## Vincenzo Frenna

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	4,6-Dichloro-5-Nitrobenzofuroxan: Different Polymorphisms and DFT Investigation of Its Reactivity with Nucleophiles. International Journal of Molecular Sciences, 2021, 22, 13460.	4.1	0
2	Unexpected Substituent Effects in the Iso-Heterocyclic Boulton–Katritzky Rearrangement of 3-Aroylamino-5-methyl-1,2,4-oxadiazoles: A Mechanistic Study. Journal of Physical Chemistry A, 2019, 123, 10004-10010.	2.5	2
3	Mononuclear Rearrangement of theZ-Phenylhydrazones of Some 3-Acyl-1,2,4-oxadiazoles: Effect of Substituents on the Nucleophilic Character of the >Câ•N–NH–C6H5Chain and on the Charge Density of N-2 of the 1,2,4-Oxadiazole Ring (Electrophilic Counterpart). Journal of Organic Chemistry, 2019, 84, 2462-2469	3.2	6
4	On the rearrangement of some Z -arylhydrazones of 3-benzoyl-5-phenylisoxazoles into 2-aryl-4-phenacyl-2 H -1,2,3-triazoles: a kinetic study of the substituent effects in Boulton–Katritzky reactions. Tetrahedron, 2015, 71, 7315-7322.	1.9	6
5	Ru(bpy) 2 Cl 2 : a catalyst able to shift the course of the photorearrangement in the Boulton–Katritzky reaction. Tetrahedron Letters, 2015, 56, 6598-6601.	1.4	11
6	The Boulton–Katritzky Reaction: A Kinetic Study of the Effect of 5â€Nitrogen Substituents on the Rearrangement of Some ( <i>Z</i> À€Phenylhydrazones of 3â€Benzoylâ€1,2,4â€oxadiazoles. European Journal of Organic Chemistry, 2014, 2014, 7006-7014.	2.4	13
7	On the reactivity of nitrosoimidazoles with acids (the Cusmano–Ruccia reaction): a continuous source of new ring-into-ring interconversion. Tetrahedron Letters, 2014, 55, 1488-1490.	1.4	6
8	Breakthrough in the $\hat{I}_{\pm}$ -Perchlorination of Acyl Chlorides. Synthesis, 2012, 2012, 605-609.	2.3	3
9	CuCl-catalyzed radical cyclisation of N-α-perchloroacyl-ketene-N,S-acetals: a new way to prepare disubstituted maleic anhydrides. Tetrahedron, 2012, 68, 5863-5881.	1.9	16
10	Photochemical isomerization of aryl hydrazones of 1,2,4-oxadiazole derivatives into the corresponding triazoles. Photochemical and Photobiological Sciences, 2012, 11, 1383.	2.9	19
11	Acid- and Base-Catalysis in the Mononuclear Rearrangement of Some ( <i>Z</i> )-Arylhydrazones of 5-Amino-3-benzoyl-1,2,4-oxadiazole in Toluene: Effect of Substituents on the Course of Reaction. Journal of Organic Chemistry, 2011, 76, 2672-2679.	3.2	15
12	A deep insight into the mechanism of the acidâ€catalyzed rearrangement of the <i>Z</i> â€phenylhydrazone of 5â€aminoâ€3â€benzoylâ€1,2,4â€oxadiazole in a nonâ€polar solvent. Journal of Physical Organic Chemistry, 20 24, 185-192.	)119	6
13	A green way to Î <sup>3</sup> -lactams through a copper catalyzed ARGET-ATRC in ethanol and in the presence of ascorbic acid. Tetrahedron, 2011, 67, 408-416.	1.9	29
14	Synthesis of 3-Alkyl-4-(chloromethyl)-1-RSO2-1H-pyrrol-2(5H)-ones, Using a Sequential ATRC/[1,2]-Elimination, from 2,2-Dichloro-N-(2-chloroallyl)-N-RSO2-amides. Synthesis, 2011, 2011, 1267-1278.	2.3	0
15	On the use of multi-parameter free energy relationships: the rearrangement of (Z)-arylhydrazones of 5-amino-3-benzoyl-1,2,4-oxadiazole into (2-aryl-5-phenyl-2H-1,2,3-triazol-4-yl)ureas. Tetrahedron, 2010, 66, 5442-5450.	1.9	18
16	Apolar versus Polar Solvents: A Comparison of the Strength of Some Organic Acids against Different Bases in Toluene and in Water. Journal of Physical Chemistry A, 2010, 114, 10969-10974.	2.5	3
17	New examples of specific-base catalysis in mononuclear rearrangements of heterocycles found via a designed modification of the side-chain structure. Arkivoc, 2009, 2009, 125-144.	0.5	2
18	Isomerization and rearrangement of ( <i>E</i> )†and ( <i>Z</i> )â€phenylhydrazones of 3â€benzoylâ€5â€phenylâ€1,2,4â€oxadiazole: evidence for a â€~new' type of acidâ€catalysis by copper(II) salt mononuclear rearrangement of heterocycles. Journal of Physical Organic Chemistry, 2008, 21, 306-314.	:S1119	9

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19	On the characterization of some [bmim][X]/co-solvent binary mixtures: a multidisciplinary approach by using kinetic, spectrophotometric and conductometric investigations. Tetrahedron, 2008, 64, 672-680.	1.9	56
20	Mononuclear rearrangement of heterocycles in ionic liquids catalyzed by copper(II) salts. Tetrahedron, 2008, 64, 11209-11217.	1.9	18
21	Room Temperature Ionic Liquids Structure and its Effect on the Mononuclear Rearrangement of Heterocycles:Â An Approach Using Thermodynamic Parameters. Journal of Organic Chemistry, 2006, 71, 9637-9642.	3.2	58
22	Study of Aromatic Nucleophilic Substitution with Amines on Nitrothiophenes in Room-Temperature lonic Liquids:  Are the Different Effects on the Behavior of para-Like and ortho-Like Isomers on Going from Conventional Solvents to Room-Temperature Ionic Liquids Related to Solvation Effects?. Journal of Organic Chemistry, 2006, 71, 5144-5150.	3.2	88
23	On the Rearrangement in Dioxane/Water of (Z)-Arylhydrazones of 5-Amino-3-benzoyl-1,2,4-oxadiazole into (2-Aryl-5-phenyl-2H-1,2,3-triazol-4-yl)ureas:Â Substituent Effects on the Different Reaction Pathways. Journal of Organic Chemistry, 2006, 71, 5616-5624.	3.2	38
24	Effect of ionic liquid organizing ability and amine structure on the rate and mechanism of base induced elimination of 1,1,1-tribromo-2,2-bis(phenyl-substituted)ethanes. Tetrahedron, 2006, 62, 1690-1698.	1.9	51
25	On the application of the extended Fujita–Nishioka equation to polysubstituted systems. A kinetic study of the rearrangement of several poly-substituted Z-arylhydrazones of 3-benzoyl-5-phenyl-1,2,4-oxadiazole into 2-aryl-4-benzoylamino-5-phenyl-1,2,3-triazoles in dioxane/water. Tetrahedron 2005 61 167-178	1.9	22
26	NMR Study of the (Z)-Phenylhydrazones of 5-Alkyl- and 5-Aryl-3-benzoyl-1,2,4-oxadiazoles: Support for the Interpretation of Kinetic Results on the Rearrangement of 1,2,4-Oxadiazoles to 1,2,3-Triazoles. European Journal of Organic Chemistry, 2005, 2005, 3980-3986.	2.4	3
27	Can the Absence of Solvation of Neutral Reagents by Ionic Liquids Be Responsible for the High Reactivity in Base-Assisted Intramolecular Nucleophilic Substitutions in These Solvents?. Journal of Organic Chemistry, 2005, 70, 2828-2831.	3.2	53
28	On the Dichotomic Behavior of the Z-2,4-Dinitrophenylhydrazone of 5-Amino-3-benzoyl-1,2,4-oxadiazole with Acids in Toluene and in Dioxane/Water:  Rearrangement versus Hydrolysis. Journal of Organic Chemistry, 2004, 69, 8718-8722.	3.2	22
29	Convergent Results from Experimental and Theoretical DFT Studies of the Intramolecular Rearrangement of Z-Hydrazones of 3-Acyl-1,2,4-Oxadiazoles. Journal of Physical Chemistry A, 2004, 108, 1731-1740.	2.5	46
30	Analysis of substituent effects: the reactions of some 2-L-5-nitro-3-X-thiophenes with primary and secondary amines in methanol. Perkin Transactions II RSC, 2002, , 965-970.	1.1	10
31	Linear free energy ortho-correlations in the reactions of some 2-bromo-5-nitro-3-X-thiophenes with primary and secondary amines in benzene. Perkin Transactions II RSC, 2002, , 971-975.	1.1	13
32	A Generalized Synthesis of 3-Amino-5-aryl-, 3-Amino-5-polyfluorophenyl-, and 3-Amino-5-alkyl-1,2,4-oxadiazoles through Ring-degenerate Rearrangements. Heterocycles, 2002, 57, 811.	0.7	21
33	The First Kinetic Evidence for Acid Catalysis in a Monocyclic Rearrangement of Heterocycles: Conversion of the Z-Phenylhydrazone of 5-Amino-3-benzoyl-1,2,4-oxadiazole into N,5-Diphenyl-2H-1,2,3-triazol-4-ylurea. Journal of Organic Chemistry, 2002, 67, 8010-8018.	3.2	41
34	Studies on Azole-to-Azole Interconversion â^' An Interesting Case of Absence of a "Primary Steric Effect―in the Ring-Degenerate Equilibration betweenortho-Substituted 3-Aroylamino-5-methyl-1,2,4-oxadiazoles and 3-Acetylamino-5-aryl-1,2,4-oxadiazoles in Methanol. European Journal of Organic Chemistry, 2002, 2002, 1417-1423.	2.4	9
35	An Analysis of 1H, 13C and 15N NMR Substituent Chemical Shifts in para- and meta-Substituted (Z)-Phenylhydrazones of 3-Benzoyl-5-phenyl-1,2,4-oxadiazole. European Journal of Organic Chemistry, 2002, 2002, 203-208.	2.4	18
36	Kinetic study of methoxide-promoted elimination reactions of some 1,1,1-trichloro-2,2-bis(phenyl-substituted)ethanes. Journal of Physical Organic Chemistry, 2002, 15, 108-114.	1.9	5

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37	On the Synthesis and Reactivity of theZ-2,4-Dinitrophenylhydrazone of 5-Amino-3-benzoyl-1,2,4-oxadiazole. Journal of Organic Chemistry, 2001, 66, 6124-6129.	3.2	32
38	Mononuclear heterocyclic rearrangements. Part 16. Kinetic study of the rearrangement of some ortho-substituted Z-phenylhydrazones of 3-benzoyl-5-phenyl-1,2,4-oxadiazole into 2-aryl-4-benzoylamino-5-phenyl-1,2,3-triazoles in dioxane-water and in benzene. Tetrahedron, 1999, 55, 12885-12896.	1.9	14
39	Kinetic study of base-promoted elimination reactions of some 1,1,1-trihalo-2,2-bis(dimethoxyphenyl)ethanes in alcoholic solutions. Journal of Physical Organic Chemistry, 1998, 11, 54-58.	1.9	4
40	Secondary steric effects in SNAr of thiophenes: a coordinate kinetic, thermodynamic, UV–VIS, crystallographic and ab initio study. Journal of the Chemical Society Perkin Transactions II, 1997, , 309-316.	0.9	11
41	Nitrogen-15 NMR Studies on Hydrazines. 2— Substituent Effect Analysis inortho-Substituted Phenylhydrazines and Anilines. Magnetic Resonance in Chemistry, 1996, 34, 1019-1024.	1.9	4
42	Studies on azole-to-azole interconversions. Substituent effects on the ring-degenerate equilibration between 3-aroylamino-5-methyl-1,2,4-oxadiazoles and 3-acetylamino-5-aryl-1,2,4-oxadiazoles. Tetrahedron, 1995, 51, 5133-5142.	1.9	18
43	Kinetic study of the reactions of some 2-L-3-Y-5-nitrothiophenes with primary and secondary amines in benzene. Tetrahedron, 1995, 51, 5403-5416.	1.9	3
44	Mononuclear heterocyclic rearrangements. Effect of the structure of the side chain on the reactivity. Part 3. Rearrangement of some N-(5-phenyl-1,2,4-oxadiazol-3-yl)-Nâ€2-arylformamidines into 1-aryl-3-benzoylamino-1,2,4-triazoles in acetonitrile in the presence of triethylamine. Tetrahedron, 1994, 50, 7315-7326.	1.9	12
45	15N NMR: Substituent effect analysis inpara-andmeta-substituted phenylhydrazines. Magnetic Resonance in Chemistry, 1994, 32, 111-117.	1.9	6
46	Aromatic nucleophilic substitution reactions of some 2-L-3-nitro-5-X-thiophenes with piperidine and aniline in methanol. Substituent constants for the thiophene system. Journal of the Chemical Society Perkin Transactions II, 1994, , 2187.	0.9	2
47	Copper(II)-catalyzed molecular rearrangements: the behaviour of arylhydrazones of some 3-benzoylazoles in the presence of copper(II) acetate. Journal of the Chemical Society Perkin Transactions 1, 1993, , 2491.	0.9	12
48	Ring Transformations of Five-Membered Heterocycles. Advances in Heterocyclic Chemistry, 1993, 56, 49-154.	1.7	105
49	Mononuclear heterocyclic rearrangements. Effect of the structure of the side chain on the reactivity. Part 2. Rearrangement of some N-(5-phenyl-1,2,4-oxadiazol-3-yl)-N′-arylformamidines into 1-aryl-3-benzoylamino-l,2,4-triazoles in dioxane–water at various pS+. Journal of the Chemical Society Perkin Transactions II. 1993 1339-1343.	0.9	11
50	Catalysis in Aromatic Nucleophilic Substitution. Part 10. Reactions of Piperidine with 3-Methoxy-5-methyl-2-nitrothiophene in Methanol Acta Chemica Scandinavica, 1993, 47, 157-159.	0.7	6
51	Heterocyclic Rearrangements. A Semiempirical Study of a Degenerate Rearrangement in the 1,2,4-Oxadiazole Series. Heterocycles, 1991, 32, 1547.	0.7	14
52	Heterocyclic Rearrangements — The Rearrangement of 3-Aroylaminoisoxazoles into 2-Aroylaminooxazoles. Heterocycles, 1991, 32, 1765.	0.7	16
53	Mononuclear heterocyclic rearrangements. Effect of the structure of the side chain on the reactivity. Part 1. Rearrangement of some 3-arylureines of 5-pheny-1,2,4-oxadiazole into 1-aryl-3-benzoylamino-1,2,4-triazolin-5-ones in acetonitrile, benzene, and dioxane–water. Journal of the Chemical Society Perkin Transactions II. 1990 1289-1295.	0.9	11
54	A kinetic study on the base-catalysed E→Z isomerization of some arylhydrazones of 3-benzoyl-5-phenyl-1,2,4-oxadiazole: effect of the substituents in the arylhydrazone moiety. Journal of the Chemical Society Perkin Transactions II, 1990, , 215-221.	0.9	7

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55	Catalysis in aromatic nucleophilic substitution. Part 9. Kinetics of the reactions of 2-bromo-3,5-dinitrothiohene with some meta- and para-substituted anilines in benzene. Journal of the Chemical Society Perkin Transactions II, 1990, , 2153.	0.9	4
56	The reaction of 2-methoxy-3-nitrothiophene with N-benzylmethylamine in methanol. Collection of Czechoslovak Chemical Communications, 1990, 55, 223-229.	1.0	2
57	Mononuclear heterocyclic rearrangements. Part 15. Kinetic study of the amine-catalysed rearrangement of some Z-arylhydrazones of 3-benzoyl-5-phenylisoxazole into 2-aryl-4-phenacyl-5-phenyl-1,2,3-triazoles in acetonitrile and in benzene. Journal of the Chemical Society Perkin Transactions II. 1988 1683.	0.9	10
58	Mononuclear heterocyclic rearrangements. Part 14. Rearrangement of some Z-arylhydrazones of 3-benzoyl-5-phenylisoxazole to 2-aryl-4-phenacyl-1,2,3-triazoles in dioxane–water. Journal of the Chemical Society Perkin Transactions II, 1987, , 537-540.	0.9	17
59	Mononuclear heterocyclic rearrangements. Part 13. Substituent effects on the rearrangement of some Z-arylhydrazones of 3-benzoyl-5-phenyl-1,2,4-oxadiazole to 2-aryl-4-benzoylamino-5-phenyl-1,2,3-triazoles in benzene, dioxane, ethyl acetate, acetonitrile, and methanol. Iournal of the Chemical Society Perkin Transactions II. 1986. , 1183.	0.9	14
60	Heterocyclic rearrangements: rearrangement of N-(1,2,4-oxadiazol-3-yl)-β-anamino ketones into pyrimidine N-oxides. Journal of the Chemical Society Perkin Transactions 1, 1986, , 17-19.	0.9	15
61	Heterocyclic rearrangements. Synthesis of 1,2,4â€oxadiazolo[2,3â€ <i>a</i> ]pyrimidinium systems and their ring opening into pyrimidine <i>N</i> â€oxides. Journal of Heterocyclic Chemistry, 1986, 23, 1175-1177.	2.6	15
62	Heterocyclic Rearrangements. Rearrangements of 1,2,4-Oxadiazoles, Isoxazoles, and 1,2,5-Oxadiazoles Involving a Carbethoxythiourea NCS Sequence. Heterocycles, 1986, 24, 3433.	0.7	16
63	Lead tetraacetate oxidation of phenylhydrazones of 3-benzoylazoles. Synthesis of azoacetates and their conversion into indazoles. Journal of Heterocyclic Chemistry, 1985, 22, 29-32.	2.6	3
64	Heterocyclic rearrangements.N,N-diphenylhydrazones, oximes andO-methyloximes of 3-benzoyl-5-phenyl-1,2,4-oxadiazole. Journal of Heterocyclic Chemistry, 1985, 22, 97-99.	2.6	14
65	Linear free energy ortho-correlations in the thiophene series. Part 12. The kinetics of piperidinodebromination of some 2-bromo-3-X-4-methyl-5-nitrothiophenes in methanol. Journal of the Chemical Society Perkin Transactions II, 1985, , 519.	0.9	10
66	Amine basicities in benzene and in water. Journal of the Chemical Society Perkin Transactions II, 1985, , 1865.	0.9	72
67	Catalysis in aromatic nucleophilic substitution. Part 7. Kinetics of the reactions of some 5-substituted 2-methoxy-3-nitrothiophenes with piperidine in benzene. Journal of the Chemical Society Perkin Transactions II, 1984, , 781.	0.9	4
68	Mononuclear heterocyclic rearrangements. Part 11. Kinetic study of the rearrangement of (Z)-phenylhydrazones of some 5-alkyl-3-benzoyl-1,2,4-oxadiazoles into 4-acylamino-2,5-diphenyl-1,2,3-triazoles in benzene, dioxane–water, and acetonitrile. Journal of the Chemical Society Perkin Transactions II_1984_541-545	0.9	17
69	Mononuclear heterocyclic rearrangements. Part 12. Kinetic study of substituent effects on the rearrangement of the (Z)-phenylhydrazones of some 5-aryl-3-benzoyl-1,2,4-oxidiazoles into 4-aroylamino-2,5-diphenyl-1,2,3-triazoles in dioxane–water at various pS+values. Journal of the Chemical Society Perkin Transactions II. 1984 785-789.	0.9	10
70	Heterocyclic rearrangements. Phenylhydrazones and <i>N</i> â€methylâ€ <i>N</i> â€phenylhydrazones of 3â€acylisoxazoles. Journal of Heterocyclic Chemistry, 1983, 20, 931-934.	2.6	17
71	Mononuclear heterocyclic rearrangements. Part 9. A kinetic study of the rearrangement of the Z-phenylhydrazone of 3-benzoyl-5-phenyl-1,2,4-oxadiazole into 4-benzoylamino-2,5-diphenyl-1,2,3-triazole in methanol, dioxan, ethyl acetate, and acetonitrile. Journal of the Chemical Society Perkin Transactions II. 1983 1199.	0.9	16
72	Heterocyclic rearrangements. Synthesis and reactivity of oximes of some 3-acylisoxazoles. A reinvestigation. Journal of the Chemical Society Perkin Transactions 1, 1983, , 483.	0.9	12

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73	Mononuclear heterocyclic rearrangements. Part 10. Kinetic study of the amine-catalysed rearrangement of the Z-p-nitrophenylhydrazone of 3-benzoyl-5-phenyl-1,2,4-oxadiazole into 4-benzoylamino-2-p-nitrophenyl-5-phenyl-1,2,3-triazole in benzene. Journal of the Chemical Society Perkin Transactions II, 1983, , 1203.	0.9	16
74	Kinetics of piperidino- and benzenethiolate-dehalogenation of some 4-substituted 2,3-dihalogeno-5-nitrothiophens in methanol. Journal of the Chemical Society Perkin Transactions II, 1982, , 621.	0.9	8
75	Steric factors in heterocyclic rearrangements. N-Methyl-N-phenylhydrazones of 3-benzoyl-5-phenyl-1,2,4-oxadiazole. Journal of the Chemical Society Perkin Transactions 1, 1982, , 165.	0.9	11
76	Mononuclear heterocyclic rearrangements. Part 7. Evidence for general base catalysis in the rearrangement of the Z-phenylhydrazone of 3-benzoyl-5-phenyl-1,2,4-oxadiazole into 2,5-diphenyl-4-benzoylamino-1,2,3-triazole in dioxan–water. Journal of the Chemical Society Perkin Transactions II. 1981 1325-1328.	0.9	17
77	Mononuclear heterocyclic rearrangement. Part 6 . Studies on base catalysis of the rearrangement of the ( <i>Z</i> )â€ <i>p</i> )â€ <i>p</i> )â€nitrophenylhydrazone of 3â€benzoylâ€5â€phenylâ€1,2,4â€oxadiazole in benzene: Eff piperidine, triethylamine and of some secondary amines. Journal of Heterocyclic Chemistry, 1981, 18, 723-725.	ect of 2.6	14
78	Mononuclear heterocyclic rearrangements. Part 4 Synthesis and characterization of the <i>E</i> â€isomer phenylhydrazone of 3â€benzoylâ€5â€phenylâ€1,2,4â€oxadiazole. Journal of Heterocyclic Chemistry, 1980, 17, 401-402.	2.6	24
79	Mononuclear heterocyclic rearrangements 5. Kinetic Investigation of the behaviour of ( <i>e</i> )―and ( <i>z</i> )â€phenylhydrazones of 3â€benzoylâ€5â€phenylâ€1,2,4â€oxadiazole in benzene. Isomerization and rearrangement. Journal of Heterocyclic Chemistry, 1980, 17, 861-864.	2.6	14
80	Mononuclear heterocyclic rearrangements. Part III. Rearrangement of theP-methoxyphenylhydrazone and them-nitrophenylhydrazone of 3-benzoyl-5-phenyl-1,2,4-oxadiazole in dioxane/water in thepS+range 3.8-11.5. Journal of Heterocyclic Chemistry, 1979, 16, 359-361.	2.6	7
81	Mononuclear heterocyclic rearrangements. Part 12. Rearrangement of 1,2,4-oxadiazoles into indazoles. Journal of Heterocyclic Chemistry, 1979, 16, 783-784.	2.6	12
82	Mononuclear heterocyclic rearrangements. Part 2. Substituent effects on the rate of rearrangement of some arylhydrazones of 3-benzoyl-5-phenyl-1,2,4-oxadiazole into 2-aryl-4-benzoylamino-5-phenyl-1,2,3-triazole, at pS + 3.80. Journal of the Chemical Society Perkin Transactions II, 1978, , 19.	0.9	25
83	Mononuclear heterocyclic rearrangement. Note I. Kinetic study of the rearrangement of the phenylhydrazone of 3-benzoyl-5-phenyl-1,2,4-oxadiazole into 2,5-diphenyl-4-benzoylamino-1,2,3-triazole.	2.6	37