

Alexander J A Cobb

List of Publications by Year in descending order

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37
papers

2,557
citations

393982

19
h-index

360668

35
g-index

49
all docs

49
docs citations

49
times ranked

2522
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting C-reactive protein for the treatment of cardiovascular disease. <i>Nature</i> , 2006, 440, 1217-1221.	13.7	621
2	Organocatalysis with proline derivatives: improved catalysts for the asymmetric Mannich, nitro-Michael and aldol reactions. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 84.	1.5	480
3	Organocatalysis with Proline Derivatives. Improved Catalysts for the Asymmetric Mannich, Nitro-Michael and Aldol Reactions.. <i>ChemInform</i> , 2005, 36, no.	0.1	319
4	5-Pyrrolidin-2-yltetrazole as an asymmetric organocatalyst for the addition of ketones to nitro-olefins. <i>Chemical Communications</i> , 2004, , 1808.	2.2	205
5	5-Pyrrolidin-2-yltetrazole as an Asymmetric Organocatalyst for the Addition of Ketones to Nitro-Olefins.. <i>ChemInform</i> , 2005, 36, no.	0.1	145
6	Enantioselective Intramolecular Michael Addition of Nitronates onto Conjugated Esters: Access to Cyclic ^{13}C -Amino Acids with up to Three Stereocenters. <i>Journal of the American Chemical Society</i> , 2009, 131, 16016-16017.	6.6	112
7	Recent highlights in modified oligonucleotide chemistry. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 3260.	1.5	87
8	Asymmetric Organocatalysis and the Nitro Group Functionality. <i>Synthesis</i> , 2013, 45, 2627-2648.	1.2	67
9	AID Enzymatic Activity Is Inversely Proportional to the Size of Cytosine C5 Orbital Cloud. <i>PLoS ONE</i> , 2012, 7, e43279.	1.1	62
10	Organocatalytic enantioselective construction of nitrocyclohexanes containing multiple chiral centres via a cascade reaction. <i>Chemical Science</i> , 2012, 3, 584-588.	3.7	58
11	Trapping of palindromic ligands within native transthyretin prevents amyloid formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 20483-20488.	3.3	55
12	Mild and Rapid Method for the Generation of <i>ortho</i> -(Naphtho)quinone Methide Intermediates. <i>Organic Letters</i> , 2012, 14, 584-587.	2.4	44
13	Reversal of enantioselectivity using catalysts containing multiple stereogenic centres. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 1547-1550.	1.8	33
14	Organocatalytic Domino Reaction of Cyanosulfones: Access to Complex Cyclohexane Systems with Quaternary Carbon Centers. <i>Organic Letters</i> , 2013, 15, 1386-1389.	2.4	32
15	Targeted Activation of Toll-Like Receptors: Conjugation of a Toll-Like Receptor 7 Agonist to a Monoclonal Antibody Maintains Antigen Binding and Specificity. <i>Bioconjugate Chemistry</i> , 2015, 26, 1743-1752.	1.8	29
16	Asymmetric cyclopropanation of conjugated cyanosulfones using a novel cupreine organocatalyst: rapid access to α -amino acids. <i>Chemical Communications</i> , 2015, 51, 13558-13561.	2.2	28
17	Synthesis and Antiviral Properties of Spirocyclic [1,2,3]-triazolooxazine Nucleosides. <i>Chemistry - A European Journal</i> , 2014, 20, 11685-11689.	1.7	25
18	Asymmetric synthesis using catalysts containing multiple stereogenic centres and a trans-1,2-diaminocyclohexane core; reversal of predominant enantioselectivity upon N-alkylation. <i>Tetrahedron</i> , 2005, 61, 1269-1279.	1.0	23

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19	Cupreines and cupreidines: an established class of bifunctional cinchona organocatalysts. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 429-443.	1.3	23
20	Construction of functionalised medium rings by stereospecific expansions of 2,3-epoxy alcohols under mild conditions. <i>Tetrahedron Letters</i> , 2002, 43, 6637-6640.	0.7	18
21	Emergent Glycerophospholipid Fluorescent Probes: Synthesis and Applications. <i>Bioconjugate Chemistry</i> , 2020, 31, 417-435.	1.8	14
22	Organocatalytic Access to a <i>cis</i> -Cyclopentyl- β -amino Acid: An Intriguing Model of Selectivity and Formation of a Stable 10/12-Helix from the Corresponding β -Peptide. <i>Journal of the American Chemical Society</i> , 2020, 142, 1382-1393.	6.6	11
23	Synthesis and antiviral activity of novel spirocyclic nucleosides. <i>New Journal of Chemistry</i> , 2018, 42, 18363-18380.	1.4	10
24	5-Pyrrolidin-2-yltetrazole: A New, Catalytic, More Soluble Alternative to β -Proline in an Organocatalytic Asymmetric Mannich-type Reaction. <i>Synlett</i> , 2004, 2004, 558-560.	1.0	9
25	High potency of lipid conjugated TLR7 agonist requires nanoparticulate or liposomal formulation. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 123, 268-276.	1.9	9
26	High Throughput Screen Identifies Small Molecule Effectors That Modulate Thin Filament Activation in Cardiac Muscle. <i>ACS Chemical Biology</i> , 2021, 16, 225-235.	1.6	7
27	Highly Enantioselective, Organocatalytic, and Scalable Synthesis of a Rare <i>cis,cis</i> -Tricyclic Diterpenoid. <i>Chemistry - A European Journal</i> , 2020, 26, 3504-3508.	1.7	6
28	Syntheses and applications of enantiopure β -amino acids and their precursors. <i>Tetrahedron</i> , 2018, 74, 4917-4925.	1.0	5
29	A Homo-Proline Tetrazole as an Improved Organocatalyst for the Asymmetric Michael Addition of Carbonyl Compounds to Nitro-Olefins. <i>Synlett</i> , 2005, 2005, 611-614.	1.0	4
30	Asymmetric Phase-Transfer-Catalyzed Synthesis of Five-Membered Cyclic β -Amino Acid Precursors. <i>Synlett</i> , 2010, 2010, 3011-3014.	1.0	4
31	Asymmetric Organocatalytic Synthesis of Cyclopentane β -Nitroketones. <i>Synlett</i> , 2015, 27, 17-20.	1.0	3
32	Enantioselective Organocatalytic Synthesis of Bicyclic Resorcinols via an Intramolecular Friedel-Crafts Type 1,4-Addition: Access to Cannabidiol Analogues. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 4067-4074.	2.1	3
33	Aldol reaction of butane-2,3-diacetal protected methyl glycerate. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 149-152.	1.8	2
34	Synthesis of an intriguing steroidal constitutional isomer. <i>Tetrahedron Letters</i> , 2020, 61, 151942.	0.7	2
35	Organocatalysis with Proline Derivatives. Improved Catalysts for the Asymmetric Mannich, Nitro-Michael and Aldol Reactions.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
36	Asymmetric Organocatalysis and the Nitro Group Functionality. <i>Synthesis</i> , 2013, 45, e3-e3.	1.2	0

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37	Asymmetric Organocatalytic Synthesis of Cyclopentane $\hat{1}^3$ -Nitroketones. <i>Synlett</i> , 2015, 27, e1-e1.	1.0	0