JosÃ© G Santos

List of Publications by Year
in descending order

94 papers	2,387 citations	136950 32 h-index	254184 43 g-index
94 all docs	94 docs citations	94 times ranked	480 citing authors

#	Article	IF	Citations
1	Changes in Protonation Sites of 3-Styryl Derivatives of 7-(dialkylamino)-aza-coumarin Dyes Induced by Cucurbit[7]uril. Frontiers in Chemistry, 2022, 10, 870137.	3.6	6
2	Nucleofugality hierarchy, in the aminolysis reaction of 4-cyanophenyl 4-nitrophenyl carbonate and thionocarbonate. Experimental and theoretical study. New Journal of Chemistry, 2021, 45, 11495-11505.	2.8	2
3	Supramolecular Control of Reactivity toward Hydrolysis of 7-Diethylaminocoumarin Schiff Bases by Cucurbit[7]uril Encapsulation. ACS Omega, 2021, 6, 10333-10342.	3.5	12
4	Cucurbit[7]uril as a Supramolecular Catalyst in Base-Catalyzed Reactions. Experimental and Theoretical Studies on Carbonate and Thiocarbonate Hydrolysis Reactions. Journal of Organic Chemistry, 2021, 86, 2023-2027.	3.2	9
5	An efficient and eco-friendly method for the thiol-Michael addition in aqueous solutions using amino acid ionic liquids (AAILs) as organocatalysts. Pure and Applied Chemistry, 2020, 92, 97-106.	1.9	1
6	The effect of imidazolium salts with amino acids as counterions on the reactivity of 4-nitrophenyl acetate: A kinetic study. Journal of Molecular Liquids, 2020, 310, 113206.	4.9	5
7	Cucurbit[7]uril limits the binding of coumarin bearing alkyl-acetoacetate with mercury and stimulates the desulphurisation reaction of its sulphur analog. Supramolecular Chemistry, 2020, 32, 605-613.	1.2	3
8	Reactivity differences of Oâ€aryl Oâ€(4â€nitrophenyl) thionocarbonates versus their homolog carbonates: Micellar catalysis in hydrolysis reactions. Journal of Physical Organic Chemistry, 2019, 32, e3845.	1.9	3
9	The effect of the electrophilic group on the hierarchy of nucleofuges in the aminolysis reactions of thiol- and dithiocarbonates with secondary alicyclic amines: A kinetic and theoretical study. New Journal of Chemistry, 2019, 43, 6372-6379.	2.8	3
10	The reactions of Oâ€(4â€nitrophenyl) Sâ€aryl dithiocarbonates with anilines: Effects on the relative nucleofugality. Journal of Physical Organic Chemistry, 2019, 32, e3818.	1.9	3
11	Experimental and theoretical studies on the nucleofugality ratio in the aminolysis reactions of O-(4-cyanophenyl) O-(3-nitrophenyl) thionocarbonate with amines in aqueous ethanol. New Journal of Chemistry, 2017, 41, 9954-9962.	2.8	8
12	Reaction Mechanism in Ionic Liquids: Kinetics and Mechanism of the Aminolysis of 4-Nitrophenyl Acetate. International Journal of Chemical Kinetics, 2016, 48, 337-343.	1.6	11
13	Reaction mechanisms in ionic liquids: the kinetics and mechanism of the reaction of O,O-diethyl (2,4-dinitrophenyl) phosphate triester with secondary alicyclic amines. Organic and Biomolecular Chemistry, 2016, 14, 1421-1427.	2.8	19
14	Kinetics and mechanism of the aminolysis of bis(4â€nitrophenyl) carbonate and Oâ€(4â€nitropheny) Sâ€(4â€nitrophenyl) thio and dithiocarbonate. Journal of Physical Organic Chemistry, 2014, 27, 265-268.	1.9	17
15	Toward a pK_a Scale of N-base Amines in Ionic Liquids. Journal of Physical Chemistry B, 2014, 118, 4412-4418.	2.6	30
16	Kinetic and theoretical study on nucleofugality in the phenolysis of 3-nitrophenyl and 4-nitrophenyl 4-cyanophenyl thionocarbonates. Chemical Physics Letters, 2013, 572, 130-135.	2.6	8
17	Influence of the ionic liquid on the rate and the mechanism of reaction of p-nitrophenyl acetate with secondary alicyclic amines. New Journal of Chemistry, 2013, 37, 3281.	2.8	19
18	Mechanisms of Degradation of Paraoxon in Different Ionic Liquids. Journal of Organic Chemistry, 2013, 78, 9670-9676.	3.2	74

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19	Predicting the reaction mechanism of nucleophilic substitutions at carbonyl and thiocarbonyl centres of esters and thioesters. Journal of Physical Organic Chemistry, 2012, 25, 1359-1364.	1.9	3
20	Kinetic study of solvent effects on the aminolysis of Oâ€ethyl Sâ€aryl dithiocarbonates. Journal of Physical Organic Chemistry, 2012, 25, 989-993.	1.9	8
21	The nucleofuge in the pyridinolysis of Oâ€(4â€nitrophenyl) Sâ€aryl thio and dithiocarbonates. Journal of Physical Organic Chemistry, 2012, 25, 994-997.	1.9	5
22	Concerted aminolysis of diaryl carbonates: Kinetic sensitivity on the basicity of the nucleophile, nonleaving group, and nucleofuge. International Journal of Chemical Kinetics, 2012, 44, 604-611.	1.6	6
23	Reactions of O-aryl S-aryl dithiocarbonates with secondary alicyclic amines in aqueous ethanol. Kinetics and mechanism. Journal of Physical Organic Chemistry, 2011, 24, 466-473.	1.9	9
24	Kinetics and mechanism of the anilinolysis of aryl 4â€nitrophenyl thionocarbonates in aqueous ethanol. Journal of Physical Organic Chemistry, 2011, 24, 603-610.	1.9	8
25	Anilinolysis of reactive aryl 2,4â€dinitrophenyl carbonates: Kinetics and mechanism. International Journal of Chemical Kinetics, 2011, 43, 191-197.	1.6	1
26	Phenolysis and aminolysis of 4â€nitrophenyl and 2,4â€dinitrophenyl Sâ€methyl thiocarbonates in aqueous ethanol. International Journal of Chemical Kinetics, 2011, 43, 353-358.	1.6	8
27	Reactions of aryl acetates with secondary alicyclic amines in ethanol/water mixtures: Effect of the solvent composition on the kinetics and mechanism. International Journal of Chemical Kinetics, 2011, 43, 687-693.	1.6	13
28	Nucleophilic substitution reactions of diethyl 4â€nitrophenyl phosphate triester: Kinetics and mechanism. International Journal of Chemical Kinetics, 2011, 43, 708-714.	1.6	48
29	Kinetics and mechanism of the reactions of Oâ€aryl Sâ€(4â€nitrophenyl) dithiocarbonates with anilines in aqueous ethanol. Journal of Physical Organic Chemistry, 2010, 23, 176-180.	1.9	9
30	Reactivity of benzohydrazide derivatives towards acetylation reaction. Experimental and theoretical studies. Chemical Physics Letters, 2010, 488, 86-89.	2.6	14
31	Mechanistic study on the substitution reactions of Oâ€ethyl Sâ€aryl dithiocarbonates with quinuclidines. Journal of Physical Organic Chemistry, 2009, 22, 443-448.	1.9	10
32	Phenolysis of diaryl thiolcarbonates and thionocarbonates. Journal of Physical Organic Chemistry, 2009, 22, 455-459.	1.9	8
33	Reactions of Oâ€aryl Sâ€aryl dithiocarbonates with pyridines in aqueous ethanol: kinetics and mechanism. Journal of Physical Organic Chemistry, 2009, 22, 1003-1008.	1.9	10
34	Kinetics and mechanism of the reactions of aryl chlorodithioformates with pyridines and secondary alicyclic amines. Journal of Physical Organic Chemistry, 2009, 22, 1030-1037.	1.9	9
35	Concerted Pyridinolysis of Aryl 2,4,6-Trinitrophenyl Carbonates. Journal of Organic Chemistry, 2009, 74, 6374-6377.	3.2	56
36	Experimental and Theoretical Studies on the Nucleofugality Patterns in the Aminolysis and Phenolysis of S-Aryl O-Aryl Thiocarbonates. Journal of Organic Chemistry, 2009, 74, 9173-9179.	3.2	69

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37	Reaction of polyâ€<scp>L</scp>â€lysine with aryl acetates and aryl methyl carbonates. A mechanistic study. Journal of Physical Organic Chemistry, 2008, 21, 62-67.	1.9	6
38	Reactions of aryl chlorothionoformates with quinuclidines. A kinetic study. Journal of Physical Organic Chemistry, 2008, 21, 102-107.	1.9	20
39	Aminolysis and pyridinolysis of Oâ€aryl Sâ€(4â€nitrophenyl) thiocarbonates in aqueous ethanol. Kinetics and mechanism. Journal of Physical Organic Chemistry, 2008, 21, 271-278.	1.9	19
40	Kinetics and mechanism of the pyridinolysis of diaryl carbonates. Journal of Physical Organic Chemistry, 2008, 21, 816-822.	1.9	17
41	Kinetics and mechanism of the aminolysis of diaryl carbonates. Arkivoc, 2008, 2008, 151-160.	0.5	8
42	Effect of substitution of oxygen by sulfur in the nonleaving group of a carbonate: kinetics of the phenolysis and benzenethiolysis ofS-methyl aryl thiocarbonates. Journal of Physical Organic Chemistry, 2007, 20, 533-538.	1.9	7
43	Kinetics and mechanism of the reactions of polyallylamine with aryl acetates and aryl methyl carbonates. Journal of Physical Organic Chemistry, 2006, 19, 129-135.	1.9	18
44	Kinetic and mechanistic study of the reactions of aryl chloroformates with quinuclidines. Journal of Physical Organic Chemistry, 2006, 19, 683-688.	1.9	14
45	Experimental and theoretical study on the substitution reactions of aryl 2,4-dinitrophenyl carbonates with quinuclidines. Tetrahedron, 2006, 62, 2555-2562.	1.9	31
46	Kinetics and mechanisms of the reactions of S-methyl chlorothioformate with pyridines and secondary alicyclic amines. Tetrahedron, 2006, 62, 4863-4869.	1.9	24
47	Relationships between the Electrophilicity Index and Experimental Rate Coefficients for the Aminolysis of Thiolcarbonates and Dithiocarbonates. Journal of Organic Chemistry, 2005, 70, 1754-1760.	3.2	44
48	Kinetics and Mechanism of the Aminolysis of O-Aryl S-Methyl Thiocarbonates. Journal of Organic Chemistry, 2005, 70, 2679-2685.	3.2	50
49	Kinetics and Mechanism of the Pyridinolysis ofS-2,4-Dinitrophenyl 4-Substituted Thiobenzoates. Journal of Organic Chemistry, 2005, 70, 3530-3536.	3.2	44
50	Kinetics and Mechanism of the Anilinolysis of Aryl 4-Nitrophenyl Carbonates in Aqueous Ethanol. Journal of Organic Chemistry, 2005, 70, 8088-8092.	3.2	60
51	Relationship between nucleophilicity/electrophilicity indices and reaction mechanisms for the nucleophilic substitution reactions of carbonyl compounds. Journal of Physical Organic Chemistry, 2004, 17, 273-281.	1.9	32
52	Kinetics and Mechanism of the Pyridinolysis of 4-Nitrophenyl and 2,4-DinitrophenylS-Methyl Thiocarbonates. Journal of Organic Chemistry, 2004, 69, 6711-6714.	3.2	24
53	Kinetics and Mechanism of the Pyridinolysis ofS-4-Nitrophenyl 4-Substituted Thiobenzoates in Aqueous Ethanol. Journal of Organic Chemistry, 2004, 69, 5399-5404.	3.2	38
54	Kinetics and Mechanisms of the Pyridinolysis of Phenyl and 4-Nitrophenyl Chlorothionoformates. Formation and Hydrolysis of 1-(Aryloxythiocarbonyl)pyridinium Cations. Journal of Organic Chemistry, 2004, 69, 4802-4807.	3.2	28

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55	Kinetic Study of the Aminolysis and Pyridinolysis of O-Phenyl and O-Ethyl O-(2,4-Dinitrophenyl) Thiocarbonates. A Remarkable Leaving Group Effect. Journal of Organic Chemistry, 2004, 69, 2411-2416.	3.2	39
56	Kinetic Investigation of the Reactions ofS-4-Nitrophenyl 4-Substituted Thiobenzoates with Secondary Alicyclic Amines in Aqueous Ethanol. Journal of Organic Chemistry, 2003, 68, 8157-8161.	3.2	41
57	Kinetics and Mechanism of the Benzenethiolysis ofO-EthylS-(2,4-Dinitrophenyl) andO-EthylS-(2,4,6-Trinitrophenyl) Dithiocarbonates andO-MethylO-(2,4-Dinitrophenyl) Thiocarbonate. Journal of Organic Chemistry, 2003, 68, 9034-9039.	3.2	8
58	Kinetic Study of the Phenolysis ofO-Methyl andO-PhenylO-2,4-Dinitrophenyl Thiocarbonates andO-Ethyl 2,4-Dinitrophenyl Dithiocarbonate. Journal of Organic Chemistry, 2003, 68, 6192-6196.	3.2	8
59	Kinetics and Mechanism of the Benzenethiolysis of 2,4-Dinitrophenyl and 2,4,6-Trinitrophenyl Methyl Carbonates andS-(2,4-Dinitrophenyl) andS-(2,4,6-Trinitrophenyl) Ethyl Thiolcarbonates. Journal of Organic Chemistry, 2003, 68, 3640-3645.	3.2	10
60	Kinetics and Mechanism of the Aminolysis of 4-Methylphenyl and 4-Chlorophenyl 4-Nitrophenyl Carbonates in Aqueous Ethanol. Journal of Organic Chemistry, 2003, 68, 3608-3613.	3.2	40
61	Kinetics and Mechanism of the Aminolysis of 4-Methylphenyl and 4-Chlorophenyl 2,4-Dinitrophenyl Carbonates in Aqueous Ethanol. Journal of Organic Chemistry, 2003, 68, 5930-5935.	3.2	23
62	Kinetics and Mechanism of the Phenolysis of Asymmetric Diaryl Carbonates. Journal of Organic Chemistry, 2002, 67, 4494-4497.	3.2	34
63	Kinetic and Mechanistic Investigation of the Aminolysis of 3-Methoxyphenyl 3-Nitrophenyl Thionocarbonate, 3-Chlorophenyl 3-Nitrophenyl Thionocarbonate, and Bis(3-nitrophenyl) Thionocarbonate. Journal of Organic Chemistry, 2002, 67, 4309-4315.	3.2	23
64	Kinetics and Mechanism of the Aminolysis of Methyl 4-Nitrophenyl, Methyl 2,4-Dinitrophenyl, and Phenyl 2,4-Dinitrophenyl Carbonates. Journal of Organic Chemistry, 2002, 67, 8911-8916.	3.2	88
65	Kinetics and mechanism of the aminolysis of 4-nitrophenyl and 2,4-dinitrophenyl 4-methylphenyl carbonates in aqueous ethanol. International Journal of Chemical Kinetics, 2002, 34, 309-315.	1.6	34
66	Concerted Mechanisms of the Reactions of Methyl Aryl Carbonates with Substituted Phenoxide Ions. Journal of Organic Chemistry, 2001, 66, 3129-3132.	3.2	32
67	Kinetic Study of the Phenolysis of Bis(4-nitrophenyl) Carbonate, Bis(4-nitrophenyl) Thionocarbonate, and Methyl 4-Nitrophenyl Thionocarbonate. Journal of Organic Chemistry, 2001, 66, 6571-6575.	3.2	49
68	Kinetics and Mechanisms of the Reactions of 3-Methoxyphenyl, 3-Chlorophenyl, and 4-Cyanophenyl 4-Nitrophenyl Thionocarbonates with Alicyclic Amines. Journal of Organic Chemistry, 2001, 66, 6130-6135.	3.2	33
69	Kinetic investigation of the phenolysis of phenyl 4-nitrophenyl and phenyl 2,4-dinitrophenyl carbonates. Perkin Transactions II RSC, 2001, , 2351-2354.	1.1	10
70	Concerted Mechanisms of the Reactions of 2,4,6-Trinitrophenyl Methyl Carbonate and 2,4,6-Trinitrophenyl Acetate with Secondary Alicyclic Amines. Journal of Organic Chemistry, 2001, 66, 6000-6003.	3.2	41
71	Structure-reactivity correlations in the aminolysis of aryl chloroformates. International Journal of Chemical Kinetics, 2001, 33, 281-287.	1.6	23
72	Kinetics and Mechanisms of the Reactions of 4-Nitro- and 3-Nitrophenyl 4-Methylphenyl Thionocarbonates with Alicyclic Amines and Pyridines. Journal of Organic Chemistry, 2000, 65, 9047-9053.	3.2	38

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73	Kinetics and Mechanism of the Reactions of Anilines with EthylS-Aryl Thiocarbonates. Journal of Organic Chemistry, 1999, 64, 1953-1957.	3.2	53
74	Concerted Mechanisms of the Reactions of EthylS-Aryl Thiocarbonates with Substituted Phenoxide Ions. Journal of Organic Chemistry, 1999, 64, 2310-2313.	3.2	20
75	Kinetics and Mechanism of the Reactions of Quinuclidines with EthylS-Aryl Thiolcarbonates. Journal of Organic Chemistry, 1999, 64, 8298-8301.	3.2	43
76	Kinetics and Mechanism of the Aminolysis of Phenyl and Methyl 4-Nitrophenyl Thionocarbonates. Journal of Organic Chemistry, 1999, 64, 5401-5407.	3.2	27
77	Structureâˆ'Reactivity Correlations in the Aminolysis of EthylS-Aryl Thiolcarbonates. Journal of Organic Chemistry, 1999, 64, 6342-6346.	3.2	18
78	Kinetics and Mechanism of the Aminolysis of Phenyl and 4-Nitrophenyl Chloroformates in Aqueous Solution. Journal of Organic Chemistry, 1999, 64, 4817-4820.	3.2	36
79	Concerted mechanism of the reactions of 2,4-dinitrophenyl 4-cyanobenzoate with secondary alicyclic amines in aqueous ethanol. International Journal of Chemical Kinetics, 1998, 30, 267-272.	1.6	15
80	Concerted Mechanisms of the Reactions of Phenyl and 4-Nitrophenyl Chlorothionoformates with Substituted Phenoxide Ions. Journal of Organic Chemistry, 1998, 63, 6820-6823.	3.2	24
81	Kinetics and Mechanism of the Pyridinolysis of Alkyl Aryl Thionocarbonates. Journal of Organic Chemistry, 1997, 62, 2512-2517.	3.2	41
82	Kinetics and Mechanism of the Aminolysis of Phenyl and 4-Nitrophenyl Chlorothionoformates. Journal of Organic Chemistry, 1997, 62, 4395-4397.	3.2	20
83	Structureâˆ'Reactivity Correlations in the Aminolysis and Pyridinolysis of Bis(phenyl) and Bis(4-nitrophenyl) Thionocarbonates. Journal of Organic Chemistry, 1997, 62, 6568-6574.	3.2	44
84	Kinetics and Mechanism of the Pyridinolysis of 2,4-Dinitrophenyl and 2,4,6-Trinitrophenyl O-Ethyl Dithiocarbonates. Journal of Organic Chemistry, 1997, 62, 126-129.	3.2	59
85	Kinetics and Mechanism of the Pyridinolysis ofO-EthylS-Aryl Thiocarbonates in Aqueous Solution. Journal of Organic Chemistry, 1996, 61, 5982-5985.	3.2	46
86	Kinetics and mechanism of the aminolysis ofO-ethylS-phenyl dithiocarbonate in aqueous ethanol. International Journal of Chemical Kinetics, 1995, 27, 49-57.	1.6	9
87	Stepwise mechanisms of the aminolyses of 4-Nitrophenyl and 2,4-Dinitrophenyl O-Ethyl Dithiocarbonates in aqueous Ethanol. International Journal of Chemical Kinetics, 1995, 27, 987-995.	1.6	12
88	Concerted mechanism of the aminolysis of 2,4,6-trinitrophenyl o-ethyl dithiocarbonate in aqueous ethanol. International Journal of Chemical Kinetics, 1994, 26, 571-575.	1.6	33
89	Concerted mechanism of the reactions of secondary alicyclic amines with O-ethyl S-(2,4,6-trinitrophenyl) thiocarbonate. Journal of Organic Chemistry, 1994, 59, 30-32.	3.2	60
90	Structure-reactivity relationships in the aminolysis of O-ethyl S-aryl dithiocarbonates in aqueous solution. Journal of Organic Chemistry, 1993, 58, 5400-5404.	3.2	33

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91	Kinetics and mechanism of the aminolysis of 2,4-dinitrophenyl and 2,4,6-trinitrophenyl O-ethyl dithiocarbonates. Journal of Organic Chemistry, 1993, 58, 459-463.	3.2	53
92	Kinetics and mechanism of the pyridinolysis of 2,4,6-trinitrophenyl acetate and 2,4,6-trinitrophenyl methyl carbonate. Journal of Organic Chemistry, 1992, 57, 2691-2694.	3.2	41
93	Concerted mechanism of the aminolysis of O-ethyl S-(2,4-dinitrophenyl) thiocarbonate. Journal of Organic Chemistry, 1991, 56, 4819-4821.	3.2	81
94	Kinetics and mechanism of the aminolysis of O-ethyl S-aryl dithiocarbonates. Journal of Organic Chemistry, 1991, 56, 5324-5328.	3.2	34