

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	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
2	Comment on "Penicillin's catalytic mechanism revealed by inelastic neutrons and quantum chemical theory" by Z. Mucsi, G. A. Chass, P. Ábrányi-Balogh, B. Járórt, 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
3	Heteroatom Substitution at Amide Nitrogen Resonance Reduction and HERON Reactions of Anomeric Amides. <i>Molecules</i> , 2018, 23, 2834.	3.8	24
4	Development of the HERON Reaction: A Historical Account. <i>Australian Journal of Chemistry</i> , 2017, 70, 344.	0.9	4
5	Support for a Dioxyallyl Cation in the Mechanism Leading to (α)-Levoglucosenone. <i>Journal of Organic Chemistry</i> , 2017, 82, 12294-12299.	3.2	18
6	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
7	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, 3699-3714.	2.8	14
8	The role of substituents in the HERON reaction of anomeric amides. <i>Canadian Journal of Chemistry</i> , 2016, 94, 1169-1180.	1.1	5
9	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
10	HERON reactions of anomeric amides: understanding the driving force. <i>Journal of Physical Organic Chemistry</i> , 2015, 28, 215-222.	1.9	17
11	Nucleophilic Trapping of Alkoxy-Stabilized Oxyallyl Systems Generated from Inosose 2-O-Mesylates. <i>Synlett</i> , 2014, 26, 111-115.	1.8	2
12	Studies of the Structure, Amidicity, and Reactivity of N-Chlorohydroxamic Esters and N-Chloro-1,2-dialkylhydrazides: Anomeric Amides with Low Resonance Energies. <i>Australian Journal of Chemistry</i> , 2014, 67, 1344.	0.9	13
13	Formation and HERON Reactivity of Cyclic N,N-Dialkoxyamides. <i>Australian Journal of Chemistry</i> , 2014, 67, 507.	0.9	27
14	Reliable Determination of Amidicity in Acyclic Amides and Lactams. <i>Journal of Organic Chemistry</i> , 2012, 77, 5492-5502.	3.2	100
15	Structures of N,N-Dialkoxyamides: Pyramidal Anomeric Amides with Low Amidicity. <i>Journal of Organic Chemistry</i> , 2011, 76, 9757-9763.	3.2	28
16	Reaction of N-Acyloxy-N-alkoxyamides with Biological Thiol Groups. <i>Australian Journal of Chemistry</i> , 2011, 64, 443.	0.9	12
17	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
18	Synthesis and thermal decomposition of N,N-dialkoxyamides. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 4116.	2.8	24

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19	2-(4-Iodophenoxy)acetamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o1928-o1928.	0.2	6
20	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
21	Thermal Decomposition of N-Acyloxy-N-alkoxyamides - a New HERON Reaction. <i>Australian Journal of Chemistry</i> , 2010, 63, 1717.	0.9	17
22	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
23	Hydrolysis and Photolysis of 4-Acetoxy-4-(benzothiazol-2-yl)-2,5-cyclohexadien-1-one, a Model Anti-Tumor Quinol Ester. <i>Journal of Organic Chemistry</i> , 2009, 74, 4463-4471.	3.2	13
24	Characterization of Reactive Intermediates Generated During Photolysis of 4-Acetoxy-4-aryl-2,5-cyclohexadienones: Oxenium Ions and Aryloxy Radicals. <i>Journal of the American Chemical Society</i> , 2008, 130, 16021-16030.	13.7	35
25	N-Acyloxy-N-alkoxyamides – structure, properties, reactivity and biological activity. <i>Advances in Physical Organic Chemistry</i> , 2007, , 35-123.	0.5	11
26	Chemistry of 4-Alkylaryloxygenium Ion – Precursors – Sound and Fury Signifying Something?. <i>Journal of Organic Chemistry</i> , 2007, 72, 9954-9962.	3.2	10
27	4-Substituted-4-biphenyloxygenium Ions: Reactivity and Selectivity in Aqueous Solution. <i>Journal of Organic Chemistry</i> , 2006, 71, 3778-3785.	3.2	23
28	The role of steric effects in the direct mutagenicity of N-acyloxy-N-alkoxyamides. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2006, 605, 51-62.	1.7	16
29	Computational studies of the properties of phenyloxygenium ions – A comparison with phenylnitrenium and phenylcarbenium ions. <i>Canadian Journal of Chemistry</i> , 2005, 83, 1372-1381.	1.1	19
30	The Hydrolysis of 4-Acyloxy-4-substituted-2,5-cyclohexadienones: Limitations of Aryloxygenium Ion Chemistry. <i>Journal of the American Chemical Society</i> , 2005, 127, 8090-8097.	13.7	19
31	The HERON reaction – Origin, theoretical background, and prevalence. <i>Canadian Journal of Chemistry</i> , 2005, 83, 1492-1509.	1.1	26
32	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
33	Generation and Trapping of the 4-Biphenyloxygenium Ion by Water and Azide: Comparisons with the 4-Biphenylnitrenium Ion. <i>Journal of the American Chemical Society</i> , 2004, 126, 7748-7749.	13.7	35
34	Mutagenic N-Acyloxy-N-alkoxyamides: Probes for Drug - DNA Interactions. <i>Australian Journal of Chemistry</i> , 2004, 57, 377.	0.9	20
35	Crystal structures and properties of mutagenic N-acyloxy-N-alkoxyamides – most pyramidal – acyclic amides. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 3430-3437.	2.8	35
36	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

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37	A computational investigation of the structure of the novel anomeric amide N-azido-N-methoxyformamide and its concerted decomposition to methyl formate and nitrogen. Perkin Transactions II RSC, 2002, , 1740-1746.	1.1	24
38	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
39	Mutagenicity of electrophilic N-acyloxy-N-alkoxyamides. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2001, 494, 115-134.	1.7	28
40	HERON rearrangement of N,N'-diacyl-N,N'-dialkoxyhydrazines ? a theoretical and experimental study. Tetrahedron, 1999, 55, 3413-3426.	1.9	37
41	Bimolecular Reactions of Mutagenic N-Acyloxy-N-alkoxybenzamides with Aromatic Amines. Journal of Chemical Research Synopses, 1999, , 474-475.	0.3	28
42	Structure, conformation, anomeric effects and rotational barriers in the HERON amides, N,N'-diacyl-N,N'-dialkoxyhydrazines. Journal of the Chemical Society Perkin Transactions II, 1999, , 2053-2058.	0.9	32
43	Conformational Stereochemistry of the HERON Amide, N-Methoxy-N-dimethylaminoformamide: A Theoretical Study. Journal of Organic Chemistry, 1999, 64, 2340-2345.	3.2	46
44	Bimolecular Reactions of Mutagenic N-Acyloxy-N-alkoxybenzamides with Aromatic Amines. Journal of Chemical Research, 1999, 23, 474-475.	1.3	1
45	Anomeric amides – Structure, properties and reactivity. Tetrahedron, 1998, 54, 7229-7271.	1.9	102
46	A Comparison of the Reactivity and Mutagenicity of N-(Benzoyloxy)-N-(benzyloxy)benzamides. Journal of Organic Chemistry, 1998, 63, 9684-9689.	3.2	38
47	A Computational Investigation of the Stereoisomerism in Heteroatom-Substituted Amides. Journal of Organic Chemistry, 1996, 61, 2337-2345.	3.2	52
48	Rearrangement of N-acyl-3,4-dihydro-1H-2,1-benzoxazines to 2-substituted-4H-3,1-benzoxazines through a retro-Diels-Alder extrusion of formaldehyde. Journal of the Chemical Society Perkin Transactions II, 1996, , 1367-1376.	0.9	15
49	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
50	Reactive intermediates from the solvolysis of mutagenic O-Alkyl N-acetoxybenzohydroxamates. Journal of the Chemical Society Perkin Transactions II, 1994, , 1173.	0.9	34
51	Aryl radical cyclizations onto enamine double bonds. Journal of Organic Chemistry, 1993, 58, 2115-2121.	3.2	24
52	Bimolecular reactions of mutagenic N-acetoxy-N-alkoxybenzamides and N-methylaniline. Journal of the Chemical Society Perkin Transactions II, 1992, , 1661.	0.9	31
53	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
54	Solvolysis and mutagenesis of n-acetoxy-n-alkoxybenzamides – evidence for nitrenium ion formation. Tetrahedron Letters, 1990, 31, 5377-5380.	1.4	35

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55	N-acetoxy-N-alkoxyamides - a new class of nitrenium ion precursors which are mutagenic. Tetrahedron Letters, 1989, 30, 2649-2652.	1.4	34
56	Reactions of carbamyl (urethanyl) radicals: intramolecular aromatic additions. Journal of the Chemical Society Perkin Transactions 1, 1987, , 1243.	0.9	6
57	N-alkoxy-n-acylnitrenium ions in intramolecular aromatic addition reactions. Tetrahedron, 1987, 43, 2577-2592.	1.9	71
58	Reactions of carbamyl radicals: intramolecular hydrogen abstraction reactions. Tetrahedron, 1987, 43, 923-934.	1.9	12
59	Factors affecting the electronic states of amidyls: evidence for \hat{I}^2 mixing in simple amidyls. Journal of the Chemical Society Perkin Transactions II, 1986, , 645-653.	0.9	22
60	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
61	Intramolecular cyclisations of biphenyl-2-carboxyl radicals: evidence for a II-state aryloxy radical. Journal of the Chemical Society Perkin Transactions 1, 1981, , 842.	0.9	26
62	Synthesis of \hat{I}^2 -iodo-butyl and methyl ethers from the reaction of alkenes with -butyl and methyl hypiodites. Tetrahedron Letters, 1980, 21, 2005-2008.	1.4	22
63	N-Iodo-amides: cyclisation of substituted biphenyl-2-carboxamides. Journal of the Chemical Society Perkin Transactions 1, 1978, , 653.	0.9	11
64	N-Iodo-amides: mechanism of intramolecular reactions with aromatic rings of amido-radicals in \hat{I}^2 - and \hat{I}^1 -electronic states. Journal of the Chemical Society Perkin Transactions 1, 1977, , 1348-1356.	0.9	14
65	Mechanism of the thermal decomposition of tetra-aryltellurium species. Journal of the Chemical Society Chemical Communications, 1977, , 266.	2.0	34
66	N-iodoamides. Cyclisation of biphenyl-2-carboxamides. Journal of the Chemical Society Perkin Transactions 1, 1974, , 2353.	0.9	7
67	Cyclisation of biphenyl-2-carboxamides. Journal of the Chemical Society Perkin Transactions 1, 1973, , 1647.	0.9	9