

Alexander J A Cobb

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,557
citations

394421

19
h-index

361022

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. | 27.8 | 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. | 2.8 | 480 |
| 3 | Organocatalysis with Proline Derivatives. Improved Catalysts for the Asymmetric Mannich, Nitro-Michael and Aldol Reactions.. <i>ChemInform</i> , 2005, 36, no. | 0.0 | 319 |
| 4 | 5-Pyrrolidin-2-yltetrazole as an asymmetric organocatalyst for the addition of ketones to nitro-olefins. <i>Chemical Communications</i> , 2004, , 1808. | 4.1 | 205 |
| 5 | 5-Pyrrolidin-2-yltetrazole as an Asymmetric Organocatalyst for the Addition of Ketones to Nitro-Olefins.. <i>ChemInform</i> , 2005, 36, no. | 0.0 | 145 |
| 6 | Enantioselective Intramolecular Michael Addition of Nitronates onto Conjugated Esters: Access to Cyclic β^3 -Amino Acids with up to Three Stereocenters. <i>Journal of the American Chemical Society</i> , 2009, 131, 16016-16017. | 13.7 | 112 |
| 7 | Recent highlights in modified oligonucleotide chemistry. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 3260. | 2.8 | 87 |
| 8 | Asymmetric Organocatalysis and the Nitro Group Functionality. <i>Synthesis</i> , 2013, 45, 2627-2648. | 2.3 | 67 |
| 9 | AID Enzymatic Activity Is Inversely Proportional to the Size of Cytosine C5 Orbital Cloud. <i>PLoS ONE</i> , 2012, 7, e43279. | 2.5 | 62 |
| 10 | Organocatalytic enantioselective construction of nitrocyclohexanes containing multiple chiral centres via a cascade reaction. <i>Chemical Science</i> , 2012, 3, 584-588. | 7.4 | 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. | 7.1 | 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. | 4.6 | 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. | 4.6 | 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. | 3.6 | 29 |
| 16 | Asymmetric cyclopropanation of conjugated cyanosulfones using a novel cupreine organocatalyst: rapid access to β^3 -amino acids. <i>Chemical Communications</i> , 2015, 51, 13558-13561. | 4.1 | 28 |
| 17 | Synthesis and Antiviral Properties of Spirocyclic [1,2,3]-triazolooxazine Nucleosides. <i>Chemistry - A European Journal</i> , 2014, 20, 11685-11689. | 3.3 | 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. | 1.9 | 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. | 2.2 | 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. | 1.4 | 18 |
| 21 | Emergent Glycerophospholipid Fluorescent Probes: Synthesis and Applications. <i>Bioconjugate Chemistry</i> , 2020, 31, 417-435. | 3.6 | 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. | 13.7 | 11 |
| 23 | Synthesis and antiviral activity of novel spirocyclic nucleosides. <i>New Journal of Chemistry</i> , 2018, 42, 18363-18380. | 2.8 | 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. | 1.8 | 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. | 4.0 | 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. | 3.4 | 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. | 3.3 | 6 |
| 28 | Syntheses and applications of enantiopure β -amino acids and their precursors. <i>Tetrahedron</i> , 2018, 74, 4917-4925. | 1.9 | 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. | 1.8 | 4 |
| 30 | Asymmetric Phase-Transfer-Catalyzed Synthesis of Five-Membered Cyclic β -Amino Acid Precursors. <i>Synlett</i> , 2010, 2010, 3011-3014. | 1.8 | 4 |
| 31 | Asymmetric Organocatalytic Synthesis of Cyclopentane β -Nitroketones. <i>Synlett</i> , 2015, 27, 17-20. | 1.8 | 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. | 4.3 | 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. | 1.4 | 2 |
| 35 | Organocatalysis with Proline Derivatives. Improved Catalysts for the Asymmetric Mannich, Nitro-Michael and Aldol Reactions.. <i>ChemInform</i> , 2005, 36, no. | 0.0 | 0 |
| 36 | Asymmetric Organocatalysis and the Nitro Group Functionality. <i>Synthesis</i> , 2013, 45, e3-e3. | 2.3 | 0 |

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|----|------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Asymmetric Organocatalytic Synthesis of Cyclopentane $\hat{1}$ ³ -Nitroketones. <i>Synlett</i> , 2015, 27, e1-e1. | 1.8 | 0 |