Charles M Marson

List of Publications by Year
in descending order

103 papers	2,913 citations	236925 25 h-index	197818 49 g-index
122 all docs	122 docs citations	122 times ranked	3293 citing authors

#	Article	IF	Citations
1	New and unusual scaffolds in medicinal chemistry. Chemical Society Reviews, 2011, 40, 5514.	38.1	310
2	Multicomponent and sequential organocatalytic reactions: diversity with atom-economy and enantiocontrol. Chemical Society Reviews, 2012, 41, 7712.	38.1	224
3	Reactions of carbonyl compounds with (monohalo) methyleniminium salts (vilsmeier reagents). Tetrahedron, 1992, 48, 3659-3726.	1.9	216
4	Thiostrepton selectively targets breast cancer cells through inhibition of forkhead box M1 expression. Molecular Cancer Therapeutics, 2008, 7, 2022-2032.	4.1	206
5	Pyrylium Mediated Transformations of Primary Amino Groups into Other Functional Groups. New Synthetic Methods (41). Angewandte Chemie International Edition in English, 1984, 23, 420-429.	4.4	132
6	Stereoselective construction of quaternary centers at ambient temperature by the highly stereocontrolled migration of groups containing sp-, sp2-, and sp3-hybridized carbon atoms. Journal of Organic Chemistry, 1993, 58, 5944-5951.	3.2	79
7	Histone Deacetylase Inhibitors: Design, Structure-Activity Relationships and Therapeutic Implications for Cancer. Anti-Cancer Agents in Medicinal Chemistry, 2009, 9, 661-692.	1.7	65
8	Preferential induction of apoptosis of leukaemic cells by farnesol. FEBS Letters, 2000, 467, 291-295.	2.8	53
9	Discovery of Potent, Isoform-Selective Inhibitors of Histone Deacetylase Containing Chiral Heterocyclic Capping Groups and a N-(2-Aminophenyl)benzamide Binding Unit. Journal of Medicinal Chemistry, 2013, 56, 6156-6174.	6.4	53
10	Targeting the Histamine H₄ Receptor. Chemical Reviews, 2011, 111, 7121-7156.	47.7	51
11	Potent and Selective Inhibitors of Histone Deacetylase-3 Containing Chiral Oxazoline Capping Groups and a N-(2-Aminophenyl)-benzamide Binding Unit. Journal of Medicinal Chemistry, 2015, 58, 6803-6818.	6.4	48
12	The azulene ring as a structural element in liquid crystals. Journal of Materials Chemistry, 1997, 7, 391-401.	6.7	45
13	A catalytic asymmetric protocol for the enantioselective synthesis of 3(2H)-furanones. Chemical Communications, 2007, , 2494.	4.1	39
14	Oxygen-Directed Carbocyclizations of Epoxides. Tetrahedron, 2000, 56, 8779-8794.	1.9	38
15	Stereoselective syntheses of substituted 5,6-dihydro-2(1H)-pyridinones in polyphosphate media. Journal of Organic Chemistry, 1994, 59, 291-296.	3.2	37
16	2-(4-Pyridyl)ethyl as a protective group for sulfur functionality. Journal of Organic Chemistry, 1986, 51, 4914-4920.	3.2	36
17	Synthesis of a dodecahydro-18,21-dioxoniakekulene. Journal of the American Chemical Society, 1983, 105, 3279-3283.	13.7	35
18	Reversal of enantioselectivity using catalysts containing multiple stereogenic centres. Tetrahedron: Asymmetry, 2001, 12, 1547-1550.	1.8	33

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19	Production of malodorous steroids from androsta-5,16-dienes and androsta-4,16-dienes by Corynebacteria and other human axillary bacteria. Journal of Steroid Biochemistry and Molecular Biology, 2003, 87, 327-336.	2.5	33
20	Stereocontrolled construction of condensed .gamma.-lactam ring systems by cationic cyclizations. Rearrangement of a .gamma.-lactam to a .delta.-lactam. Journal of Organic Chemistry, 1994, 59, 284-290.	3.2	32
21	Targeting TAO Kinases Using a New Inhibitor Compound Delays Mitosis and Induces Mitotic Cell Death in Centrosome Amplified Breast Cancer Cells. Molecular Cancer Therapeutics, 2017, 16, 2410-2421.	4.1	32
22	Stereocontrolled Routes to Bridged Ethers by Tandem Cyclizations. Angewandte Chemie - International Edition, 1998, 37, 1122-1124.	13.8	29
23	Stereocontrolled syntheses of hydroxylated tricyclic systems by a new annulation of 2-cyclohexen-1-one. Tetrahedron, 1991, 47, 5491-5506.	1.9	28
24	Effects of a selection of histone deacetylase inhibitors on mast cell activation and airway and colonic smooth muscle contraction. International Immunopharmacology, 2008, 8, 1793-1801.	3.8	28
25	Construction of polyfunctionalized seven-membered rings by the cyclization of 2,3-epoxy alcohols. Tetrahedron Letters, 1995, 36, 7145-7148.	1.4	26
26	Catalytic Isomerization of 1-Alkynyl-2,3-epoxy Alcohols to Substituted Furans:â€‰ Succinct Routes to Furanoid Fatty Acids and Difurylmethanes. Journal of Organic Chemistry, 1998, 63, 9223-9231.	3.2	26
27	The first enantioselective syntheses of vicinal difluoropyrrolidines and the first catalytic asymmetric synthesis mediated by the C2 symmetry of a â€“CHFCHFâ€“ unit. Chemical Communications, 1998, , 1223-1224.	4.1	25
28	A distal regulatory region of a class I human histone deacetylase. Nature Communications, 2020, 11, 3841.	12.8	25
29	Pyryliumsalze als Zwischenstufen bei der Umwandlung von NH₂â€Gruppen in andere funktionelle Gruppen. Angewandte Chemie, 1984, 96, 403-413.	2.0	24
30	An Asymmetric Synthesis of Aza Analogues of the Tricyclic Skeleton of Daphnane and the ABC Ring System of Phorbol. Journal of Organic Chemistry, 2003, 68, 792-798.	3.2	24
31	Enantioselective Syntheses oftrans-3,4-Difluoropyrrolidines and Investigation of Their Applications in Catalytic Asymmetric Synthesisâ€. Journal of Organic Chemistry, 2005, 70, 9771-9779.	3.2	24
32	Stereospecific Synthesis of 2,3-Dihydro-4H-pyran-4-ones by Hg(II)- Catalyzed Rearrangement of 1-Alkynyl-2,3-epoxy Alcohols. Journal of Organic Chemistry, 1998, 63, 3798-3799.	3.2	23
33	Asymmetric synthesis using catalysts containing multiple stereogenic centres and a trans-1,2-diaminocyclohexane core; reversal of predominant enantioselectivity upon N-alkylation. Tetrahedron, 2005, 61, 1269-1279.	1.9	23
34	Stereoselective syntheses of substituted .gamma.-lactams from 3-alkenamides. Journal of Organic Chemistry, 1991, 56, 2603-2605.	3.2	22
35	Preparation of Î³- and Î´-lactams by ring closure of Î²,Î³-unsaturated amides using trifluoromethanesulfonic acid. Tetrahedron Letters, 1994, 35, 293-296.	1.4	22
36	Convergent stereocontrolled construction of 5-7-6 tricyclic aza analogues of phorbol and aconite alkaloids. Tetrahedron Letters, 1995, 36, 8107-8110.	1.4	22

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37	Synthesis of polysubstituted thiophenes by a catalytic cyclisation of functionalised episulfides. Tetrahedron Letters, 1997, 38, 7785-7788.	1.4	22
38	Aromatic Sulfide Inhibitors of Histone Deacetylase Based on Arylsulfinyl-2,4-hexadienoic Acid Hydroxyamides. Journal of Medicinal Chemistry, 2006, 49, 800-805.	6.4	22
39	Saturated Heterocycles with Applications in Medicinal Chemistry. Advances in Heterocyclic Chemistry, 2017, 121, 13-33.	1.7	22
40	Oxidative formylation and chloromethylation in Vilsmeier reactions of O- and S-heterocyclic ketones. Tetrahedron, 1991, 47, 1303-1310.	1.9	21
41	Stereocontrolled syntheses of substituted unsaturated .delta.-lactams from 3-alkenamides. Journal of Organic Chemistry, 1992, 57, 5045-5047.	3.2	21
42	Amide catalysts with tetradentate ligands and the asymmetric transfer hydrogenation of carbonyl compounds. Tetrahedron Letters, 2000, 41, 8999-9003.	1.4	21
43	Synthesis, linear dichroism and mesogenic properties of substituted azulenes. Journal of Materials Chemistry, 1993, 3, 327.	6.7	20
44	Regiocontrolled synthesis of furans by a mercury(II) catalysed isomerisation of 1-alkynyl-2,3-epoxyalcohols. Journal of the Chemical Society Chemical Communications, 1994, , 1879.	2.0	20
45	.alpha.-Lithiation of N-alkylcarbazoles: preparation of N-(E)-styrylcarbazole. Journal of Organic Chemistry, 1985, 50, 1351-1355.	3.2	19
46	Reactions of 2-cyclohexen-1-ones and cyclohexane-1,3-diones with chloro methylene iminium salts. Journal of Organic Chemistry, 1987, 52, 2726-2730.	3.2	19
47	Pteridine-2,4-diamine derivatives as radical scavengers and inhibitors of lipoxygenase that can possess anti-inflammatory properties. Future Medicinal Chemistry, 2015, 7, 1937-1951.	2.3	19
48	Reactions of alkyl-substituted 2-cyclohexen-1-ones with Vilsmeier reagents. Journal of Organic Chemistry, 1987, 52, 2730-2734.	3.2	18
49	Convenient Syntheses of Chiral Cyclic Sulfinates (Sultines) from Unsaturated Alcohols. Journal of Organic Chemistry, 1995, 60, 8067-8073.	3.2	18
50	Construction of functionalised medium rings by stereospecific expansions of 2,3-epoxy alcohols under mild conditions. Tetrahedron Letters, 2002, 43, 6637-6640.	1.4	18
51	Stereodefined and polyunsaturated inhibitors of histone deacetylase based on (2E,4E)-5-arylpenta-2,4-dienoic acid hydroxyamides. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 2477-2481.	2.2	18
52	Synthesis of hydroxymethyl lactones and spiroketals via cyclization of epoxy oxacarbene complexes. Tetrahedron Letters, 1994, 35, 6717-6720.	1.4	17
53	Synthesis of the first monoaromatic B-ring 13-azasteroid ring system by sequential angular annulation. Tetrahedron, 2003, 59, 10019-10023.	1.9	17
54	A sequential stereocontrolled cyclopropane ring formation and semi-pinacol rearrangement. Tetrahedron Letters, 2003, 44, 141-143.	1.4	17

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55	Structureâ€“activity relationships of aryloxyalkanoic acid hydroxyamides as potent inhibitors of histone deacetylase. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 136-141.	2.2	17
56	A stable 3-methylene-1,4-cyclohexadiene: a non-aromatic tautomer of a simple benzene. Tetrahedron Letters, 1985, 26, 4715-4718.	1.4	16
57	Oxidative formylation and chloromethylation as alternative pathways to chloroformylation in the reaction of O- and Sheterocyclic ketones with dimethylformamide-phosphorus oxychloride. Tetrahedron Letters, 1990, 31, 5227-5230.	1.4	16
58	Convergent, stereocontrolled routes to hydroxylated tricyclic systems: a new annulation of 2-cyclohexen-1-one. Journal of the Chemical Society Chemical Communications, 1990, , 1516.	2.0	16
59	Comparative study of the13C nuclear magnetic resonance shifts of carbonyl and thiocarbonyl compounds. Magnetic Resonance in Chemistry, 1988, 26, 665-670.	1.9	15
60	Efficient routes to cyclic 2,3-epoxyalcohols from cycloalkenyl ketones, via cycloalkenyl alcohols. Tetrahedron, 1993, 49, 10317-10338.	1.9	15
61	Lewis acid mediated reactions of 2,3-epoxyalcohols: an efficient stereocontrolled route to polycyclic diols. Tetrahedron, 1993, 49, 10339-10354.	1.9	15
62	Pyridylethyl: A versatile protecting group. Part II. The protection of heterocyclic Nâ€H groups. Journal of Heterocyclic Chemistry, 1987, 24, 641-644.	2.6	14
63	Synthesis of the penta-oxazole core of telomestatin in a convergent approach to poly-oxazole macrocycles. Organic and Biomolecular Chemistry, 2006, 4, 3892.	2.8	14
64	Synthesis Using Vilsmeier Reagents. , 0, , .		14
65	Tin (IV)-Mediated Stereoselective Synthesis of Epoxides with Concomitant Alkyl Peroxide Formation. Tetrahedron Letters, 1995, 36, 5979-5982.	1.4	12
66	Total synthesis of the naturally occurring furanoid fatty acid, F5. Tetrahedron Letters, 1998, 39, 333-334.	1.4	12
67	Stereocontrolled Formation of Epoxy Peroxide FunctionalityAppended to a Lactam Ring. Journal of Organic Chemistry, 2001, 66, 4771-4775.	3.2	12
68	Cyclic acid anhydrides as a new class of potent, selective and non-peptidic inhibitors of geranylgeranyl transferase. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 255-259.	2.2	12
69	Stereocontrolled syntheses of novel cyclic sulfinates using N-sulfinyl-p-toiuenesulfonamide. Journal of the Chemical Society Chemical Communications, 1993, , 1195.	2.0	11
70	Oxygen-Directed Carbocyclizations of 2,3-Epoxy Alcohols:â€‰ Stereoselective Construction of Polyfunctionalized Seven-Membered Rings by 7-Endo-Tet Ring Closures. Journal of Organic Chemistry, 1998, 63, 7833-7839.	3.2	11
71	Three-component condensations of aldehydes with N-methoxycarboxamides. Tetrahedron Letters, 2004, 45, 9007-9010.	1.4	11
72	New liquid crystalline compounds based on 1,4-diarylbuta-1,3-dienes. Journal of the Chemical Society Chemical Communications, 1992, , 410.	2.0	10

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73	Catalytic C-amidoalkylations: synthesis of Î²-amido aldehydes by three-component condensations. Chemical Communications, 1998, , 83-84.	4.1	10
74	Discovery of a structurally novel, drug-like and potent inhibitor of peptidylarginine deiminase. MedChemComm, 2013, 4, 1109.	3.4	10
75	Potent non-hydroxamate inhibitors of histone deacetylase-8: Role and scope of an isoindolin-2-yl linker with an Î±-amino amide as the zinc-binding unit. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 126926.	2.2	10
76	The non-chain radicaloid c-alkylation of nitronate anions: further evidence for the mechanism. Tetrahedron, 1986, 42, 101-108.	1.9	9
77	Enynone dihydroxylationâ€“cyclisation as a route to densely functionalised 3(2H)-furanone derivatives: an approach to the core of the zaragozic acids. Tetrahedron, 2013, 69, 6639-6647.	1.9	9
78	A biomimetic synthesis of the pyrrolizidine ring by sequential intramolecular cyclizations. Tetrahedron Letters, 2000, 41, 127-129.	1.4	8
79	Monocyclic Quinone Structureâ€Activity Patterns: Synthesis of Catalytic Inhibitors of Topoisomerase II with Potent Antiproliferative Activity. ChemMedChem, 2020, 15, 114-124.	3.2	8
80	Synthesis and mesogenic properties of 3,6-disubstituted cyclohex-2-en-1-ones. Journal of Materials Chemistry, 1996, 6, 747.	6.7	7
81	Regioselective 2H-3,6-dihydropyran synthesis with tandem oxo-ene formalism. Tetrahedron Letters, 1997, 38, 9057-9060.	1.4	7
82	Synthesis of Î³-hydroxy Î±,Î²-unsaturated amides by base-induced isomerization of epoxy amides. Tetrahedron, 1998, 54, 9613-9622.	1.9	7
83	PREPARATION OF 3Î±-FLUORO- AND 3Î²-FLUORO DERIVATIVES OF 5Î±-ANDROST-16-ENES AND ANDROSTA-5,16-DIENES. Synthetic Communications, 2002, 32, 2125-2135.	2.1	7
84	Preparation of 3,17â€•and 3,20â€Difluoroâ€Derivatives of the Androstâ€5â€ene and Pregnâ€5â€ene Series. Synthetic Communications, 2004, 34, 4369-4385.	2.1	7
85	Regioselective synthesis of substituted piperidine-2,4-diones and their derivatives via Dieckmann cyclisations. Tetrahedron, 2015, 71, 7459-7469.	1.9	7
86	Studies in vilsmeier chemistry, V. Vilsmeier reactions of 2â€alkylâ€2â€cyclohexenâ€1â€ones: A novel route to dihydrobenzaldehydes, the formation of allyl alcohols as byâ€products, and the Xâ€ray crystallographic structure of 3â€chloroâ€2â€methylâ€2â€cyclohexenâ€1â€ol. Chemische Berichte, 1988, 121, 999-1003.	0.2	6
87	Formation of .sigma. and .pi. or charge-transfer complexes from pyridinium cations. Journal of Organic Chemistry, 1986, 51, 2481-2485.	3.2	5
88	A highly efficient enzymic route to novel chiral liquid crystals based on 3-aryl-2-cycloalken-1-ones. Journal of the Chemical Society Chemical Communications, 1994, , 2305.	2.0	5
89	SYNTHESIS OF EXOCYCLIC ENAMIDES VIA STEREOCONTROLLED ALLYLIC ISOMERIZATION AND 1,3-TRANSPOSITION. Synthetic Communications, 2001, 31, 1753-1764.	2.1	5
90	Syntheses of Enantiopure 3,4-Diamino-1-Substituted Pyrrolidines. Synthesis, 2006, 2006, 247-256.	2.3	5

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91	Synthesis of (3S,3Sâ€²,4S,4Sâ€²)-1,1â€²-ethylenedipyrrolidine-3,3â€²,4,4â€²-tetraol and related diamino diols: donorâ€“acceptor hydrogen-bonding motifs of the C2 symmetric 3,4-dihydroxypyrrolidine unit. Tetrahedron: Asymmetry, 2005, 16, 2799-2809.	1.8	4
92	Kinetics and mechanisms of nucleophilic displacements with heterocycles as leaving groups. Part 13. Penta- and nona-cyclic derivatives. Journal of the Chemical Society Perkin Transactions II, 1983, , 1455.	0.9	3
93	The synthesis of some highly strained pyrylium and N-benzylpyridinium salts and kinetics of their reactions with piperidine. Journal of the Chemical Society Perkin Transactions 1, 1983, , 487.	0.9	3
94	Nucleophilic displacements of Nâ€aryl and heteroaryl groups. Part 8 . Intermolecular reactions of Nâ€arylâ€pyridinium, â€quinolinium, and â€acridinium salts with nucleophiles. Journal of Heterocyclic Chemistry, 1986, 23, 865-870.	2.6	3
95	Synthesis of heterocyclic molybdenum carbene complexes using haloalkyl-substituted epoxides. Journal of Organometallic Chemistry, 1995, 494, C12-C14.	1.8	3
96	Identification of the products of solvolysis of N-benzylpyridinium cations in the absence of nucleophiles. Journal of the Chemical Society Perkin Transactions II, 1986, , 1331.	0.9	2
97	The histone deacetylase inhibitor <scp>UCL</scp>67022 has potent activity in multiple myeloma and nonâ€<scp>H</scp>odgkin lymphoma preâ€clinical models. British Journal of Haematology, 2013, 163, 135-139.	2.5	2
98	A direct alkylation route to branched derivatives of suberoylanilide hydroxamic acid (SAHA), a potent non-selective inhibitor of histone deacetylases. Tetrahedron, 2016, 72, 8584-8592.	1.9	1
99	The Structural Elucidation of Oligomeric Blue Dyes Derived from 9â€Alkylcarbazoles. Israel Journal of Chemistry, 1986, 27, 111-116.	2.3	0
100	Stereodefined and Polyunsaturated Inhibitors of Histone Deacetylase Based on (2E,4E)-5-Arylpenta-2,4-dienoic Acid Hydroxyamides.. ChemInform, 2004, 35, no.	0.0	0
101	Three-Component Condensations of Aldehydes with N-Methoxycarboxamides.. ChemInform, 2005, 36, no.	0.0	0
102	Late-stage fluorination of bridged scaffolds: Chemoselective generation of a CHF group at three positions of the bicyclo[3.3.1]nonane system. Tetrahedron Letters, 2018, 59, 1226-1229.	1.4	0
103	A stepwise lactol carbocyclisation to bridged ethers via a ketoâ€“acetal cascade. Journal of Chemical Research, 2022, 46, 174751982210794.	1.3	0