Moiss Canle

List of Publications by Year in Descending Order

108 papers	2,998 citations	25 h-index	52 g-index
115 ext. papers	3,285 ext. citations	5.1 avg, IF	5.11 L-index

#	Paper	IF	Citations
108	Intramolecular Amino-thiolysis Cyclization of Graphene Oxide Modified with Sulfur Dioxide: XPS and Solid-State NMR Studies. *Journal of Physical Chemistry C*, **2022**, 126, 1729-1741	3.8	0
107	An efficient green photo-Fenton system for the degradation of organic pollutants. Kinetics of propranolol removal from different water matrices. *Journal of Water Process Engineering*, **2022**, 46, 102514	6.7	0
106	Effect of ionizing radiation on human myeloperoxidase: Reaction with hydrated electrons. *Journal of Photochemistry and Photobiology B: Biology*, **2021**, 226, 112369	6.7	
105	First evidence of a photochemical process including an iron-aspartate complex and its use for paracetamol elimination from aqueous solution. *Journal of Photochemistry and Photobiology A: Chemistry*, **2021**, 409, 113132	4.7	0
104	Removal of paracetamol in the presence of iron(III) complexes of glutamic and lactic acid in aqueous solution under NUV irradiation. *Separation and Purification Technology*, **2021**, 261, 118195	8.3	2
103	Photocatalytic Degradation of Alachlor over Titania-Reduced Graphene Oxide Nanocomposite: Intrinsic Kinetic Model and Reaction Pathways. *Industrial & Engineering Chemistry Research*, **2021**, 60, 18907-18917	3.9	0
102	Degradation of 2-mercaptobenzothizaole in microbial electrolysis cells: Intermediates, toxicity, and microbial communities. *Science of the Total Environment*, **2020**, 733, 139155	10.2	9
101	Improved Photocatalyzed Degradation of Phenol, as a Model Pollutant, over Metal-Impregnated Nanosized TiO. *Nanomaterials*, **2020**, 10,	5.4	10
100	Enhanced Photocatalytic Degradation of the Imidazolinone Herbicide Imazapyr upon UV/Vis Irradiation in the Presence of CaMnO-TiO Hetero-Nanostructures: Degradation Pathways and Reaction Intermediates. *Nanomaterials*, **2020**, 10,	5.4	2
99	Photo-mechanism of phenolic pollutants in natural water: Effect of salts. *Separation and Purification Technology*, **2020**, 116868	8.3	3
98	Chemical and physical characterization of a natural clay and its use as photocatalyst for the degradation of the methabenzthiazuron herbicide in water. *Optik*, **2020**, 219, 165024	2.5	1
97	Face-Fusion of Icosahedral Boron Hydride Increases Affinity to □Cyclodextrin: closo,closo-[B H] as an Anion with Very Low Free Energy of Dehydration. *ChemPhysChem*, **2020**, 21, 971-976	3.2	7
96	Differential features of short-lived intermediates: Structure, properties and reactivity. *Advances in Physical Organic Chemistry*, **2020**, 99-118	0.3	
95	Photo-immobilization of proteins on carbons. *Journal of Photochemistry and Photobiology B: Biology* , **2020**, 202, 111675	6.7	1
94	Mechanisms of Solid□Gas Reactions: Reduction of Air Pollutants on Carbons. *Topics in Catalysis*, **2020**, 63, 817-832	2.3	1
93	Fe(III)-citrate enhanced sunlight-driven photocatalysis of aqueous Carbamazepine. *Journal of Photochemistry and Photobiology A: Chemistry*, **2019**, 378, 147-155	4.7	8
92	Evidence of non-photo-Fenton degradation of ibuprofen upon UVA irradiation in the presence of Fe(III)/malonate. *Journal of Photochemistry and Photobiology A: Chemistry*, **2019**, 382, 111976	4.7	6

91	Effect of mass of pristine carbon nanotubes on the photolysis of phenylalanine. *Journal of Physical Organic Chemistry*, **2019**, 32, e3849	2.1	1
90	Simulated sunlight photodegradation of 2-mercaptobenzothiazole by heterogeneous photo-Fenton using a natural clay powder. *Journal of Environmental Chemical Engineering*, **2018**, 6, 1783-1793	6.8	8
89	El Elogio del horizonte de Chillida, un encuentro entre ciencia y arte. *Hormigon Y Acero*, **2018**, 69, 77-82	1	
88	Predicted Gas-Phase and Liquid-Phase Acidities of Carborane Carboxylic and Dicarboxylic Acids. *ChemistrySelect*, **2018**, 3, 4344-4353	1.8	3
87	Titanium Dioxide Nanoparticle Photocatalysed Degradation of Ibuprofen and Naproxen in Water: Competing Hydroxyl Radical Attack and Oxidative Decarboxylation by Semiconductor Holes. *ChemistrySelect*, **2018**, 3, 10915-10924	1.8	16
86	Degradation of aqueous ketoprofen by heterogeneous photocatalysis using Bi2S3/TiO2Montmorillonite nanocomposites under simulated solar irradiation. *Applied Clay Science*, **2018**, 166, 27-37	5.2	50
85	Propanolysis of arenesulfonyl chlorides: Nucleophilic substitution at sulfonyl sulfur. *Journal of Physical Organic Chemistry*, **2018**, 31, e3753	2.1	2
84	Solvent network at the transition state in the solvolysis of hindered sulfonyl compounds. *Journal of Physical Organic Chemistry*, **2017**, 30, e3588	2.1	5
83	Heterogeneous photo-Fenton process for degradation of azo dye: Methyl orange using a local cheap material as a photocatalyst under solar light irradiation. *Optik*, **2017**, 137, 6-16	2.5	17
82	Photocatalytic activity of mont-La (6%)-Cu0.6Cd0.4S catalyst for phenol degradation under near UV visible light irradiation. *Applied Catalysis B: Environmental*, **2017**, 211, 114-125	21.8	37
81	Effect of the calcination temperature on the photocatalytic efficiency of acidic sol-gel synthesized TiO nanoparticles in the degradation of alprazolam. *Photochemical and Photobiological Sciences*, **2017**, 16, 935-945	4.2	12
80	Photocatalyzed degradation/abatement of endocrine disruptors. *Current Opinion in Green and Sustainable Chemistry*, **2017**, 6, 101-138	7.9	28
79	Photolytic insertion of albumin on activated carbon modified with ozone. *Journal of Photochemistry and Photobiology B: Biology*, **2017**, 174, 261-268	6.7	5
78	Diclofenac degradation using mont-La (6%)-Cu0.6Cd0.4S as photocatalyst under NUVVis irradiation. Operational parameters, kinetics and mechanism. *Journal of Environmental Chemical Engineering*, **2017**, 5, 5636-5644	6.8	18
77	Reactive Site Model of the Reduction of SO2 on Graphite. *Journal of Physical Chemistry C*, **2017**, 121, 14649-14657	3.8	12
76	Solid-phase extraction of organic compounds: A critical review (Part I). *TrAC - Trends in Analytical Chemistry*, **2016**, 80, 641-654	14.6	249
75	Solid-phase extraction of organic compounds: A critical review. part ii. *TrAC - Trends in Analytical Chemistry*, **2016**, 80, 655-667	14.6	160
74	Interconversion and selective reactivity of sulfur dioxide reduction intermediates inserted on graphene oxide. *Journal of Physical Organic Chemistry*, **2016**, 29, 773-780	2.1	4

73	Isotope Effects in the Solvolysis of Sterically Hindered Arenesulfonyl Chlorides. *International Journal of Chemical Kinetics*, **2015**, 47, 744-750	1.4	6
72	Photolysis of phenylalanine in the presence of oxidized carbon nanotubes. *Langmuir*, **2015**, 31, 164-70	4	6
71	Nonsymmetrical 3,4-dithienylmaleimides by cross-coupling reactions with indium organometallics: synthesis and photochemical studies. *Chemistry - A European Journal*, **2014**, 20, 14524-30	4.8	18
70	Acidities of closo-1-COOH-1,7-C2B10H11 and amino acids based on icosahedral carbaboranes. *Journal of Physical Chemistry A*, **2014**, 118, 2788-93	2.8	10
69	Selective insertion of sulfur dioxide reduction intermediates on graphene oxide. *Langmuir*, **2014**, 30, 4301-9	4	17
68	Mechanism of degradation of ketoprofen by heterogeneous photocatalysis in aqueous solution. *Applied Catalysis B: Environmental*, **2013**, 142-143, 633-646	21.8	61
67	Environmental Applications of Excitation-Emission Spectrofluorimetry: An In-Depth Review I. *Applied Spectroscopy Reviews*, **2013**, 48, 1-49	4.5	54
66	Photochemical and photocatalytic degradation of trans-resveratrol. *Photochemical and Photobiological Sciences*, **2013**, 12, 638-44	4.2	40
65	Environmental Applications of Excitation-Emission Spectrofluorimetry: An In-Depth Review II. *Applied Spectroscopy Reviews*, **2013**, 48, 77-141	4.5	53
64	Combined theoretical and experimental study of the photophysics of asulam. *Journal of Physical Chemistry A*, **2013**, 117, 2125-37	2.8	11
63	Acid-catalysed hydrolysis of trityl derivatives in strongly acidic aqueous media. *Journal of Physical Organic Chemistry*, **2013**, 26, 1016-1022	2.1	2
62	Unravelling the mechanism of intracellular oxidation of thiols by (N-Cl)-Taurine. *Journal of Physical Organic Chemistry*, **2013**, 26, 1098-1104	2.1	3
61	Photochemistry for pollution abatement. *Pure and Applied Chemistry*, **2013**, 85, 1437-1449	2.1	14
60	(Re)Greening photochemistry: using light for degrading persistent organic pollutants. *Reviews in Environmental Science and Biotechnology*, **2012**, 11, 213-221	13.9	12
59	Aqueous degradation of diclofenac by heterogeneous photocatalysis using nanostructured materials. *Applied Catalysis B: Environmental*, **2011**, 107, 110-118	21.8	180
58	Kinetics and mechanism of aqueous degradation of carbamazepine by heterogeneous photocatalysis using nanocrystalline TiO2, ZnO and multi-walled carbon nanotubes□natase composites. *Applied Catalysis B: Environmental*, **2011**, 102, 563-571	21.8	189
57	1-(3-Chloro-4-fluoro-phen-yl)-5-(2-diazo-acet-yl)-4-phenyl-pyrrolidin-2-one. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, o2103		1
56	A theoretical analysis of the acid□base equilibria of hydroxylamine in aqueous solution. *Chemical Physics Letters*, **2010**, 490, 159-164	2.5	13

55	Energy landscapes in diexo and exo/endo isomers derived from Li2B12H12. *Chemical Physics Letters*, **2010**, 497, 172-177	2.5	6
54	Diethyl 1-(4-methyl-phen-yl)-3-phenyl-5-oxopyrrolidine-2,2-dicarboxyl-ate. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, o2104-5		1
53	A theoretical study on the mechanism of the base-promoted decomposition of N-chloro,N-methylethanolamine. *Organic and Biomolecular Chemistry*, **2009**, 7, 1807-14	3.9	5
52	Reactivity of the Thermally Stable Intermediates of the Reduction of SO2 on Carbons and Mechanisms of Insertion of Organic Moieties in the Carbon Matrix. *Journal of Physical Chemistry C*, **2008**, 112, 581-589	3.8	18
51	Myeloperoxidase-catalyzed chlorination: the quest for the active species. *Journal of Inorganic Biochemistry*, **2008**, 102, 1300-11	4.2	21
50	Acid-catalysed hydrolysis of methoxy-substituted trityl trifluoroethyl ethers: a kinetic and computational investigation of leaving group effects. *Journal of Physical Organic Chemistry*, **2008**, 21, 614-621	2.1	9
49	The use of XPS spectra for the study of reaction mechanisms: the atom inventory method. *Journal of Physical Organic Chemistry*, **2008**, 21, 1035-1042	2.1	18
48	Myeloperoxidase-catalyzed taurine chlorination: initial versus equilibrium rate. *Archives of Biochemistry and Biophysics*, **2007**, 466, 221-33	4.1	25
47	A DFT study on the microscopic ionization of cysteine in water. *Chemical Physics Letters*, **2006**, 417, 28-33	2.5	17
46	Extended planarity and □delocalization in triazine-based derivatives. *Chemical Physics Letters*, **2006**, 426, 290-295	2.5	13
45	Density functional study of the Hoffmann elimination of (N-Cl),N-methylethanolamine in gas phase and in aqueous solution. *Chemical Physics Letters*, **2006**, 429, 425-429	2.5	4
44	On the mechanism of TiO2-photocatalyzed degradation of aniline derivatives. *Journal of Photochemistry and Photobiology A: Chemistry*, **2005**, 175, 192-200	4.7	105
43	On the low-lying excited states of sym-triazine-based herbicides. *ChemPhysChem*, **2005**, 6, 306-14	3.2	25
42	Mechanisms of direct and TiO2-photocatalysed UV degradation of phenylurea herbicides. *ChemPhysChem*, **2005**, 6, 2064-74	3.2	65
41	Developments in the mechanism of photodegradation of triazine-based pesticides. *Journal of Physical Organic Chemistry*, **2005**, 18, 148-155	2.1	17
40	Diethyl 1-(4-fluorophenyl)-3-(2-furyl)-5-oxopyrrolidine-2,2-dicarboxylate and diethyl 1-(3,4-dichlorophenyl)-3-(2-furyl)-5-oxopyrrolidine-2,2-dicarboxylate. *Acta Crystallographica Section C: Crystal Structure Communications*, **2004**, 60, o163-5		2
39	Base Strengths of Substituted Tritylamines, N-Alkylanilines, and Tribenzylamine in Aqueous Solution and the Gas Phase: Steric Effects Upon Solvation and Resonance Interactions. *European Journal of Organic Chemistry*, **2004**, 2004, 5031-5039	3.2	6
38	14-n-Butyldibenz[a,h]acridine. *Acta Crystallographica Section E: Structure Reports Online*, **2003**, 59, o514-o516		1

37	2-(2-Furylmethyl)-1-methyl-3-oxocyclohexanecarboxylic acid. *Acta Crystallographica Section E: Structure Reports Online*, **2003**, 59, o1050-o1052		
36	Kinetic and mechanistic aspects of the direct photodegradation of atrazine, atraton, ametryn and 2-hydroxyatrazine by 254 nm light in aqueous solution. *Journal of Physical Organic Chemistry*, **2003**, 16, 498-503	2.1	28
35	On the kinetics and energetics of one-electron oxidation of 1,3,5-triazines. *Chemical Communications*, **2003**, 112-3	5.8	28
34	Understanding the mechanism of base-assisted decomposition of (N-halo),N-alkylalcoholamines. *Organic and Biomolecular Chemistry*, **2003**, 1, 4323-8	3.9	4
33	Reaction pathways and mechanisms of photodegradation of pesticides. *Journal of Photochemistry and Photobiology B: Biology*, **2002**, 67, 71-108	6.7	455
32	A joint theoretical and kinetic investigation on the fragmentation of (N-halo)-2-amino cycloalkanecarboxylates. *Chemical Physics*, **2002**, 280, 1-14	2.3	6
31	Microalgal bioassays as a test of pesticide photodegradation efficiency in water. *Bulletin of Environmental Contamination and Toxicology*, **2001**, 67, 233-8	2.7	4
30	First stages of photodegradation of the urea herbicides Fenuron, Monuron and Diuron. *Journal of Molecular Structure*, **2001**, 565-566, 133-139	3.4	24
29	Photo- and radiation-chemical formation and electrophilic and electron transfer reactivities of enolether radical cations in aqueous solution. *Chemistry - A European Journal*, **2001**, 7, 4640-50	4.8	19
28	A B3LYP/6-31G** study on the chlorination of ammonia by hypochlorous acid. *Chemical Physics Letters*, **2001**, 342, 405-410	2.5	24
27	Intracellular oxidation of dipeptides. Very fast halogenation of the amino-terminal residue. *Perkin Transactions II RSC*, **2001**, 608-612		11
26	N-Tritylhydroxylamines: preparations, structures, base strengths, and reactions with nitrous acid and perchloric acid. *Perkin Transactions II RSC*, **2001**, 1742-1747		8
25	Substituent effects upon rates of deamination and base strengths of substituted N-tritylamines. *Perkin Transactions II RSC*, **2001**, 1748-1752		9
24	Intracellular oxidation of dipeptides. Base-promoted elimination from N-halodipeptides to 2-[N-alkyl-N-(2-N-alkylimino-2-alkyl-ethanoyl)amino]-2,2-dialkylethanoic acids. *Journal of Organic Chemistry*, **2001**, 66, 5692-700	4.2	2
23	Dissolved and particulate organic nitrogen in shelf waters of northern Spain during spring. *Marine Ecology - Progress Series*, **2001**, 214, 43-54	2.6	5
22	First Steps in the Oxidation of Sulfur-Containing Amino Acids by Hypohalogenation: Very Fast Generation of Intermediate Sulfenyl Halides and Halosulfonium Cations. *Tetrahedron*, **2000**, 56, 1103-1109	2.4	97
21	Preparations, X-ray crystal structure determinations, and base strength measurements of substituted tritylamines. *Perkin Transactions II RSC*, **2000**, 85-92		15
20	Photo- and Radiation-Chemical Generation and Thermodynamic Properties of the Aminium and Aminyl Radicals Derived from N-Phenylglycine and (N-Chloro,N-phenyl)glycine in Aqueous Solution: Evidence for a New Photoionization Mechanism for Aromatic Amines. *Chemistry - A European Journal*, **1999**, 5, 1192-1201	4.8	25

19	Solvent isotope effects in the oxidation of dipeptides by aqueous chlorine. *Canadian Journal of Chemistry*, **1999**, 77, 997-1004	0.9	4
18	Aqueous chemistry of N-halo-compounds. *Chemical Society Reviews*, **1998**, 27, 453	58.5	113
17	Oxidation of aliphatic amines by aqueous chlorine. *Tetrahedron*, **1998**, 54, 521-530	2.4	98
16	Evidence for an intramolecular elimination mechanism in the aqueous decomposition of (N-Cl)-alcoholamines. *Tetrahedron*, **1997**, 53, 2565-2572	2.4	8
15	Seasonal Variations of Nutrients, Seston and Phytoplankton, and Upwelling Intensity off La Coruña (NW Spain). *Estuarine, Coastal and Shelf Science*, **1997**, 44, 767-778	2.9	53
14	Evidence for the intermediacy of N-(2-imino, 1-oxo-propyl)-glycine in the base-catalyzed decomposition of N-halo-dipeptides. *Tetrahedron*, **1997**, 53, 12615-12620	2.4	5
13	Unimolecular Decomposition of the Anionic Form of N-Chloro-α-glycine. A Theoretical Study. *The Journal of Physical Chemistry*, **1996**, 100, 3561-3568		14
12	Rate and equilibrium constants for oxazolidine and thiazolidine ring-opening reactions. *Pure and Applied Chemistry*, **1996**, 68, 813-818	2.1	7
11	Theoretical study of substituent effects in the unimolecular decomposition of N-chloro-α-amino acid anions. Analysis of transition structure and molecular reaction mechanism. *Journal of Physical Organic Chemistry*, **1996**, 9, 371-380	2.1	9
10	Concerted base-promoted elimination in the decomposition of N-halo amino acids. *Journal of Physical Organic Chemistry*, **1996**, 9, 552-560	2.1	17
9	Acid-base equilibria and decomposition of secondary (N-Cl)-α-amino acids.. *Tetrahedron*, **1994**, 50, 10509-10520	2.4	8
8	Alkoxide-promoted decomposition of N-halo-α-amino acids in aqueous medium.. *Tetrahedron*, **1994**, 50, 2265-2276	2.4	5
7	General base catalysis in the decomposition of N-Cl-Valine in aqueous solution. *International Journal of Chemical Kinetics*, **1994**, 26, 1041-1053	1.4	6
6	N Reactivity vs. O reactivity in aqueous chlorination. *International Journal of Chemical Kinetics*, **1994**, 26, 1135-1141	1.4	20
5	Concerted Grob Fragmentation in N-Halo-.alpha.-amino Acid Decomposition. *Journal of Organic Chemistry*, **1994**, 59, 4659-4664	4.2	27
4	Decomposition of N-chloro-α-amino acids in alkaline medium. *Journal of the Chemical Society Perkin Transactions II*, **1993**, 181-185		14
3	Nitrenium ions in N-chloro-α-amino acids decomposition?. *International Journal of Chemical Kinetics*, **1993**, 25, 1-8	1.4	13
2	An operational approach to N-Cl-α-amino acids decomposition. *International Journal of Chemical Kinetics*, **1993**, 25, 331-339	1.4	23

1 □amino acids chlorination in aqueous media. *Tetrahedron*, **1993**, 49, 275-284 2.4 64