

JosÃ© G Santos

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4797521/publications.pdf>

Version: 2024-02-01

94
papers

2,387
citations

136885

32
h-index

254106

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. <i>Frontiers in Chemistry</i> , 2022, 10, 870137.	1.8	6
2	Nucleofugality hierarchy, in the aminolysis reaction of 4-cyanophenyl 4-nitrophenyl carbonate and thionocarbonate. <i>Experimental and theoretical study. New Journal of Chemistry</i> , 2021, 45, 11495-11505.	1.4	2
3	Supramolecular Control of Reactivity toward Hydrolysis of 7-Diethylaminocoumarin Schiff Bases by Cucurbit[7]uril Encapsulation. <i>ACS Omega</i> , 2021, 6, 10333-10342.	1.6	12
4	Cucurbit[7]uril as a Supramolecular Catalyst in Base-Catalyzed Reactions. <i>Experimental and Theoretical Studies on Carbonate and Thiocarbonate Hydrolysis Reactions. Journal of Organic Chemistry</i> , 2021, 86, 2023-2027.	1.7	9
5	An efficient and eco-friendly method for the thiol-Michael addition in aqueous solutions using amino acid ionic liquids (AAILs) as organocatalysts. <i>Pure and Applied Chemistry</i> , 2020, 92, 97-106.	0.9	1
6	The effect of imidazolium salts with amino acids as counterions on the reactivity of 4-nitrophenyl acetate: A kinetic study. <i>Journal of Molecular Liquids</i> , 2020, 310, 113206.	2.3	5
7	Cucurbit[7]uril limits the binding of coumarin bearing alkyl-acetoacetate with mercury and stimulates the desulphurisation reaction of its sulphur analog. <i>Supramolecular Chemistry</i> , 2020, 32, 605-613.	1.5	3
8	Reactivity differences of <i>O</i> -(4-nitrophenyl) thionocarbonates versus their homolog carbonates: Micellar catalysis in hydrolysis reactions. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e3845.	0.9	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. <i>New Journal of Chemistry</i> , 2019, 43, 6372-6379.	1.4	3
10	The reactions of <i>O</i> -(4-nitrophenyl) <i>S</i> -arylethyl dithiocarbonates with anilines: Effects on the relative nucleofugality. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e3818.	0.9	3
11	Experimental and theoretical studies on the nucleofugality ratio in the aminolysis reactions of <i>O</i> -(4-cyanophenyl) <i>O</i> -(3-nitrophenyl) thionocarbonate with amines in aqueous ethanol. <i>New Journal of Chemistry</i> , 2017, 41, 9954-9962.	1.4	8
12	Reaction Mechanism in Ionic Liquids: Kinetics and Mechanism of the Aminolysis of 4-Nitrophenyl Acetate. <i>International Journal of Chemical Kinetics</i> , 2016, 48, 337-343.	1.0	11
13	Reaction mechanisms in ionic liquids: the kinetics and mechanism of the reaction of <i>O,O</i> -diethyl (2,4-dinitrophenyl) phosphate triester with secondary alicyclic amines. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1421-1427.	1.5	19
14	Kinetics and mechanism of the aminolysis of bis(4-nitrophenyl) carbonate and <i>O</i> -(4-nitrophenyl) <i>S</i> -(4-nitrophenyl) thio and dithiocarbonate. <i>Journal of Physical Organic Chemistry</i> , 2014, 27, 265-268.	0.9	17
15	Toward a pK_a Scale of <i>N</i> -base Amines in Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2014, 118, 4412-4418.	1.2	30
16	Kinetic and theoretical study on nucleofugality in the phenolysis of 3-nitrophenyl and 4-nitrophenyl 4-cyanophenyl thionocarbonates. <i>Chemical Physics Letters</i> , 2013, 572, 130-135.	1.2	8
17	Influence of the ionic liquid on the rate and the mechanism of reaction of <i>p</i> -nitrophenyl acetate with secondary alicyclic amines. <i>New Journal of Chemistry</i> , 2013, 37, 3281.	1.4	19
18	Mechanisms of Degradation of Paraoxon in Different Ionic Liquids. <i>Journal of Organic Chemistry</i> , 2013, 78, 9670-9676.	1.7	74

#	ARTICLE	IF	CITATIONS
19	Predicting the reaction mechanism of nucleophilic substitutions at carbonyl and thiocarbonyl centres of esters and thioesters. <i>Journal of Physical Organic Chemistry</i> , 2012, 25, 1359-1364.	0.9	3
20	Kinetic study of solvent effects on the aminolysis of <i>O</i> -ethyl <i>S</i> -aryl dithiocarbonates. <i>Journal of Physical Organic Chemistry</i> , 2012, 25, 989-993.	0.9	8
21	The nucleofuge in the pyridinolysis of <i>O</i> -(4-nitrophenyl) <i>S</i> -aryl thio and dithiocarbonates. <i>Journal of Physical Organic Chemistry</i> , 2012, 25, 994-997.	0.9	5
22	Concerted aminolysis of diaryl carbonates: Kinetic sensitivity on the basicity of the nucleophile, nonleaving group, and nucleofuge. <i>International Journal of Chemical Kinetics</i> , 2012, 44, 604-611.	1.0	6
23	Reactions of <i>O</i> -aryl <i>S</i> -aryl dithiocarbonates with secondary alicyclic amines in aqueous ethanol. Kinetics and mechanism. <i>Journal of Physical Organic Chemistry</i> , 2011, 24, 466-473.	0.9	9
24	Kinetics and mechanism of the anilinolysis of aryl 4-nitrophenyl thionocarbonates in aqueous ethanol. <i>Journal of Physical Organic Chemistry</i> , 2011, 24, 603-610.	0.9	8
25	Anilinolysis of reactive aryl 2,4-dinitrophenyl carbonates: Kinetics and mechanism. <i>International Journal of Chemical Kinetics</i> , 2011, 43, 191-197.	1.0	1
26	Phenolysis and aminolysis of 4-nitrophenyl and 2,4-dinitrophenyl <i>S</i> -methyl thiocarbonates in aqueous ethanol. <i>International Journal of Chemical Kinetics</i> , 2011, 43, 353-358.	1.0	8
27	Reactions of aryl acetates with secondary alicyclic amines in ethanol/water mixtures: Effect of the solvent composition on the kinetics and mechanism. <i>International Journal of Chemical Kinetics</i> , 2011, 43, 687-693.	1.0	13
28	Nucleophilic substitution reactions of diethyl 4-nitrophenyl phosphate triester: Kinetics and mechanism. <i>International Journal of Chemical Kinetics</i> , 2011, 43, 708-714.	1.0	48
29	Kinetics and mechanism of the reactions of <i>O</i> -aryl <i>S</i> -(4-nitrophenyl) dithiocarbonates with anilines in aqueous ethanol. <i>Journal of Physical Organic Chemistry</i> , 2010, 23, 176-180.	0.9	9
30	Reactivity of benzohydrazide derivatives towards acetylation reaction. Experimental and theoretical studies. <i>Chemical Physics Letters</i> , 2010, 488, 86-89.	1.2	14
31	Mechanistic study on the substitution reactions of <i>O</i> -ethyl <i>S</i> -aryl dithiocarbonates with quinuclidines. <i>Journal of Physical Organic Chemistry</i> , 2009, 22, 443-448.	0.9	10
32	Phenolysis of diaryl thiolcarbonates and thionocarbonates. <i>Journal of Physical Organic Chemistry</i> , 2009, 22, 455-459.	0.9	8
33	Reactions of <i>O</i> -aryl <i>S</i> -aryl dithiocarbonates with pyridines in aqueous ethanol: kinetics and mechanism. <i>Journal of Physical Organic Chemistry</i> , 2009, 22, 1003-1008.	0.9	10
34	Kinetics and mechanism of the reactions of aryl chlorodithioformates with pyridines and secondary alicyclic amines. <i>Journal of Physical Organic Chemistry</i> , 2009, 22, 1030-1037.	0.9	9
35	Concerted Pyridinolysis of Aryl 2,4,6-Trinitrophenyl Carbonates. <i>Journal of Organic Chemistry</i> , 2009, 74, 6374-6377.	1.7	56
36	Experimental and Theoretical Studies on the Nucleofugality Patterns in the Aminolysis and Phenolysis of <i>S</i> -Aryl <i>O</i> -Aryl Thiocarbonates. <i>Journal of Organic Chemistry</i> , 2009, 74, 9173-9179.	1.7	69

#	ARTICLE	IF	CITATIONS
37	Reaction of poly-L-lysine with aryl acetates and aryl methyl carbonates. A mechanistic study. <i>Journal of Physical Organic Chemistry</i> , 2008, 21, 62-67.	0.9	6
38	Reactions of aryl chlorothionoformates with quinuclidines. A kinetic study. <i>Journal of Physical Organic Chemistry</i> , 2008, 21, 102-107.	0.9	20
39	Aminolysis and pyridinolysis of <i>O</i> -aryl <i>S</i> -(4-nitrophenyl) thiocarbonates in aqueous ethanol. Kinetics and mechanism. <i>Journal of Physical Organic Chemistry</i> , 2008, 21, 271-278.	0.9	19
40	Kinetics and mechanism of the pyridinolysis of diaryl carbonates. <i>Journal of Physical Organic Chemistry</i> , 2008, 21, 816-822.	0.9	17
41	Kinetics and mechanism of the aminolysis of diaryl carbonates. <i>Arkivoc</i> , 2008, 2008, 151-160.	0.3	8
42	Effect of substitution of oxygen by sulfur in the nonleaving group of a carbonate: kinetics of the phenolysis and benzenethiolysis of <i>S</i> -methyl aryl thiocarbonates. <i>Journal of Physical Organic Chemistry</i> , 2007, 20, 533-538.	0.9	7
43	Kinetics and mechanism of the reactions of polyallylamine with aryl acetates and aryl methyl carbonates. <i>Journal of Physical Organic Chemistry</i> , 2006, 19, 129-135.	0.9	18
44	Kinetic and mechanistic study of the reactions of aryl chloroformates with quinuclidines. <i>Journal of Physical Organic Chemistry</i> , 2006, 19, 683-688.	0.9	14
45	Experimental and theoretical study on the substitution reactions of aryl 2,4-dinitrophenyl carbonates with quinuclidines. <i>Tetrahedron</i> , 2006, 62, 2555-2562.	1.0	31
46	Kinetics and mechanisms of the reactions of <i>S</i> -methyl chlorothioformate with pyridines and secondary alicyclic amines. <i>Tetrahedron</i> , 2006, 62, 4863-4869.	1.0	24
47	Relationships between the Electrophilicity Index and Experimental Rate Coefficients for the Aminolysis of Thiocarbonates and Dithiocarbonates. <i>Journal of Organic Chemistry</i> , 2005, 70, 1754-1760.	1.7	44
48	Kinetics and Mechanism of the Aminolysis of <i>O</i> -Aryl <i>S</i> -Methyl Thiocarbonates. <i>Journal of Organic Chemistry</i> , 2005, 70, 2679-2685.	1.7	50
49	Kinetics and Mechanism of the Pyridinolysis of <i>S</i> -2,4-Dinitrophenyl 4-Substituted Thiobenzoates. <i>Journal of Organic Chemistry</i> , 2005, 70, 3530-3536.	1.7	44
50	Kinetics and Mechanism of the Anilinolysis of Aryl 4-Nitrophenyl Carbonates in Aqueous Ethanol. <i>Journal of Organic Chemistry</i> , 2005, 70, 8088-8092.	1.7	60
51	Relationship between nucleophilicity/electrophilicity indices and reaction mechanisms for the nucleophilic substitution reactions of carbonyl compounds. <i>Journal of Physical Organic Chemistry</i> , 2004, 17, 273-281.	0.9	32
52	Kinetics and Mechanism of the Pyridinolysis of 4-Nitrophenyl and 2,4-Dinitrophenyl <i>S</i> -Methyl Thiocarbonates. <i>Journal of Organic Chemistry</i> , 2004, 69, 6711-6714.	1.7	24
53	Kinetics and Mechanism of the Pyridinolysis of <i>S</i> -4-Nitrophenyl 4-Substituted Thiobenzoates in Aqueous Ethanol. <i>Journal of Organic Chemistry</i> , 2004, 69, 5399-5404.	1.7	38
54	Kinetics and Mechanisms of the Pyridinolysis of Phenyl and 4-Nitrophenyl Chlorothionoformates. Formation and Hydrolysis of 1-(Aryloxythiocarbonyl)pyridinium Cations. <i>Journal of Organic Chemistry</i> , 2004, 69, 4802-4807.	1.7	28

#	ARTICLE	IF	CITATIONS
55	Kinetic Study of the Aminolysis and Pyridinolysis of O-Phenyl and O-Ethyl O-(2,4-Dinitrophenyl) Thiocarbonates. A Remarkable Leaving Group Effect. <i>Journal of Organic Chemistry</i> , 2004, 69, 2411-2416.	1.7	39
56	Kinetic Investigation of the Reactions of S-4-Nitrophenyl 4-Substituted Thiobenzoates with Secondary Alicyclic Amines in Aqueous Ethanol. <i>Journal of Organic Chemistry</i> , 2003, 68, 8157-8161.	1.7	41
57	Kinetics and Mechanism of the Benzenethiolysis of O-Ethyl S-(2,4-Dinitrophenyl) and O-Ethyl S-(2,4,6-Trinitrophenyl) Dithiocarbonates and O-Methyl O-(2,4-Dinitrophenyl) Thiocarbonate. <i>Journal of Organic Chemistry</i> , 2003, 68, 9034-9039.	1.7	8
58	Kinetic Study of the Phenolysis of O-Methyl and O-Phenyl O-2,4-Dinitrophenyl Thiocarbonates and O-Ethyl 2,4-Dinitrophenyl Dithiocarbonate. <i>Journal of Organic Chemistry</i> , 2003, 68, 6192-6196.	1.7	8
59	Kinetics and Mechanism of the Benzenethiolysis of 2,4-Dinitrophenyl and 2,4,6-Trinitrophenyl Methyl Carbonates and S-(2,4-Dinitrophenyl) and S-(2,4,6-Trinitrophenyl) Ethyl Thiocarbonates. <i>Journal of Organic Chemistry</i> , 2003, 68, 3640-3645.	1.7	10
60	Kinetics and Mechanism of the Aminolysis of 4-Methylphenyl and 4-Chlorophenyl 4-Nitrophenyl Carbonates in Aqueous Ethanol. <i>Journal of Organic Chemistry</i> , 2003, 68, 3608-3613.	1.7	40
61	Kinetics and Mechanism of the Aminolysis of 4-Methylphenyl and 4-Chlorophenyl 2,4-Dinitrophenyl Carbonates in Aqueous Ethanol. <i>Journal of Organic Chemistry</i> , 2003, 68, 5930-5935.	1.7	23
62	Kinetics and Mechanism of the Phenolysis of Asymmetric Diaryl Carbonates. <i>Journal of Organic Chemistry</i> , 2002, 67, 4494-4497.	1.7	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. <i>Journal of Organic Chemistry</i> , 2002, 67, 4309-4315.	1.7	23
64	Kinetics and Mechanism of the Aminolysis of Methyl 4-Nitrophenyl, Methyl 2,4-Dinitrophenyl, and Phenyl 2,4-Dinitrophenyl Carbonates. <i>Journal of Organic Chemistry</i> , 2002, 67, 8911-8916.	1.7	88
65	Kinetics and mechanism of the aminolysis of 4-nitrophenyl and 2,4-dinitrophenyl 4-methylphenyl carbonates in aqueous ethanol. <i>International Journal of Chemical Kinetics</i> , 2002, 34, 309-315.	1.0	34
66	Concerted Mechanisms of the Reactions of Methyl Aryl Carbonates with Substituted Phenoxide Ions. <i>Journal of Organic Chemistry</i> , 2001, 66, 3129-3132.	1.7	32
67	Kinetic Study of the Phenolysis of Bis(4-nitrophenyl) Carbonate, Bis(4-nitrophenyl) Thionocarbonate, and Methyl 4-Nitrophenyl Thionocarbonate. <i>Journal of Organic Chemistry</i> , 2001, 66, 6571-6575.	1.7	49
68	Kinetics and Mechanisms of the Reactions of 3-Methoxyphenyl, 3-Chlorophenyl, and 4-Cyanophenyl 4-Nitrophenyl Thionocarbonates with Alicyclic Amines. <i>Journal of Organic Chemistry</i> , 2001, 66, 6130-6135.	1.7	33
69	Kinetic investigation of the phenolysis of phenyl 4-nitrophenyl and phenyl 2,4-dinitrophenyl carbonates. <i>Perkin Transactions II RSC</i> , 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. <i>Journal of Organic Chemistry</i> , 2001, 66, 6000-6003.	1.7	41
71	Structure-reactivity correlations in the aminolysis of aryl chloroformates. <i>International Journal of Chemical Kinetics</i> , 2001, 33, 281-287.	1.0	23
72	Kinetics and Mechanisms of the Reactions of 4-Nitro- and 3-Nitrophenyl 4-Methylphenyl Thionocarbonates with Alicyclic Amines and Pyridines. <i>Journal of Organic Chemistry</i> , 2000, 65, 9047-9053.	1.7	38

#	ARTICLE	IF	CITATIONS
73	Kinetics and Mechanism of the Reactions of Anilines with EthylS-Aryl Thiocarbonates. Journal of Organic Chemistry, 1999, 64, 1953-1957.	1.7	53
74	Concerted Mechanisms of the Reactions of EthylS-Aryl Thiocarbonates with Substituted Phenoxide Ions. Journal of Organic Chemistry, 1999, 64, 2310-2313.	1.7	20
75	Kinetics and Mechanism of the Reactions of Quinuclidines with EthylS-Aryl Thiocarbonates. Journal of Organic Chemistry, 1999, 64, 8298-8301.	1.7	43
76	Kinetics and Mechanism of the Aminolysis of Phenyl and Methyl 4-Nitrophenyl Thionocarbonates. Journal of Organic Chemistry, 1999, 64, 5401-5407.	1.7	27
77	Structure-Reactivity Correlations in the Aminolysis of EthylS-Aryl Thiocarbonates. Journal of Organic Chemistry, 1999, 64, 6342-6346.	1.7	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.	1.7	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.	1.0	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.	1.7	24
81	Kinetics and Mechanism of the Pyridinolysis of Alkyl Aryl Thionocarbonates. Journal of Organic Chemistry, 1997, 62, 2512-2517.	1.7	41
82	Kinetics and Mechanism of the Aminolysis of Phenyl and 4-Nitrophenyl Chlorothionoformates. Journal of Organic Chemistry, 1997, 62, 4395-4397.	1.7	20
83	Structure-Reactivity Correlations in the Aminolysis and Pyridinolysis of Bis(phenyl) and Bis(4-nitrophenyl) Thionocarbonates. Journal of Organic Chemistry, 1997, 62, 6568-6574.	1.7	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.	1.7	59
85	Kinetics and Mechanism of the Pyridinolysis of O-EthylS-Aryl Thiocarbonates in Aqueous Solution. Journal of Organic Chemistry, 1996, 61, 5982-5985.	1.7	46
86	Kinetics and mechanism of the aminolysis of O-ethylS-phenyl dithiocarbonate in aqueous ethanol. International Journal of Chemical Kinetics, 1995, 27, 49-57.	1.0	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.	1.0	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.	1.0	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.	1.7	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.	1.7	33

#	ARTICLE	IF	CITATIONS
91	Kinetics and mechanism of the aminolysis of 2,4-dinitrophenyl and 2,4,6-trinitrophenyl O-ethyl dithiocarbonates. <i>Journal of Organic Chemistry</i> , 1993, 58, 459-463.	1.7	53
92	Kinetics and mechanism of the pyridinolysis of 2,4,6-trinitrophenyl acetate and 2,4,6-trinitrophenyl methyl carbonate. <i>Journal of Organic Chemistry</i> , 1992, 57, 2691-2694.	1.7	41
93	Concerted mechanism of the aminolysis of O-ethyl S-(2,4-dinitrophenyl) thiocarbonate. <i>Journal of Organic Chemistry</i> , 1991, 56, 4819-4821.	1.7	81
94	Kinetics and mechanism of the aminolysis of O-ethyl S-aryl dithiocarbonates. <i>Journal of Organic Chemistry</i> , 1991, 56, 5324-5328.	1.7	34