Alexander J A Cobb

List of Publications by Year
in descending order

37 papers	2,557 citations	394286 19 h-index	360920 35 g-index
49 all docs	49 docs citations	49 times ranked	2522 citing authors

#	Article	IF	Citations
1	High Throughput Screen Identifies Small Molecule Effectors That Modulate Thin Filament Activation in Cardiac Muscle. ACS Chemical Biology, 2021, 16, 225-235.	1.6	7
2	Enantioselective Organocatalytic Synthesis of Bicyclic Resorcinols via an Intramolecular Friedelâ"Craftsâ€Type 1,4â€Addition: Access to Cannabidiol Analogues. Advanced Synthesis and Catalysis, 2021, 363, 4067-4074.	2.1	3
3	Emergent Glycerophospholipid Fluorescent Probes: Synthesis and Applications. Bioconjugate Chemistry, 2020, 31, 417-435.	1.8	14
4	Organocatalytic Access to a cis-Cyclopentyl-Î³-amino Acid: An Intriguing Model of Selectivity and Formation of a Stable 10/12-Helix from the Corresponding Î³/Î±-Peptide. Journal of the American Chemical Society, 2020, 142, 1382-1393.	6.6	11
5	Highly Enantioselective, Organocatalytic, and Scalable Synthesis of a Rare cis,cisâ€Tricyclic Diterpenoid. Chemistry - A European Journal, 2020, 26, 3504-3508.	1.7	6
6	Synthesis of an intriguing steroidal constitutional isomer. Tetrahedron Letters, 2020, 61, 151942.	0.7	2
7	Synthesis and antiviral activity of novel spirocyclic nucleosides. New Journal of Chemistry, 2018, 42, 18363-18380.	1.4	10
8	Syntheses and applications of enantiopure Î´-amino acids and their precursors. Tetrahedron, 2018, 74, 4917-4925.	1.0	5
9	High potency of lipid conjugated TLR7 agonist requires nanoparticulate or liposomal formulation. European Journal of Pharmaceutical Sciences, 2018, 123, 268-276.	1.9	9
10	Cupreines and cupreidines: an established class of bifunctional cinchona organocatalysts. Beilstein Journal of Organic Chemistry, 2016, 12, 429-443.	1.3	23
11	Asymmetric Organocatalytic Synthesis of Cyclopentane Î³-Nitroketones. Synlett, 2015, 27, e1-e1.	1.0	0
12	Asymmetric Organocatalytic Synthesis of Cyclopentane Î³-Nitroketones. Synlett, 2015, 27, 17-20.	1.0	3
13	Targeted Activation of Toll-Like Receptors: Conjugation of a Toll-Like Receptor 7 Agonist to a Monoclonal Antibody Maintains Antigen Binding and Specificity. Bioconjugate Chemistry, 2015, 26, 1743-1752.	1.8	29
14	Asymmetric cyclopropanation of conjugated cyanosulfones using a novel cupreine organocatalyst: rapid access to Î´³-amino acids. Chemical Communications, 2015, 51, 13558-13561.	2.2	28
15	Synthesis and Antiviral Properties of Spirocyclic [1,2,3]â€Triazolooxazine Nucleosides. Chemistry - A European Journal, 2014, 20, 11685-11689.	1.7	25
16	Organocatalytic Domino Reaction of Cyanosulfones: Access to Complex Cyclohexane Systems with Quaternary Carbon Centers. Organic Letters, 2013, 15, 1386-1389.	2.4	32
17	Asymmetric Organocatalysis and the Nitro Group Functionality. Synthesis, 2013, 45, 2627-2648.	1.2	67
18	Asymmetric Organocatalysis and the Nitro Group Functionality. Synthesis, 2013, 45, e3-e3.	1.2	0

#	Article	IF	Citations
19	AID Enzymatic Activity Is Inversely Proportional to the Size of Cytosine C5 Orbital Cloud. PLoS ONE, 2012, 7, e43279.	1.1	62
20	Organocatalytic enantioselective construction of nitrocyclohexanes containing multiple chiral centres via a cascade reaction. Chemical Science, 2012, 3, 584-588.	3.7	58
21	Mild and Rapid Method for the Generation of ortho-(Naphtho)quinone Methide Intermediates. Organic Letters, 2012, 14, 584-587.	2.4	44
22	Aldol reaction of butane-2,3-diacetal protected methyl glycerate. Tetrahedron: Asymmetry, 2011, 22, 149-152.	1.8	2
23	Trapping of palindromic ligands within native transthyretin prevents amyloid formation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20483-20488.	3.3	55
24	Asymmetric Phase-Transfer-Catalyzed Synthesis of Five-Membered Cyclic Î³-Amino Acid Precursors. Synlett, 2010, 2010, 3011-3014.	1.0	4
25	Enantioselective Intramolecular Michael Addition of Nitronates onto Conjugated Esters: Access to Cyclic Î³-Amino Acids with up to Three Stereocenters. Journal of the American Chemical Society, 2009, 131, 16016-16017.	6.6	112
26	Recent highlights in modified oligonucleotide chemistry. Organic and Biomolecular Chemistry, 2007, 5, 3260.	1.5	87
27	Targeting C-reactive protein for the treatment of cardiovascular disease. Nature, 2006, 440, 1217-1221.	13.7	621
28	5-Pyrrolidin-2-yltetrazole as an Asymmetric Organocatalyst for the Addition of Ketones to Nitro-Olefins.. ChemInform, 2005, 36, no.	0.1	145
29	Organocatalysis with Proline Derivatives. Improved Catalysts for the Asymmetric Mannich, Nitro-Michael and Aldol Reactions.. ChemInform, 2005, 36, no.	0.1	0
30	Organocatalysis with Proline Derivatives. Improved Catalysts for the Asymmetric Mannich, Nitro-Michael and Aldol Reactions.. ChemInform, 2005, 36, no.	0.1	319
31	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.	1.0	23
32	A Homo-Proline Tetrazole as an Improved Organocatalyst for the Asymmetric Michael Addition of Carbonyl Compounds to Nitro-Olefins. Synlett, 2005, 2005, 611-614.	1.0	4
33	Organocatalysis with proline derivatives: improved catalysts for the asymmetric Mannich, nitro-Michael and aldol reactions. Organic and Biomolecular Chemistry, 2005, 3, 84.	1.5	480
34	5-Pyrrolidin-2-yltetrazole: A New, Catalytic, More Soluble Alternative to ÂProline in an Organocatalytic Asymmetric Mannich-type Reaction. Synlett, 2004, 2004, 558-560.	1.0	9
35	5-Pyrrolidin-2-yltetrazole as an asymmetric organocatalyst for the addition of ketones to nitro-olefins. Chemical Communications, 2004, , 1808.	2.2	205
36	Construction of functionalised medium rings by stereospecific expansions of 2,3-epoxy alcohols under mild conditions. Tetrahedron Letters, 2002, 43, 6637-6640.	0.7	18

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37	Reversal of enantioselectivity using catalysts containing multiple stereogenic centres. Tetrahedron: Asymmetry, 2001, 12, 1547-1550.	1.8	33