Andrew Whiting

List of Publications by Year
in descending order

218 papers	6,822 citations	61984 43 h-index	88630 70 g-index
268 all docs	268 docs citations	268 times ranked	6070 citing authors

#	Article	IF	Citations
1	A critical appraisal of polymerâ€“clay nanocomposites. Chemical Society Reviews, 2008, 37, 568-594.	38.1	369
2	The Heckâ€“Mizoroki cross-coupling reaction: a mechanistic perspective. Organic and Biomolecular Chemistry, 2007, 5, 31-44.	2.8	278
3	The thermal and boron-catalysed direct amide formation reactions: mechanistically understudied yet important processes. Chemical Communications, 2010, 46, 1813-1823.	4.1	214
4	Role of the site of protonation in the low-energy decompositions of gas-phase peptide ions. Journal of the American Society for Mass Spectrometry, 1996, 7, 522-531.	2.8	166
5	Rationally designed, chiral Lewis acid for the asymmetric induction of some Diels-Alder reactions. Journal of the American Chemical Society, 1986, 108, 3510-3512.	13.7	164
6	Polyene natural products. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 999-1023.	1.3	158
7	To Catalyze or not to Catalyze? Insight into Direct Amide Bond Formation from Amines and Carboxylic Acids under Thermal and Catalyzed Conditions. Advanced Synthesis and Catalysis, 2006, 348, 813-820.	4.3	149
8	Asymmetric Direct Amide Synthesis by Kinetic Amine Resolution: A Chiral Bifunctional Aminoboronic Acid Catalyzed Reaction between a Racemic Amine and an Achiral Carboxylic Acid. Angewandte Chemie - International Edition, 2008, 47, 2673-2676.	13.8	144
9	Synthesis, evaluation and application of novel bifunctional N,N-di-isopropylbenzylamineboronic acid catalysts for direct amide formation between carboxylic acids and amines. Green Chemistry, 2008, 10, 124-134.	9.0	143
10	Synthesis of Aminoboronic Acids and Their Applications in Bifunctional Catalysis. Accounts of Chemical Research, 2009, 42, 756-768.	15.6	129
11	Catalytic upgrading of tri-glycerides and fatty acids to transport biofuels. Energy and Environmental Science, 2009, 2, 262-271.	30.8	121
12	The Uncatalyzed Direct Amide Formation Reaction â€“ Mechanism Studies and the Key Role of Carboxylic Acid Hâ€Bonding. European Journal of Organic Chemistry, 2011, 2011, 5981-5990.	2.4	102
13	Heck versus suzuki palladium catalysed cross-coupling of a vinylboronate ester with aryl halides.. Tetrahedron Letters, 1993, 34, 3599-3602.	1.4	100
14	A parallel combinatorial approach to locating homochiral Lewis acid catalysts for the asymmetric aza-Diels-Alder reaction of an imino dienophile. Tetrahedron Letters, 1998, 39, 8905-8908.	1.4	93
15	Mannichâ€“Michael versus formal aza-Dielsâ€“Alder approaches to piperidine derivatives. Organic and Biomolecular Chemistry, 2011, 9, 3105.	2.8	92
16	Intra-ionic interactions in electrosprayed peptide ions. International Journal of Mass Spectrometry and Ion Processes, 1997, 162, 149-161.	1.8	87
17	Catalytic methodologies for the Î²-boration of conjugated electron deficient alkenes. Organic and Biomolecular Chemistry, 2012, 10, 5485.	2.8	82
18	Mechanistic insights into boron-catalysed direct amidation reactions. Chemical Science, 2018, 9, 1058-1072.	7.4	82

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19	Interlayer Structure and Bonding in Nonswelling Primary Amine Intercalated Clays. Macromolecules, 2005, 38, 6189-6200.	4.8	73
20	UV/Visible spectroscopic studies of the effects of common salt and urea upon reactive dye solutions. Dyes and Pigments, 1999, 41, 137-142.	3.7	70
21	Mechanistic studies on the formal aza-Dielsâ€“Alder reactions of N-aryl imines: evidence for the non-concertedness under Lewis-acid catalysed conditions. Organic and Biomolecular Chemistry, 2004, 2, 2451-2460.	2.8	70
22	Synthesis and structure of potential Lewis acidâ€“Lewis base bifunctional catalysts: 2-N,N-Diisopropylaminophenylboronate derivatives. Journal of Organometallic Chemistry, 2005, 690, 4784-4793.	1.8	69
23	A New Design Strategy for Molecular Recognition in Heterogeneous Systems:Â A Universal Crystal-Face Growth Inhibitor for Barium Sulfate. Journal of the American Chemical Society, 2000, 122, 11557-11558.	13.7	67
24	Copper(II)-Catalyzed Room Temperature Aerobic Oxidation of Hydroxamic Acids and Hydrazides to Acyl-Nitroso and Azo Intermediates, and Their Dielsâ€“Alder Trapping. Organic Letters, 2011, 13, 3442-3445.	4.6	62
25	Synthesis of some polymerisable fluorescent dyes. Dyes and Pigments, 2002, 55, 123-132.	3.7	60
26	A Catalytic Aldol Reaction and Condensation through Inâ€…Situ Boron â€œAteâ€•Complex Enolate Generation in Water. Angewandte Chemie - International Edition, 2008, 47, 768-770.	13.8	59
27	Highly Enantioâ€•and Diastereoselective Synthesis of Î³â€Amino Alcohols from Î±,Î²â€‰Unsaturated Imines through a Oneâ€Pot Î²â€Boration/Reduction/Oxidation Sequence. Advanced Synthesis and Catalysis, 2011, 353, 376-384.	4.3	59
28	Direct Amidation of Amino Acid Derivatives Catalyzed by Arylboronic Acids: Applications in Dipeptide Synthesis. European Journal of Organic Chemistry, 2013, 2013, 5692-5700.	2.4	59
29	Evidence for the non-concerted [4+2]-cycloaddition of N-aryl imines when acting as both dienophiles and dienes under Lewis acid-catalysed conditions. Tetrahedron Letters, 2002, 43, 9633-9636.	1.4	58
30	Highly Stereoselective Palladium Catalysed Cross-Coupling Approaches to the Total Synthesis of Phthoxazolin A. Tetrahedron, 2000, 56, 5193-5204.	1.9	57
31	Synthesis and structure of potential Lewis acidâ€“Lewis base bifunctional catalysts: 1-N,N-dimethylamino-8-bononaphthalene derivatives. Journal of Organometallic Chemistry, 2003, 680, 257-262.	1.8	57
32	The development and application of ruthenium catalysed oxidations of a hydroxamic acid and in situ Dielsâ€“Alder trapping of the acyl nitroso derivative. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 2058-2064.	1.3	56
33	Synthesis and evaluation of synthetic retinoid derivatives as inducers of stem cell differentiation. Organic and Biomolecular Chemistry, 2008, 6, 3497.	2.8	56
34	Combined experimental and theoretical investigations of clayâ€“polymer nanocomposites: intercalation of single bifunctional organic compounds in Na+-montmorillonite and Na+-hectorite clays for the design of new materials. Journal of Materials Chemistry, 2003, 13, 2540-2550.	6.7	55
35	Synthesis of a bis-manganese water splitting complex. Journal of the Chemical Society Chemical Communications, 1994, , 2141.	2.0	53
36	Synthetic Retinoids: Structureâ€“Activity Relationships. Chemistry - A European Journal, 2009, 15, 11430-11442.	3.3	53

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37	Mechanistic Studies on the Heckâ^'Mizoroki Cross-Coupling Reaction of a Hindered Vinylboronate Ester as a Key Approach to Developing a Highly Stereoselective Synthesis of a C1â^'C7Z,Z,E-Triene Synthon for Viridenomycin. Journal of Organic Chemistry, 2007, 72, 2525-2532.	3.2	50
38	Diastereoselectivity in the aza-diels-alder reaction of a sulfonyl imino acetate with danishefsky's diene. Tetrahedron Letters, 1993, 34, 2379-2382.	1.4	48
39	Stereoselective synthesis of vinyl iodides from vinylboronate pinacol esters using ICl. Tetrahedron Letters, 1995, 36, 3929-3932.	1.4	47
40	The first example of enamineâ€"Lewis acid cooperative bifunctional catalysis: application to the asymmetric Aldol reaction. Chemical Communications, 2008, , 3879.	4.1	47
41	Synthesis of trans-arylvinylboronates via a palladium catalysed cross-coupling of a vinylboronate ester with aryl halides. Journal of Organometallic Chemistry, 1994, 482, 293-300.	1.8	46
42	A Convergent Stereoselective Total Synthesis of Racemic Phthoxazolin A. Organic Letters, 1999, 1, 1137-1139.	4.6	45
43	Intercalation and in situ polymerization of poly(alkylene oxide) derivatives within M+-montmorillonite (M = Li, Na, K). Journal of Materials Chemistry, 2006, 16, 1082.	6.7	45
44	Stereoselective synthesis of polyenes via heck coupling of vinylboronate esters. Tetrahedron Letters, 1995, 36, 3925-3928.	1.4	44
45	Synthesis and application of some polycondensable fluorescent dyes. Dyes and Pigments, 2002, 52, 137-143.	3.7	44
46	4,4,6-Trimethyl-2-vinyl-1,3,2-dioxaborinane: a superior 2-carbon building block for vinylboronate Heck couplings. Tetrahedron Letters, 2003, 44, 7645-7648.	1.4	43
47	Understanding Î±,Î²-Unsaturated Imine Formation from Amine Additions to Î±,Î²-Unsaturated Aldehydes and Ketones: An Analytical and Theoretical Investigation. Journal of Organic Chemistry, 2014, 79, 5163-5172.	3.2	43
48	Boron-substituted 1,3-dienes and heterodienes as key elements in multicomponent processes. Beilstein Journal of Organic Chemistry, 2014, 10, 237-250.	2.2	40
49	Recent Advances in Copper-Catalyzed Asymmetric Hydroboration of Electron-Deficient Alkenes: Methodologies and Mechanism. Synthesis, 2018, 50, 3843-3861.	2.3	40
50	A convenient preparation of Î²-boronate carbonyl derivatives. Evidence for the intervention of boronate â€œateâ€•complexes in enolate alkylations.. Tetrahedron Letters, 1991, 32, 1503-1506.	1.4	37
51	Î²-boronate carbonyl derivatives: Synthesis and evidence for the intervention of boronate â€œateâ€•complexes in enolate alkylations.. Tetrahedron, 1993, 49, 177-186.	1.9	37
52	Enhanced reduction of Câ€"N multiple bonds using sodium borohydride and an amorphous nickel catalyst. Organic and Biomolecular Chemistry, 2012, 10, 663-670.	2.8	36
53	Direct evidence for a ruthenium(iv) oxo complex-mediated oxidation of a hydroxamic acid in the presence of phosphine oxide donors. Chemical Communications, 2001, , 1812-1813.	4.1	35
54	A novel scandium ortho-methoxynitrosobenzene-dimer complex: mechanistic implications for the nitroso-Dielsâ€"Alder reaction. Chemical Communications, 2002, , 2072-2073.	4.1	35

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55	Catalytic 1,3â€Difunctionalisation of Organic Backbones through a Highly Stereoselective, Oneâ€Pot, Boron Conjugateâ€Addition/Reduction/Oxidation Process. Chemistry - A European Journal, 2011, 17, 14248-14257.	3.3	35
56	A Selective Transformation of Enals into Chiral Î³-Amino Alcohols. Organic Letters, 2013, 15, 4810-4813.	4.6	35
57	A solid-supported arylboronic acid catalyst for direct amidation. Chemical Communications, 2019, 55, 2916-2919.	4.1	35
58	A stereoselective synthesis of 1,6-diphenyl-1,3,5-hexatrienes utilising 4,4,6-trimethyl-2-vinyl-1,3,2-dioxaborinane as a two-carbon alkenyl building block. Organic and Biomolecular Chemistry, 2005, 3, 3167.	2.8	34
59	Synthesis of calixfuran macrocycles and evidence for gas-phase ammonium ion complexation. Journal of the Chemical Society Perkin Transactions 1, 1994, , 2881.	0.9	33
60	The control of remote asymmetric centres via reduction of acyclic carbonyl functions. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 1785-1805.	1.3	33
61	Non-isoprenoid polyene natural products â€“ structures and synthetic strategies. Organic and Biomolecular Chemistry, 2014, 12, 7877-7899.	2.8	33
62	What makes a neutral imino dieneophile undergo a thermal, non-catalysed, Diels-Alder reaction?. Tetrahedron, 1998, 54, 6035-6050.	1.9	32
63	Product identification and distribution from the oscillatory versus non-oscillatory palladium(II) iodide-catalysed oxidative carbonylation of phenylacetylene. Journal of Molecular Catalysis A, 2008, 284, 33-39.	4.8	32
64	Regioisomeric and Substituent Effects upon the Outcome of the Reaction of 1-Borodienes with Nitrosoarene Compounds. Journal of Organic Chemistry, 2015, 80, 6574-6583.	3.2	32
65	A (â^')-Sparteine-Directed Highly Enantioselective Synthesis of Boroproline. Solid- and Solution-State Structure and Properties. Journal of Organic Chemistry, 2007, 72, 6276-6279.	3.2	31
66	Synthesis of C2-symmetric aza- and azaoxa-macrocyclic ligands derived from (1R,2R)-1,2-diaminocyclohexane and their applications in catalysis. Dalton Transactions, 2003, , 2043-2052.	3.3	29
67	Synthesis and Structure of Planar Chiral, Bifunctional Aminoboronic Acid Ferrocene Derivatives. Organometallics, 2007, 26, 2414-2419.	2.3	29
68	Development of new transition metal catalysts for the oxidation of a hydroxamic acid with in situ Dielsâ€“Alder trapping of the acyl nitroso derivative. Dalton Transactions, 2007, , 2108-2111.	3.3	29
69	A multicomponent formal [1+2+1+2]-cycloaddition for the synthesis of dihydropyridines. Chemical Communications, 2012, 48, 4893.	4.1	29
70	Achieving pH and Qr oscillations in a palladium-catalysed phenylacetylene oxidative carbonylation reaction using an automated reactor system. Chemical Physics Letters, 2007, 435, 142-147.	2.6	28
71	Mechanistic Insights into Transition Metalâ€Catalysed Oxidation of a Hydroxamic Acid with in situ Dielsâ€“Alder Trapping of the Acyl Nitroso Derivative. Advanced Synthesis and Catalysis, 2008, 350, 869-882.	4.3	28
72	Stereoselective formation of 1,2-diiodoalkenes and their application in the stereoselective synthesis of highly functionalised alkenes via Suzuki and Stille coupling reactions. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 395-400.	1.3	27

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73	Synthesis and structure of bifunctional N-alkylbenzimidazole phenylboronate derivatives. Organic and Biomolecular Chemistry, 2006, 4, 3297.	2.8	27
74	Novel transformation of Î±,Î²-unsaturated aldehydes and ketones into Î³-amino alcohols or 1,3-oxazines via a 4 or 5 step, one-pot sequence. Chemical Communications, 2012, 48, 11401.	4.1	27
75	Studies on the asymmetric reduction of Î²-oximino methyl ether boronates: reagent control, double diastereocontrol and transmitted remote asymmetric induction. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 3362-3374.	1.3	26
76	The structure, modelling and dynamics of 2,7-diisopropoxy-1,8-diarylnaphthalenes. Perkin Transactions II RSC, 2002, , 1510-1519.	1.1	26
77	A novel, efficient synthesis of N-aryl pyrroles via reaction of 1-boronodienes with arylnitroso compounds. Chemical Communications, 2013, 49, 5414.	4.1	26
78	The influence of oscillations on product selectivity during the palladium-catalysed phenylacetylene oxidative carbonylation reaction. Physical Chemistry Chemical Physics, 2008, 10, 749-753.	2.8	25
79	Retinoid supplementation of differentiating human neural progenitors and embryonic stem cells leads to enhanced neurogenesis in vitro. Journal of Neuroscience Methods, 2010, 193, 239-245.	2.5	25
80	Palladium(ii)-catalysed tandem cyclisation of electron-deficient aromatic enynes. Chemical Communications, 2012, 48, 9986.	4.1	25
81	The action of all-trans-retinoic acid (ATRA) and synthetic retinoid analogues (EC19 and EC23) on human pluripotent stem cells differentiation investigated using single cell infrared microspectroscopy. Molecular BioSystems, 2013, 9, 677.	2.9	25
82	Asymmetric metal free Î²-boration of Î±,Î²-unsaturated imines assisted by (S)-MeBoPhoz. Organic and Biomolecular Chemistry, 2015, 13, 1328-1332.	2.8	25
83	Conjugate Addition of 3-Buytn-2-one to Anilines in Ethanol: Alkene Geometric Insights through In Situ FTIR Monitoring. Journal of Organic Chemistry, 2016, 81, 7557-7565.	3.2	25
84	The molecular basis of the interactions between synthetic retinoic acid analogues and the retinoic acid receptors. MedChemComm, 2017, 8, 578-592.	3.4	25
85	Stereoselective Chloro-Deboronation Reactions Induced by Substituted Pyridine-Iodine Chloride Complexes. European Journal of Organic Chemistry, 2005, 2005, 1876-1883.	2.4	24
86	Application of Zinc(II)â€“Binol for the Formal Azaâ€Dielsâ€“Alder Reaction of Nâ€Arylimines with Danishefsky's Diene: CDâ€Based Absolute Stereochemistry Determination, Origin of Asymmetric Induction and Mechanistic Considerations. European Journal of Organic Chemistry, 2007, 2007, 5771-5779.	2.4	24
87	Design and biological evaluation of synthetic retinoids: probing length vs. stability vs. activity. Molecular BioSystems, 2013, 9, 3124.	2.9	24
88	Synthesis, structure and comparative stability of Î²-hydrazono, oximino methyl ether and imino boronates. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 3250-3263.	1.3	23
89	Absolute stereochemistry assignment ofN-phosphorylimine-derived aza-Diels-Alder adducts with TDDFT CD calculations. Chirality, 2005, 17, 323-331.	2.6	23
90	Studies towards the synthesis of the northern polyene of viridenomycin and synthesis of Z-double bond analogues. Organic and Biomolecular Chemistry, 2011, 9, 1876.	2.8	23

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91	Stereoselective synthesis of either E- or Z-diiodoalkenes from alkynes using ICl and iodide. Tetrahedron Letters, 1997, 38, 4525-4526.	1.4	22
92	Diastereoselectivity and assignment of absolute stereochemistry in the aza-Dielsâ€“Alder reaction of a sulfonylimino acetate with 1-methoxy-3-trimethylsilyloxybuta-1,3-diene. Journal of the Chemical Society Perkin Transactions 1, 1995, , 2803-2808.	0.9	21
93	â€˜Transmittedâ€™ remote double diastereoselection effects on the asymmetric reduction of Î²-boronate oxime ethers. Tetrahedron Letters, 2000, 41, 2457-2461.	1.4	21
94	Benzimidazole Nitrogen-Directed, Regiocontrolled, Lithiation of Ferrocenyl- and Phenyl-N-n-butylbenzimidazoles. Journal of Organic Chemistry, 2007, 72, 71-75.	3.2	21
95	Heckâ€“Mizoroki coupling of vinyliodide and applications in the synthesis of dienes and trienes. Chemical Communications, 2015, 51, 11409-11412.	4.1	21
96	Highly selective halogenation of unactivated C(sp³)â€“H with NaX under co-catalysis of visible light and Ag@AgX. Green Chemistry, 2018, 20, 4729-4737.	9.0	21
97	Genomic and non-genomic pathways are both crucial for peak induction of neurite outgrowth by retinoids. Cell Communication and Signaling, 2019, 17, 40.	6.5	21
98	Proteomic profiling of the stem cell response to retinoic acid and synthetic retinoid analogues: identification of major retinoid-inducible proteins. Molecular BioSystems, 2009, 5, 458.	2.9	20
99	Mechanism and optimisation of the homoboroproline bifunctional catalytic asymmetric aldol reaction: Lewis acid tuning through in situ esterification. Organic and Biomolecular Chemistry, 2012, 10, 2422.	2.8	20
100	Total synthesis of fluoxetine and duloxetine through an in situ imine formation/borylation/transimination and reduction approach. Organic and Biomolecular Chemistry, 2014, 12, 6121-6127.	2.8	20
101	Directed asymmetric reduction of a carbonyl group via a new homochiral boronate ester.. Tetrahedron Letters, 1993, 34, 8155-8156.	1.4	19
102	The synthesis of furan-derived calixarenes. Journal of the Chemical Society Chemical Communications, 1993, , 1029.	2.0	19
103	The mechanism of directed remote asymmetric reduction of carbonyl groups via homochiral boronate esters. Journal of the Chemical Society Perkin Transactions 1, 1995, , 1825.	0.9	19
104	Asymmetric Î±-substitution versus aza Dielsâ€“Alder reaction of electron deficient N-sulfonyl imines. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 515-525.	1.3	19
105	The rational design, synthesis and demonstration of the recognition and binding of a diaza-dioxa-12-crown-4 diphosphonate macrocycle to all crystal growth faces of barium sulfate. Perkin Transactions II RSC, 2002, , 1238-1245.	1.1	19
106	On the mechanism and origin of the stereoselectivity in iodo-deboronation and chloro-deboronation of hindered alkenyl boronate esters using either IClâ€“NaOMe or IClâ€“pyridine. Tetrahedron Letters, 2004, 45, 8557-8561.	1.4	19
107	A Visibleâ€Lightâ€Induced Î±â€H Chlorination of Alkylarenes with Inorganic Chloride under NanoAg@AgCl. Chemistry - A European Journal, 2015, 21, 9671-9675.	3.3	19
108	Practical synthetic strategies towards lipophilic 6-iodotetrahydroquinolines and -dihydroquinolines. Beilstein Journal of Organic Chemistry, 2016, 12, 1851-1862.	2.2	19

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109	CYP26A1 gene promoter is a useful tool for reporting RAR-mediated retinoid activity. Analytical Biochemistry, 2019, 577, 98-109.	2.4	19
110	Stereoselective aldol reactions of Î²-boronate carbonyl derivatives.. Tetrahedron Letters, 1991, 32, 1507-1510.	1.4	18
111	Attempts to find a solution to the problem of atropisomer interconversion in 1,8-diarylnaphthalenes and 5,6-diarylacenaphthenes. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 588-598.	1.3	18
112	An Experimental and Computational Approach to Understanding the Reactions of Acyl Nitroso Compounds in [4 + 2] Cycloadditions. Journal of Organic Chemistry, 2015, 80, 9518-9534.	3.2	18
113	An Accessible Method for DFT Calculation of ¹¹B NMR Shifts of Organoboron Compounds. Journal of Organic Chemistry, 2018, 83, 8020-8025.	3.2	18
114	MM2 force field parameters for compounds containing the diazoketone function. Journal of the Chemical Society Perkin Transactions II, 1994, , 109.	0.9	17
115	Design and synthesis of macrocyclic ligands for specific interaction with crystalline ettringite and demonstration of a viable mechanism for the setting of cement. Journal of the Chemical Society Perkin Transactions II, 1999, , 1973-1981.	0.9	17
116	The structure, modelling and dynamics of hindered 5,6-diarylacenaphthenes. Perkin Transactions II RSC, 2001, , 459-467.	1.1	17
117	An unusual Michael additionâ€“dealkylation or elimination via the reaction of tertiary or secondary amines with a (Z)-iodoacrylate. Tetrahedron Letters, 2001, 42, 8387-8390.	1.4	17
118	Photoactivated cell-killing involving a low molecular weight, donorâ€“acceptor diphenylacetylene. Chemical Science, 2019, 10, 4673-4683.	7.4	17
119	Retinoic acid receptor-targeted drugs in neurodegenerative disease. Expert Opinion on Drug Metabolism and Toxicology, 2020, 16, 1097-1108.	3.3	17
120	Molecular design and testing of organophosphonates for inhibition of crystallisation of ettringite and cement hydration. Chemical Communications, 1998, , 1467-1468.	4.1	16
121	A facile, strain-induced 1,2-aryl migration in 5,6-diarylacenaphthenes. Tetrahedron Letters, 2000, 41, 6915-6918.	1.4	16
122	Latent reactive groups unveiled through equilibrium dynamics and exemplified in crosslinking during film formation from aqueous polymer colloids. Chemical Communications, 2005, , 5904.	4.1	16
123	Baseâ€Free Î²â€Boration of Î±,Î²â€Unsaturated Imines Catalysed by Cu₂O with Concurrent Enhancement of Asymmetric Induction. ChemCatChem, 2013, 5, 2233-2239.	3.7	16
124	Decay in Retinoic Acid Signaling in Varied Models of Alzheimerâ€™s Disease and In-Vitro Test of Novel Retinoic Acid Receptor Ligands (RAR-Ms) to Regulate Protective Genes. Journal of Alzheimer's Disease, 2020, 73, 935-954.	2.6	16
125	Fluorescent Retinoic Acid Analogues as Probes for Biochemical and Intracellular Characterization of Retinoid Signaling Pathways. ACS Chemical Biology, 2019, 14, 369-377.	3.4	16
126	Synthesis of the chromophore of rubrolone. Tetrahedron Letters, 1986, 27, 6049-6050.	1.4	15

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127	MM2 force field parameterisation, modelling and structure prediction of salen-type monomeric and hydrogen-bonded dimeric manganese complexes. Tetrahedron, 1996, 52, 10193-10204.	1.9	15
128	Synthesis of a new C2-symmetric chiral diol: Application to asymmetric allylboration. Tetrahedron, 1997, 53, 17395-17406.	1.9	15
129	The Effects of Ring Size and Substituents on the Rates of Acid-Catalysed Hydrolysis of Five- and Six-Membered Ring Cyclic Ketone Acetals. European Journal of Organic Chemistry, 2007, 2007, 3365-3368.	2.4	15
130	A robust and reproducible human pluripotent stem cell derived model of neurite outgrowth in a three-dimensional culture system and its application to study neurite inhibition. Neurochemistry International, 2017, 106, 74-84.	3.8	15
131	Using Nature's polyenes as templates: studies of synthetic xanthomonadin analogues and realising their potential as antioxidants. Organic and Biomolecular Chemistry, 2019, 17, 3752-3759.	2.8	15
132	A Novel, Efficient, Diastereo- and Enantioselective Mukaiyama Aldol-Based Synthesis of a Vinyl Cyclopentanone Core Derivative of Viridenomycin. Organic Letters, 2007, 9, 5565-5568.	4.6	14
133	Double Diastereoselective Approach to Chiral syn- and anti-1,3-Diol Analogues through Consecutive Catalytic Asymmetric Borylations. Journal of Organic Chemistry, 2017, 82, 7265-7279.	3.2	14
134	Total synthesis of analogues of the Î²-lactam antibiotics. Part 3. 2-Ethoxycarbonyl derivatives of carbapen-1-em-3-exo-carboxylates and carbapenam-3-exo-carboxylates. Journal of the Chemical Society Perkin Transactions 1, 1987, , 2361-2369.	0.9	13
135	D-xylofuranose: Conversion to its' 3,5-oxetane via an unusual reductive displacement of phthalimide and subsequent regioselective ring opening.. Tetrahedron, 1992, 48, 9553-9560.	1.9	13
136	The origin of the stereoselectivity in the aldol reactions of Î²-boronate carbonyl derivatives.. Tetrahedron, 1993, 49, 187-198.	1.9	13
137	An insight into the mechanism of the cellulose dyeing process: Molecular modelling and simulations of cellulose and its interactions with water, urea, aromatic azo-dyes and aryl ammonium compounds. Dyes and Pigments, 2008, 76, 406-416.	3.7	13
138	Probing biological activity through structural modelling of ligand-receptor interactions of 2,4-disubstituted thiazole retinoids. Bioorganic and Medicinal Chemistry, 2018, 26, 1560-1572.	3.0	13
139	Tandem fluorescence and Raman (fluoRaman) characterisation of a novel photosensitiser in colorectal cancer cell line SW480. Analyst, The, 2018, 143, 6113-6120.	3.5	13
140	A Stereoselective Palladiumâ€Mediated Reductive Coupling of Electronâ€Deficient Terminal Iodoalkenes. Advanced Synthesis and Catalysis, 2008, 350, 227-233.	4.3	12
141	Novel Approaches to Cross-linking High Molecular Weight Polysaccharides: Application to Guar-based Hydraulic Fracturing Fluids. Molecular Simulation, 2000, 25, 265-299.	2.0	11
142	Novel non-exfoliated clay-nanocomposite materials byin situco-polymerisation of intercalated monomers: a combinatorial discovery approach. Molecular Simulation, 2002, 28, 295-316.	2.0	11
143	Asymmetric Synthesis and Application of Homologous Pyrrolineâ€2â€alkylboronic Acids: Identification of the Bâ€“N Distance for Eliciting Bifunctional Catalysis of an Asymmetric Aldol Reaction.. Asian Journal of Organic Chemistry, 2014, 3, 470-479.	2.7	11
144	Force field parameters for the boronate function and their carbonyl complexes and application to modelling boronate esters. Journal of the Chemical Society Perkin Transactions II, 1996, , 1861.	0.9	10

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145	Synthesis and applications of 2,4-disubstituted thiazole derivatives as small molecule modulators of cellular development. Organic and Biomolecular Chemistry, 2013, 11, 2323.	2.8	10
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