

Stephen A Glover

List of Publications by Year in descending order

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67
papers

1,653
citations

236925

25
h-index

345221

36
g-index

72
all docs

72
docs citations

72
times ranked

700
citing authors

#	ARTICLE	IF	CITATIONS
1	Anomeric amides – Structure, properties and reactivity. Tetrahedron, 1998, 54, 7229-7271.	1.9	102
2	Reliable Determination of Amidicity in Acyclic Amides and Lactams. Journal of Organic Chemistry, 2012, 77, 5492-5502.	3.2	100
3	N-alkoxy-n-acylnitrenium ions in intramolecular aromatic addition reactions. Tetrahedron, 1987, 43, 2577-2592.	1.9	71
4	N-alkoxy-N-acylnitrenium ions as possible intermediates in intramolecular aromatic substitution: novel formation of N-acyl-3,4-dihydro-1H-2,1-benzoxazines and N-acyl-4,5-dihydro-1H,3H-2.1-benzoxazepine. Journal of the Chemical Society Perkin Transactions 1, 1984, , 2255.	0.9	59
5	A Computational Investigation of the Stereoisomerism in Heteroatom-Substituted Amides. Journal of Organic Chemistry, 1996, 61, 2337-2345.	3.2	52
6	Conformational Stereochemistry of the HERON Amide, N-Methoxy-N-dimethylaminoformamide: A Theoretical Study. Journal of Organic Chemistry, 1999, 64, 2340-2345.	3.2	46
7	Evidence for the formation of nitrenium ions in the acid-catalysed solvolysis of mutagenic N-acetoxy-N-alkoxybenzamides. Journal of the Chemical Society Perkin Transactions II, 1991, , 2067.	0.9	41
8	Hindered ester formation by SN2 azidation of N-acetoxy-N-alkoxyamides and N-alkoxy-N-chloroamides – novel application of HERON rearrangements. Perkin Transactions II RSC, 2002, , 1728-1739.	1.1	41
9	A Comparison of the Reactivity and Mutagenicity of N-(Benzoyloxy)-N-(benzyloxy)benzamides. Journal of Organic Chemistry, 1998, 63, 9684-9689.	3.2	38
10	HERON rearrangement of N,N'-diacyl-N,N'-dialkoxyhydrazines ? a theoretical and experimental study. Tetrahedron, 1999, 55, 3413-3426.	1.9	37
11	Solvolysis and mutagenesis of n-acetoxy-n-alkoxybenzamides – evidence for nitrenium ion formation. Tetrahedron Letters, 1990, 31, 5377-5380.	1.4	35
12	Molecular orbital studies of novel N to C migrations in N,N-bisheteroatom-substituted amides – HERON rearrangements. Journal of the Chemical Society Perkin Transactions II, 1995, , 595-603.	0.9	35
13	Crystal structures and properties of mutagenic N-acyloxy-N-alkoxyamides – almost pyramidal – acyclic amides. Organic and Biomolecular Chemistry, 2003, 1, 3430-3437.	2.8	35
14	Generation and Trapping of the 4-Biphenyloxygenium Ion by Water and Azide: Comparisons with the 4-Biphenylnitrenium Ion. Journal of the American Chemical Society, 2004, 126, 7748-7749.	13.7	35
15	Characterization of Reactive Intermediates Generated During Photolysis of 4-Acetoxy-4-aryl-2,5-cyclohexadienones: Oxenium Ions and Aryloxy Radicals. Journal of the American Chemical Society, 2008, 130, 16021-16030.	13.7	35
16	Mechanism of the thermal decomposition of tetra-aryltellurium species. Journal of the Chemical Society Chemical Communications, 1977, , 266.	2.0	34
17	N-acetoxy-N-alkoxyamides - a new class of nitrenium ion precursors which are mutagenic. Tetrahedron Letters, 1989, 30, 2649-2652.	1.4	34
18	Reactive intermediates from the solvolysis of mutagenic O-Alkyl N-acetoxybenzohydroxamates. Journal of the Chemical Society Perkin Transactions II, 1994, , 1173.	0.9	34

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19	Structure, conformation, anomeric effects and rotational barriers in the HERON amides, N,N-diacetyl-N,N-dialkoxyhydrazines. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999, , 2053-2058.	0.9	32
20	Bimolecular reactions of mutagenic N-acetoxy-N-alkoxybenzamides and N-methylaniline. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1992, , 1661.	0.9	31
21	Bimolecular Reactions of Mutagenic N-Acyloxy-N-alkoxybenzamides with Aromatic Amines. <i>Journal of Chemical Research Synopses</i> , 1999, , 474-475.	0.3	28
22	Mutagenicity of electrophilic N-acyloxy-N-alkoxyamides. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2001, 494, 115-134.	1.7	28
23	Structures of <i>N,N</i> -Dialkoxyamides: Pyramidal Anomeric Amides with Low Amidicity. <i>Journal of Organic Chemistry</i> , 2011, 76, 9757-9763.	3.2	28
24	Characterization of the 4-(Benzothiazol-2-yl)phenylnitrenium Ion from a Putative Metabolite of a Model Antitumor Drug. <i>Journal of Organic Chemistry</i> , 2010, 75, 5296-5304.	3.2	27
25	Formation and HERON Reactivity of Cyclic N,N-Dialkoxyamides. <i>Australian Journal of Chemistry</i> , 2014, 67, 507.	0.9	27
26	Intramolecular cyclisations of biphenyl-2-carboxyl radicals: evidence for a II-state aryloxy radical. <i>Journal of the Chemical Society Perkin Transactions I</i> , 1981, , 842.	0.9	26
27	The HERON reaction – Origin, theoretical background, and prevalence. <i>Canadian Journal of Chemistry</i> , 2005, 83, 1492-1509.	1.1	26
28	Mutagenicity and DNA damage studies of N-acyloxy-N-alkoxyamides ? the role of electrophilic nitrogen Electronic supplementary information (ESI) available: a partial sequence of the pBR322 DNA, solvolysis rate constants and primary bimolecular rate constants. See http://www.rsc.org/suppdata/ob/b3/b301618h/ . <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 2238.	2.8	25
29	Aryl radical cyclizations onto enamine double bonds. <i>Journal of Organic Chemistry</i> , 1993, 58, 2115-2121.	3.2	24
30	A computational investigation of the structure of the novel anomeric amide N-azido-N-methoxyformamide and its concerted decomposition to methyl formate and nitrogen. <i>Perkin Transactions II RSC</i> , 2002, , 1740-1746.	1.1	24
31	SN2 Substitution Reactions at the Amide Nitrogen in the Anomeric Mutagens, N-Acyloxy-N-alkoxyamides. <i>Australian Journal of Chemistry</i> , 2009, 62, 700.	0.9	24
32	Synthesis and thermal decomposition of N,N-dialkoxyamides. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 4116.	2.8	24
33	Heteroatom Substitution at Amide Nitrogen – Resonance Reduction and HERON Reactions of Anomeric Amides. <i>Molecules</i> , 2018, 23, 2834.	3.8	24
34	4-Substituted-4-biphenyloxenium Ions: Reactivity and Selectivity in Aqueous Solution. <i>Journal of Organic Chemistry</i> , 2006, 71, 3778-3785.	3.2	23
35	Synthesis of β -iodo-butyl and methyl ethers from the reaction of alkenes with β -butyl and methyl hypiodites. <i>Tetrahedron Letters</i> , 1980, 21, 2005-2008.	1.4	22
36	Factors affecting the electronic states of amidyls: evidence for π mixing in simple amidyls. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1986, , 645-653.	0.9	22

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37	Mutagenic N-Acyloxy-N-alkoxyamides: Probes for Drug - DNA Interactions. Australian Journal of Chemistry, 2004, 57, 377.	0.9	20
38	Computational studies of the properties of phenyloxenium ions $\hat{\Lambda}$ — A comparison with phenylnitrenium and phenylcarbenium ions. Canadian Journal of Chemistry, 2005, 83, 1372-1381.	1.1	19
39	The Hydrolysis of 4-Acyloxy-4-substituted-2,5-cyclohexadienones: $\hat{\Lambda}$ Limitations of Aryloxenium Ion Chemistry. Journal of the American Chemical Society, 2005, 127, 8090-8097.	13.7	19
40	Support for a Dioxyallyl Cation in the Mechanism Leading to ($\hat{\alpha}$) ⁺ -Levoglucosenone. Journal of Organic Chemistry, 2017, 82, 12294-12299.	3.2	18
41	Thermal Decomposition of N-Acyloxy-N-alkoxyamides - a New HERON Reaction. Australian Journal of Chemistry, 2010, 63, 1717.	0.9	17
42	HERON reactions of anomeric amides: understanding the driving force. Journal of Physical Organic Chemistry, 2015, 28, 215-222.	1.9	17
43	The role of steric effects in the direct mutagenicity of N-acyloxy-N-alkoxyamides. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2006, 605, 51-62.	1.7	16
44	Rearrangement of N-acyl-3,4-dihydro-1H-2,1-benzoxazines to 2-substituted-4H-3,1-benzoxazines through a retro-Diels $\hat{\Lambda}$ Alder extrusion of formaldehyde. Journal of the Chemical Society Perkin Transactions II, 1996, , 1367-1376.	0.9	15
45	N-Iodo-amides: mechanism of intramolecular reactions with aromatic rings of amido-radicals in $\hat{\Lambda}$ - and $\hat{\Lambda}$ -electronic states. Journal of the Chemical Society Perkin Transactions 1, 1977, , 1348-1356.	0.9	14
46	Mutagenicity of N-acyloxy-N-alkoxyamides as an indicator of DNA intercalation part 1: evidence for naphthalene as a DNA intercalator. Organic and Biomolecular Chemistry, 2016, 14, 3699-3714.	2.8	14
47	Hydrolysis and Photolysis of 4-Acetoxy-4-(benzothiazol-2-yl)-2,5-cyclohexadien-1-one, a Model Anti-Tumor Quinol Ester. Journal of Organic Chemistry, 2009, 74, 4463-4471.	3.2	13
48	Studies of the Structure, Amidicity, and Reactivity of N-Chlorohydroxamic Esters and N-Chloro- $\hat{\Lambda}$, $\hat{\Lambda}$ -dialkylhydrazides: Anomeric Amides with Low Resonance Energies. Australian Journal of Chemistry, 2014, 67, 1344.	0.9	13
49	Reactions of carbamyl radicals: intramolecular hydrogen abstraction reactions. Tetrahedron, 1987, 43, 923-934.	1.9	12
50	Reaction of N-Acyloxy-N-alkoxyamides with Biological Thiol Groups. Australian Journal of Chemistry, 2011, 64, 443.	0.9	12
51	N-Iodo-amides: cyclisation of substituted biphenyl-2-carboxamides. Journal of the Chemical Society Perkin Transactions 1, 1978, , 653.	0.9	11
52	N-Acyloxy-N-alkoxyamides $\hat{\Lambda}$ structure, properties, reactivity and biological activity. Advances in Physical Organic Chemistry, 2007, , 35-123.	0.5	11
53	Chemistry of 4-Alkylaryloxenium Ion $\hat{\Lambda}$ Precursors $\hat{\Lambda}$ Sound and Fury Signifying Something?. Journal of Organic Chemistry, 2007, 72, 9954-9962.	3.2	10
54	Cyclisation of biphenyl-2-carboxamides. Journal of the Chemical Society Perkin Transactions 1, 1973, , 1647.	0.9	9

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55	Steric effects on the direct mutagenicity of N-acyloxy-N-alkoxyamides—Probes for drug—DNA interactions. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011, 722, 32-38.	1.7	8
56	N-iodoamides. Cyclisation of biphenyl-2-carboxamides. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1974, , 2353.	0.9	7
57	Reactions of carbamyl (urethanyl) radicals: intramolecular aromatic additions. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1987, , 1243.	0.9	6
58	2-(4-Iodophenoxy)acetamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o1928-o1928.	0.2	6
59	The effect of hydrophobicity upon the direct mutagenicity of N-acyloxy-N-alkoxyamides—Bilinear dependence upon LogP. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2016, 795, 41-50.	1.7	6
60	Mutagenicity of N-acyloxy-N-alkoxyamides as an indicator of DNA intercalation: The role of fluorene and fluorenone substituents as DNA intercalators. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2021, 863-864, 503299.	1.7	6
61	The role of substituents in the HERON reaction of anomeric amides. <i>Canadian Journal of Chemistry</i> , 2016, 94, 1169-1180.	1.1	5
62	Development of the HERON Reaction: A Historical Account. <i>Australian Journal of Chemistry</i> , 2017, 70, 344.	0.9	4
63	Comment on “Penicillin’s catalytic mechanism revealed by inelastic neutrons and quantum chemical theory” by Z. Mucsi, G. A. Chass, P. Ábrányi-Balogh, B. Járjárt, D.-C. Fang, A. J. Ramirez-Cuesta, B. Viskolcz and I. G. Csizmadia, <i>Phys. Chem. Chem. Phys.</i> , 2013, 15 , 20447. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 18012-18025.	2.8	4
64	SN2 reactions at amide nitrogen— theoretical models for reactions of mutagenic N-acyloxy-N-alkoxyamides with bionucleophiles. <i>Arkivoc</i> , 2005, 2001, 143-160.	0.5	4
65	Nucleophilic Trapping of Alkoxy-Stabilized Oxyallyl Systems Generated from Inosose 2-O-Mesylates. <i>Synlett</i> , 2014, 26, 111-115.	1.8	2
66	Bimolecular Reactions of Mutagenic N-Acyloxy-N-alkoxybenzamides with Aromatic Amines. <i>Journal of Chemical Research</i> , 1999, 23, 474-475.	1.3	1
67	Correction: Mutagenicity of N-acyloxy-N-alkoxyamides as an indicator of DNA intercalation part 1: evidence for naphthalene as a DNA intercalator. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 6871-6871.	2.8	0