

# Mark C Bagley

## List of Publications by Year in descending order

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127  
docs citations

127  
times ranked

3311  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thiopeptide Antibiotics. <i>Chemical Reviews</i> , 2005, 105, 685-714.	47.7	585
2	The Bohlmann-Rahtz Pyridine Synthesis: From Discovery to Applications. <i>Synlett</i> , 2007, 2007, 2459-2482.	1.8	195
3	Total Synthesis of the Thiopeptide Promothiocin A. <i>Journal of the American Chemical Society</i> , 2000, 122, 3301-3313.	13.7	155
4	A Simple Continuous Flow Microwave Reactor. <i>Journal of Organic Chemistry</i> , 2005, 70, 7003-7006.	3.2	121
5	A new one-pot three-component condensation reaction for the synthesis of 2,3,4,6-tetrasubstituted pyridines. <i>Chemical Communications</i> , 2002, , 1682-1683.	4.1	115
6	Synthesis of functionalised oxazoles and bis-oxazoles. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1998, , 591-600.	0.9	84
7	Microwave-assisted synthesis of N-pyrazole ureas and the p38 $\beta$ inhibitor BIRB 796 for study into accelerated cell ageing. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 4158.	2.8	77
8	One-Pot Multistep Bohlmann-Rahtz Heteroannulation Reactions: Synthesis of Dimethyl Sulfomycinamate. <i>Journal of Organic Chemistry</i> , 2005, 70, 1389-1399.	3.2	74
9	Microwave-Assisted Oxidative Aromatization of Hantzsch 1,4-Dihydropyridines using Manganese Dioxide. <i>Synthesis</i> , 2006, 2006, 1283-1288.	2.3	74
10	Total synthesis of (+)-nostocyclamide. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1998, , 601-608.	0.9	65
11	Microwave-Assisted Ullmann C-S Bond Formation: Synthesis of the P38 $\beta$ MAPK Clinical Candidate VX-745. <i>Journal of Organic Chemistry</i> , 2009, 74, 8336-8342.	3.2	63
12	Recent developments in chemical reactivity of N,N-dimethylenamino ketones as synthons for various heterocycles. <i>RSC Advances</i> , 2017, 7, 14562-14610.	3.6	63
13	Highly Efficient Synthesis of Pyrimidines under Microwave-assisted Conditions. <i>Synlett</i> , 2003, 2003, 0259-0261.	1.8	61
14	Studies towards the synthesis of diazomamide A. Synthesis of the indole bis-oxazole fragment. <i>Tetrahedron Letters</i> , 2000, 41, 6897-6900.	1.4	60
15	Synthesis of tetrasubstituted pyridines by the acid-catalysed Bohlmann-Rahtz reaction. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002, , 1663-1671.	1.3	60
16	The Role of Cellular Senescence in Werner Syndrome: Toward Therapeutic Intervention in Human Premature Aging. <i>Annals of the New York Academy of Sciences</i> , 2007, 1100, 455-469.	3.8	59
17	A New Modification of the Bohlmann-Rahtz Pyridine Synthesis. <i>Synlett</i> , 2001, 2001, 1149-1151.	1.8	56
18	A new one-step synthesis of pyridines under microwave-assisted conditions. <i>Tetrahedron Letters</i> , 2002, 43, 8331-8334.	1.4	55

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19	Regioselective Microwave-Assisted Synthesis of Substituted Pyrazoles from Ethynyl Ketones. <i>Synlett</i> , 2007, 2007, 0704-0708.	1.8	52
20	A new and highly expedient synthesis of pyrido[2,3-d]pyrimidines. <i>Tetrahedron Letters</i> , 2001, 42, 6585-6588.	1.4	51
21	One-Pot Synthesis of Pyridines or Pyrimidines by Tandem Oxidation-Heteroannulation of Propargylic Alcohols. <i>Synlett</i> , 2003, 2003, 1443-1446.	1.8	51
22	Barium manganate in microwave-assisted oxidation reactions: synthesis of solvatochromic 2,4,6-triarylpyrimidines. <i>Tetrahedron Letters</i> , 2009, 50, 6818-6822.	1.4	51
23	The first synthesis of promothiocin A. <i>Chemical Communications</i> , 1998, , 2049-2050.	4.1	48
24	A new mild method for the one-pot synthesis of pyridines. <i>Tetrahedron Letters</i> , 2004, 45, 6121-6124.	1.4	47
25	Studies towards the synthesis of diazamide A. Synthesis of the 4-(oxazol-5-ylmethyl) aryltryptamine fragment. <i>Tetrahedron Letters</i> , 2000, 41, 6901-6904.	1.4	46
26	Microwave-Assisted Multicomponent Reactions for the Synthesis of Heterocycles. <i>Topics in Heterocyclic Chemistry</i> , 2006, , 31-58.	0.2	46
27	Continuous flow processing from microreactors to mesoscale: the Bohlmann-Rahtz cyclodehydration reaction. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2245.	2.8	43
28	The diazo route to diazamide A: studies on the tyrosine-derived fragment. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 3805.	2.8	38
29	Rapid synthesis of VX-745: p38 MAP kinase inhibition in Werner syndrome cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 5107-5110.	2.2	38
30	Diterpenoids of terrestrial origin. <i>Natural Product Reports</i> , 2019, 36, 1499-1512.	10.3	38
31	One-step synthesis of pyridines and dihydropyridines in a continuous flow microwave reactor. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 1957-1968.	2.2	36
32	Synthesis of Pyridines and Pyrido[2,3-d]pyrimidines by the Lewis Acid Catalysed Bohlmann-Rahtz Heteroannulation Reaction. <i>Synlett</i> , 2001, 2001, 1523-1526.	1.8	35
33	Rapid Ullmann-type synthesis of aryl sulfides using a copper(I) catalyst and ligand under microwave irradiation. <i>Tetrahedron Letters</i> , 2009, 50, 3661-3664.	1.4	34
34	Synthesis of Dimethyl Sulfomycinamate. <i>Organic Letters</i> , 2003, 5, 4421-4424.	4.6	33
35	Barium manganate in microwave-assisted oxidation reactions: synthesis of lactones by oxidative cyclization of diols. <i>Tetrahedron Letters</i> , 2009, 50, 6823-6825.	1.4	33
36	Regiocontrolled synthesis of 3- and 5-aminopyrazoles, pyrazolo[3,4-d]pyrimidines, pyrazolo[3,4-b]pyridines and pyrazolo[3,4-b]quinolinones as MAPK inhibitors. <i>Tetrahedron</i> , 2013, 69, 8429-8438.	1.9	33

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37	Stereoselective Synthesis of the $\hat{\text{I}}^3$ -Lactam Hydrolysate of the Thiopeptide Cyclothiazomycin. <i>Organic Letters</i> , 2004, 6, 3401-3404.	4.6	32
38	Synthesis and in vivo activity of MK2 and MK2 substrate-selective p38 $\hat{\text{I}}^{\pm}$ MAPK inhibitors in Werner syndrome cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 6832-6835.	2.2	31
39	A New Route to Functionalised Oxazoles. <i>Synlett</i> , 1996, 1996, 825-826.	1.8	30
40	Rapid synthesis of 3-cyanopyridine-derived chromophores with two-dimensional tunability and solvatochromic photophysical properties. <i>Chemical Communications</i> , 2009, , 5165.	4.1	30
41	An efficient synthetic route to biologically relevant 2-phenylbenzothiazoles substituted on the benzothiazole ring. <i>Tetrahedron</i> , 2011, 67, 7743-7747.	1.9	30
42	A Facile Solution Phase Combinatorial Synthesis of Tetrasubstituted Pyridines Using the Bohlmann-Rahtz Heteroannulation Reaction. <i>ACS Combinatorial Science</i> , 2003, 5, 41-44.	3.3	29
43	Use of p38 MAPK Inhibitors for the Treatment of Werner Syndrome. <i>Pharmaceuticals</i> , 2010, 3, 1842-1872.	3.8	29
44	First synthesis of an amythiamicin pyridine cluster. Electronic supplementary information (ESI) available: experimental details. See <a href="http://www.rsc.org/suppdata/cc/b3/b310944e/">http://www.rsc.org/suppdata/cc/b3/b310944e/</a> . <i>Chemical Communications</i> , 2004, , 102.	4.1	28
45	Simple Microwave-Assisted Method for the Synthesis of Primary Thioamides from Nitriles. <i>Synlett</i> , 2004, 2004, 2615-2617.	1.8	26
46	Microwave-assisted synthesis of 5-aminopyrazol-4-yl ketones and the p38MAPK inhibitor RO3201195 for study in Werner syndrome cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 3745-3748.	2.2	25
47	Asymmetric synthesis of 1-azaspiro[4.5]decanes via intramolecular dipolar cycloaddition of nitrones containing the bornane-10,2-sultam chiral auxiliary. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 2625-2633.	1.8	22
48	Synthesis of the highly selective p38 MAPK inhibitor UR-13756 for possible therapeutic use in Werner syndrome. <i>Future Medicinal Chemistry</i> , 2010, 2, 193-201.	2.3	22
49	Studies on Thiopeptide Antibiotics: Synthesis of an Oxazole-Thiazole-Pyridine Fragment related to Promothiocin A. <i>Synlett</i> , 1998, 1998, 361-362.	1.8	21
50	Iodine-Catalysed Bohlmann-Rahtz Cyclodehydration Reactions. <i>Synlett</i> , 2005, 2005, 649-651.	1.8	20
51	Microwave-assisted synthesis of 3-aminobenzo[b]thiophene scaffolds for the preparation of kinase inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6814-6824.	2.8	20
52	Microwave-assisted Synthesis of 5-Deaza-5,8-dihydropterins. <i>Synlett</i> , 2002, 2002, 1718-1720.	1.8	19
53	New N-Halosuccinimide-Mediated Reactions for the Synthesis of Pyridines. <i>Synlett</i> , 2004, 2004, 0811-0814.	1.8	19
54	Evaluating the Role of p38 MAPK in the Accelerated Cell Senescence of Werner Syndrome Fibroblasts. <i>Pharmaceuticals</i> , 2016, 9, 23.	3.8	18

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55	Evaluating the role of p38 MAP kinase in growth of Werner syndrome fibroblasts. <i>Annals of the New York Academy of Sciences</i> , 2010, 1197, 45-48.	3.8	16
56	Small Molecule Inhibition of p38 MAP Kinase Extends the Replicative Life Span of Human ATR-Seckel Syndrome Fibroblasts. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013, 68, 1001-1009.	3.6	16
57	Total Synthesis of (+)-Nostocyclamide. <i>Synlett</i> , 1996, 1996, 1171-1172.	1.8	15
58	Diastereoselective synthesis of cis-2,5-disubstituted pyrrolidine N-oxides by the retro-Cope elimination. <i>Tetrahedron Letters</i> , 2001, 42, 351-353.	1.4	15
59	Microwave-assisted Ullmann-Buchwald C-S bond formation using a copper(I) catalyst and trans-cyclohexane-1,2-diol as ligand. <i>Arkivoc</i> , 2013, 2012, 294-313.	0.5	14
60	Synthesis of methyl sulfomycin, sulfomycinic amide and sulfomycinine, degradation products of the sulfomycin thiopeptide antibiotics. <i>Tetrahedron</i> , 2006, 62, 66-72.	1.9	13
61	Holzappel-Meyers-Nicolaou Modification of the Hantzsch Thiazole Synthesis. <i>Synthesis</i> , 2007, 2007, 3535-3541.	2.3	13
62	Rapid Ring-Opening Reactions of Epoxides using Microwave Irradiation. <i>Synthetic Communications</i> , 2008, 38, 205-211.	2.1	13
63	Effect of flecainide derivatives on sarcoplasmic reticulum calcium release suggests a lack of direct action on the cardiac ryanodine receptor. <i>British Journal of Pharmacology</i> , 2016, 173, 2446-2459.	5.4	13
64	Recent Synthetic Approaches to N,N-Dimethyl- $\beta$ -Ketoenamines. <i>Current Organic Chemistry</i> , 2017, 21, .	1.6	13
65	Rapid and Convenient Thermal or Microwave-Assisted Synthesis of Substituted 2-Phenylbenzothiazoles. <i>Synthetic Communications</i> , 2010, 40, 3027-3032.	2.1	12
66	The effect of small-molecule inhibition of MAPKAPK2 on cell ageing phenotypes of fibroblasts from human Werner syndrome. <i>Chemistry Central Journal</i> , 2013, 7, 18.	2.6	12
67	Selective targeting of the $\beta$ -C and DFG-out pocket in p38 MAPK. <i>European Journal of Medicinal Chemistry</i> , 2020, 208, 112721.	5.5	12
68	The Stereochemistry of Micrococin P1 Reinvestigated. <i>Journal of Antibiotics</i> , 2004, 57, 829-831.	2.0	11
69	Bohlmann-Rahtz Cyclodehydration of Aminodienones to Pyridines Using N-Iodosuccinimide. <i>Molecules</i> , 2010, 15, 3211-3227.	3.8	11
70	The effect of RO3201195 and a pyrazolyl ketone P38 MAPK inhibitor library on the proliferation of Werner syndrome cells. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 947-956.	2.8	11
71	A new one-pot three-component condensation reaction for the synthesis of 5-deaza-5,8-dihydropterins. <i>Chemical Communications</i> , 2001, , 2438-2439.	4.1	10
72	Synthesis of saramycetic acid. <i>Tetrahedron Letters</i> , 2007, 48, 7027-7030.	1.4	10

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73	Microwave-assisted synthesis and complexation of luminescent cyanobipyridyl-zinc(ii) bis(thiolate) complexes with intrinsic and ancillary photophysical tunability. Dalton Transactions, 2010, 39, 3163.	3.3	10
74	Unlocking the Chemotherapeutic Potential of $\alpha$ -Aminovinyl Ketones and Related Compounds. ChemMedChem, 2009, 4, 1043-1050.	3.2	9
75	Gram-scale synthesis of the p38 MAPK-inhibitor VX-745 for preclinical studies into Werner syndrome. Future Medicinal Chemistry, 2010, 2, 1417-1427.	2.3	9
76	Microwave-Assisted Synthesis of a MK2 Inhibitor by Suzuki-Miyaura Coupling for Study in Werner Syndrome Cells. Pharmaceuticals, 2015, 8, 257-276.	3.8	9
77	Promising antimicrobial agents: Synthetic approaches to novel tricyclic and tetracyclic pyrimidinones with antimicrobial properties. Journal of Heterocyclic Chemistry, 2010, 47, 1162-1170.	2.6	8
78	Microwave-assisted synthesis of a pyrazolyl ketone library for evaluation as p38 MAPK inhibitors in Werner syndrome cells. Future Medicinal Chemistry, 2010, 2, 203-213.	2.3	8
79	Microwave-Assisted Bohlmann-Rahtz Synthesis of Highly Substituted 2-Aminonicotines. Synlett, 2016, 27, 1728-1732.	1.8	8
80	Synthesis and biological evaluation of benzodiazepines containing a pentafluorosulfonyl group. Tetrahedron, 2021, 85, 132020.	1.9	8
81	Ageing science, health care and social inclusion of older people. Quality in Ageing and Older Adults, 2011, 12, 11-16.	0.8	7
82	Investigating the role of c-Jun N-terminal kinases in the proliferation of Werner syndrome fibroblasts using diaminopyridine inhibitors. Chemistry Central Journal, 2011, 5, 83.	2.6	7
83	Novel Phenylazo Derivatives of Condensed and Uncondensed Thiophene. Synthesis, Characterization, and Antimicrobial Studies. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2011, 66, 585-596.	0.7	7
84	Rapid Protium-Deuterium Exchange of 4-Aminopyridines in Neutral D <sub>2</sub> O under Microwave Irradiation. Synlett, 2016, 27, 2467-2472.	1.8	7
85	Expanding the Repertoire of Low-Molecular-Weight Pentafluorosulfonyl-Substituted Scaffolds. ChemMedChem, 2022, 17, e202100641.	3.2	6
86	Convergent Synthesis of the Central Heterocyclic Domain of Micrococin P1. Synlett, 2007, 2007, 0954-0958.	1.8	5
87	The contribution of biogerontology to quality ageing. Quality in Ageing and Older Adults, 2011, 12, 26-32.	0.8	4
88	Genotoxicity and Epigenotoxicity of Carbazole-Derived Molecules on MCF-7 Breast Cancer Cells. International Journal of Molecular Sciences, 2021, 22, 3410.	4.1	4
89	One or Two-Step Bohlmann-Rahtz Heteroannulation of 6-Aminouracil Derivatives for the Synthesis of Pyrido[2,3-d]pyrimidines. Synlett, 2002, 2002, 1332-1334.	1.8	3
90	Solvent free synthesis of core-functionalised naphthalene diimides using a vibratory ball mill: Suzuki, Sonogashira and Buchwald-Hartwig reactions. Chemistry - A European Journal, 0, , .	3.3	3

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91	One-Pot Synthesis of Pyridines or Pyrimidines by Tandem Oxidation-Heteroannulation of Propargylic Alcohols.. ChemInform, 2003, 34, no.	0.0	1
92	An unusual picoline derivative from the trifluoroacetylation of thiostrepton. Journal of Heterocyclic Chemistry, 2007, 44, 1281-1285.	2.6	1
93	A New One-Step Synthesis of Pyridines under Microwave-Assisted Conditions.. ChemInform, 2003, 34, no.	0.0	0
94	Microwave-Assisted Synthesis of 5-Deaza-5,8-dihydropterins.. ChemInform, 2003, 34, no.	0.0	0
95	Highly Efficient Synthesis of Pyrimidines under Microwave-Assisted Conditions.. ChemInform, 2003, 34, no.	0.0	0
96	New N-Halosuccinimide-Mediated Reactions for the Synthesis of Pyridines.. ChemInform, 2004, 35, no.	0.0	0
97	A New Mild Method for the One-Pot Synthesis of Pyridines.. ChemInform, 2004, 35, no.	0.0	0
98	Simple Microwave-Assisted Method for the Synthesis of Primary Thioamides from Nitriles.. ChemInform, 2005, 36, no.	0.0	0
99	Iodine-Catalyzed Bohlmann-Rahtz Cyclodehydration Reactions.. ChemInform, 2005, 36, no.	0.0	0
100	New Approaches Towards Inhibitors of Folate-Dependent Enzymes: Rapid Synthesis of 5-Deazapterins From Uracil Derivatives. , 2002, , 415-420.		0
101	Chemistry of $\alpha$ -(aryldiazo)- $\beta$ -ketoaldehydes: Preparation and Chemical Reactivities. Current Organic Chemistry, 2019, 22, 2599-2633.	1.6	0