484, 330-332.   | 2.6 | 7         |

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|----|--|-----|-----------|
| 55 | <i>N</i> -Methyl- $\hat{I}^2$ -carboline alkaloids: structure-dependent photosensitizing properties and localization in subcellular domains. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 6519-6530.                                    | 2.8 | 7         |
| 56 | In vitro Effect of Harmine Alkaloid and Its N-Methyl Derivatives Against <i>Toxoplasma gondii</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 716534.   | 3.5 | 7         |
| 57 | Characterization and reactivity of photodimers of dihydroneopterin and dihydrobiopterin. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 979.  | 2.9 | 6         |
| 58 | Unraveling Kinetic Effects during Photoelectrochemical Mineralization of Phenols. Rutile:Anatase TiO <sub>2</sub> Nanotube Photoanodes under Thin-Layer Conditions. <i>Journal of Physical Chemistry C</i> , 2021, 125, 610-617.                 | 3.1 | 6         |
| 59 | A Large Entropic Term Due to Water Rearrangement is Concomitant with the Photoproduction of Anionic Free-Base Porphyrin Triplet States in Aqueous Solutions. <i>Photochemistry and Photobiology</i> , 2007, 83, 503-510.                         | 2.5 | 4         |
| 60 | Photophysical and spectroscopic features of 3,4-dihydro- $\hat{I}^2$ -carbolines: a combined experimental and theoretical approach. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 20901-20913.  | 2.8 | 4         |
| 61 | Electronic spectroscopy of the $\hat{I}^2$ -carboline derivatives nitronorharmanes, nitroharmanes, nitroharmines and chloroharmines in homogeneous media and in solid matrix. <i>Arkivoc</i> , 2006, 2005, 295-310.                              | 0.5 | 4         |
| 62 | Photophysics and photochemistry of carminic acid and related natural pigments. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 9534-9542.   | 2.8 | 3         |
| 63 | Spectroscopic and quantum chemical characterization of the ground and lowest electronically excited singlet and triplet states of halo- and nitro-harmines in aqueous media. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 11039-11051. | 2.8 | 3         |
| 64 | A comprehensive analysis of direct and photosensitized attenuation of <i>Toxoplasma gondii</i> tachyzoites. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 177, 8-17.  | 3.8 | 2         |
| 65 | Photochemical behaviour of 6-methylpterin in Aqueous Solutions: Generation of Reactive Oxygen Species. <i>Photochemistry and Photobiology</i> , 2005, 81, 793-801.   | 2.5 | 2         |
| 66 | Photophysical properties of a $\hat{I}^2$ -Carboline Rhenium (I) complex. Solvent effects on excited states and their redox reactivity. <i>Journal of Photochemistry and Photobiology</i> , 2021, 8, 100078.                                     | 2.5 | 2         |
| 67 | Photochemical Behavior of 6-Methylpterin in Aqueous Solutions: Generation of Reactive Oxygen Species. <i>Photochemistry and Photobiology</i> , 2005, 81, 793-801.  | 2.5 | 1         |
| 68 | Fotoelectroquímica en sistemas nanoestructurados: una discusión desde sus límites naturales. <i>InfoANALÍTICA</i> , 0, , 52-77.  | 0.1 | 0         |