

# Anthony C Willis

## List of Publications by Year in descending order

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72  
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1,440  
citations

304743

22  
h-index

377865

34  
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75  
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docs citations

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times ranked

1224  
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#	ARTICLE	IF	CITATIONS
1	Metallaboratranes: Tris(methimazolyl)borane Complexes of Rhodium(I). <i>Organometallics</i> , 2006, 25, 289-299.	2.3	119
2	A Golden Ring: Molecular Gold Carbido Complexes. <i>Journal of the American Chemical Society</i> , 2013, 135, 4942-4945.	13.7	63
3	A Bis-Carbyne (Ethanediylidyne) Complex via the Catalytic Demercuration of a Mercury Bis(carbido) Complex. <i>Organometallics</i> , 2009, 28, 4394-4399.	2.3	57
4	Heterodinuclear Bridging Carbido and Phosphonocarbyne Complexes. <i>Organometallics</i> , 2012, 31, 2538-2542.	2.3	55
5	Phosphino and Phosphonito Carbyne Complexes: $[Mo(\eta^5-CX)(CO)_2\{HB(pzMe)_2\}]$ (X = PPh <sub>2</sub> , P(O)(OEt) <sub>2</sub> ; pz), <i>J. Organomet. Chem.</i> 2013, 911, 1-10.	2.3	52
6	Direct Syntheses of 1-Phenylphosphetane and 1-Phenylphosphirane. Crystal and Molecular Structures of Neutral and Cationic Cyclotrimerization Precursor Complexes. <i>Organometallics</i> , 1996, 15, 1301-1306.	2.3	50
7	Poly(methimazolyl)borate Complexes of Platinum. <i>Organometallics</i> , 2005, 24, 4889-4892.	2.3	46
8	Synthesis of a Thiocarbamoyl Alkylidyne Complex and Caveats Associated with the Use of $[Mo(\eta^5-Cli)(CO)_2(Tp^*)]$ (Tp* = Hydrotris(3,5-dimethylpyrazol-1-yl)borate). <i>Organometallics</i> , 2010, 29, 6482-6487.	2.3	44
9	Group 14 Substituted Carbyne Complexes: An Almost Complete Set: $[Mo(\eta^5-CAPh)_3(CO)_2(Tp^*)]$ (Tp* = Hydrotris(dimethylpyrazolyl)borate; A = Si, Ge,) <i>J. Organomet. Chem.</i> 2011, 911, 1-10.	2.3	44
10	Al(H <sub>2</sub> PO <sub>4</sub> ) <sub>3</sub> as an efficient and reusable catalyst for the multi-component synthesis of highly functionalized piperidines and dihydro-2-oxypyrrroles. <i>Journal of the Iranian Chemical Society</i> , 2013, 10, 863-871.	2.2	44
11	Modular Total Syntheses of Lamellarin G Trimethyl Ether and Lamellarin S. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 88-99.	2.4	40
12	A Unified Approach to the Isomeric $\hat{I}^{\pm}$ , $\hat{I}^2$ , $\hat{I}^3$ , and $\hat{I}^*$ -Carbolines via their 6,7,8,9-Tetrahydro Counterparts. <i>Journal of Organic Chemistry</i> , 2017, 82, 4328-4335.	3.2	36
13	Chemoenzymatic Synthesis of (+)-Asperpentyn and the Enantiomer of the Structure Assigned to Aspergillusol A. <i>Journal of Natural Products</i> , 2015, 78, 1963-1968.	3.0	33
14	Trityl chloride as an efficient organic catalyst for one-pot, five-component and diastereoselective synthesis of highly substituted piperidines. <i>Research on Chemical Intermediates</i> , 2014, 40, 723-736.	2.7	31
15	Synthesis and Reactions of Nickel(0) $\hat{I}^2$ -Cyclohexyne Complexes and X-ray Crystal Structure of $Ni(\hat{I}^2-C_6H_8)((C_6H_{11})_2PCH_2CH_2P(C_6H_{11})_2)$ . <i>Organometallics</i> , 1996, 15, 68-74.	2.3	30
16	New methods for the synthesis of certain alkaloids and terpenoids. <i>Pure and Applied Chemistry</i> , 2011, 83, 411-423.	1.9	29
17	Organometallic Macrocyclic Chemistry. 6.1 Chelate-Assisted Macrocyclization of 4,7,10-Trithiatrideca-2,11-diyne. <i>Organometallics</i> , 2004, 23, 81-85.	2.3	26
18	Biomimetic Total Synthesis of the Pentacyclic <i>Amaryllidaceae</i> Alkaloid Derivative Gracilamine. <i>Organic Letters</i> , 2017, 19, 162-165.	4.6	26

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19	Chemoenzymatic Total Syntheses of the Enantiomers of the Protoilludanes 8-Deoxydihydrosugicolone and Radudiol. <i>Journal of Organic Chemistry</i> , 2016, 81, 2078-2086.	3.2	25
20	Gold(I)-Catalyzed Intramolecular Hydroarylation of Phenol-Derived Propiolates and Certain Related Ethers as a Route to Selectively Functionalized Coumarins and 2H-Chromenes. <i>Journal of Organic Chemistry</i> , 2021, 86, 178-198.	3.2	25
21	First Resolution of a Free Fluorophosphane Chiral at Phosphorus. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 1835-1837.	4.4	23
22	Total Synthesis of Marinoquinoline A Using a Palladium(0)-Catalyzed Ullmann Cross-Coupling Reaction. <i>Asian Journal of Organic Chemistry</i> , 2012, 1, 160-165.	2.7	23
23	Bi- and Tetranuclear Tricarbido Complexes: $\text{[Mo}_4\text{C}_3\text{]}^{4-}$ and $\text{[W}_4\text{C}_3\text{]}^{4-}$ : Coordination of Bridging C3 Ligands. <i>Organometallics</i> , 2004, 23, 5903-5906.	2.3	22
24	Organization of Amino Acids Using a Metallotriazacyclononane Template. <i>Inorganic Chemistry</i> , 1997, 36, 752-753.	4.0	21
25	Poly(methimazolyl)borato Nitrosyl Complexes of Molybdenum and Tungsten. <i>Organometallics</i> , 2008, 27, 4455-4463.	2.3	20
26	Palladium-Catalyzed Ullmann Cross-Coupling/Tandem Reductive Cyclization Route to Key Members of the Uleine Alkaloid Family. <i>Journal of Organic Chemistry</i> , 2016, 81, 2950-2957.	3.2	20
27	Chelate Alkyne Complexes of Divalent and Trivalent Ruthenium Stabilized by N-Donor Ligands. <i>Organometallics</i> , 1998, 17, 5867-5873.	2.3	19
28	A chemoenzymatic synthesis of the carbobicyclic core associated with CP-225,917 and CP-263,114 (phomoidrides A and B). <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 2194-2203.	1.3	19
29	Borylcarbyne Complexes: $[\text{Mo}(\text{C}_6\text{H}_5)_2\text{C}(\text{CO})\{\text{HB}(\text{p}z\text{Me})_2\}_2] (\text{BR} = \text{t}j\text{ETQq110784314})$ . <i>Organometallics</i> , 2011, 30, 3237-3241.	2.3	19
30	Generation of (+)-Prezizanol, (+)-Prezizaene, and the (-)-Isopizitol Framework via Cationic Rearrangement of Khusiol and Related Compounds. <i>Asian Journal of Organic Chemistry</i> , 2014, 3, 632-637.	2.7	18
31	Title is missing!. <i>Chemical Communications</i> , 2001, , 2210-2211.	4.1	16
32	gem-Dibromocyclopropanes and enzymatically derived cis-1,2-dihydrocatechols as building blocks in alkaloid synthesis. <i>Pure and Applied Chemistry</i> , 2011, 84, 1329-1339.	1.9	16
33	Total Syntheses of the Resorcylic Acid Lactones Paecilomycin F and Cochliomycin C Using an Intramolecular Loh-Type $\alpha$ -Allylation Reaction for Macrolide Formation. <i>Organic Letters</i> , 2016, 18, 4226-4229.	4.6	16
34	$\alpha$ -Allyl cation cyclisations initiated by silver(I)-promoted electrocyclic ring opening of ring-fused gem-dibromocyclopropanes possessing tethered nucleophiles: the influence of chiral auxiliaries on the diastereoselectivity of cyclisations involving meso-substrates. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000, , 2175-2178.	1.3	15
35	Poly(methimazolyl)borate Alkyne Complexes of Molybdenum and Tungsten. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 3781-3785.	2.0	14
36	Further exploration of the heterocyclic diversity accessible from the allylation chemistry of indigo. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 481-492.	2.2	14

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37	A concise synthesis of furo[3,2-c]coumarins catalyzed by nanocrystalline ZnZr <sub>4</sub> (PO <sub>4</sub> ) <sub>6</sub> ceramics under microwave irradiation. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 1439-1448.	2.2	14
38	A Total Synthesis of (±)-3-O-Demethylmacronine through Rearrangement of a Precursor Embodying the Haemanthidine Alkaloid Framework. <i>Journal of Organic Chemistry</i> , 2017, 82, 4336-4341.	3.2	14
39	Total Syntheses of the 3-H-Pyrrolo[2,3-c]quinolone-Containing Alkaloids Marinoquinolines A, F, K, and Aplidiopsamine A Using a Palladium-Catalyzed Ullmann Cross-Coupling/Reductive Cyclization Pathway. <i>Journal of Organic Chemistry</i> , 2020, 85, 650-663.	3.2	14
40	Establishing the True Structure of the Sorbicillinoid-Derived Isolate Rezishanone C by Total Synthesis. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1480-1484.	3.3	13
41	The Synthesis of Certain Derivatives and Analogues of (±)- and (+)-Galanthamine and an Assessment of their Capacities to Inhibit Acetylcholine Esterase. <i>Journal of Organic Chemistry</i> , 2017, 82, 7869-7886.	3.2	13
42	An Enantioselective Synthesis of the Epoxyquinol (+)-isoepipoformin. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 4365-4367.	2.4	12
43	Modular Total Syntheses of the Alkaloids Discoipyrroles A and B, Potent Inhibitors of the DDR2 Signaling Pathway. <i>Organic Letters</i> , 2016, 18, 704-707.	4.6	12
44	The Synthesis of Certain Phomentrioloxin A Analogues and Their Evaluation as Herbicidal Agents. <i>Journal of Organic Chemistry</i> , 2017, 82, 211-233.	3.2	12
45	In Search of Fulminate Analogues: L n M <sub>2</sub> CP=NR. <i>Chemistry - A European Journal</i> , 2020, 26, 8819-8827.	3.3	12
46	THE ODD BIT OF CARBON. <i>Comments on Inorganic Chemistry</i> , 2010, 31, 121-129.	5.2	11
47	A Raney Cobalt Mediated Reductive Cyclization Route to the Uleine Alkaloid Gilbertine. <i>Journal of Organic Chemistry</i> , 2016, 81, 10551-10557.	3.2	10
48	Synthesis and Diels-Alder Reactivity of Substituted [4]Dendralenes. <i>Journal of Organic Chemistry</i> , 2016, 81, 1461-1475.	3.2	10
49	Isolation of CFTR and TMEM16A inhibitors from <i>Neorautanenia mitis</i> (A. Rich) Verdcourt: Potential lead compounds for treatment of secretory diarrhea. <i>Phytochemistry</i> , 2020, 179, 112464.	2.9	9
50	Steric Effects in Redox Reactions and Electron Transfer Rates. <i>Advances in Chemistry Series</i> , 1997, , 137-150.	0.6	8
51	Cyclic Phosphine Oxides and Phosphinamides from Di-Grignard Reagents and Phosphonic Dichlorides: Modular Access to Annulated Phospholanes. <i>Journal of Organic Chemistry</i> , 2015, 80, 9774-9780.	3.2	8
52	Total Syntheses of the Amaryllidaceae Alkaloids Zephycandidine III and Lycosinine A and Their Evaluation as Inhibitors of Acetylcholinesterase. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4044-4053.	2.4	8
53	The Palladium-Catalyzed Intramolecular Alder-Ene Reactions of O- and N-Linked 1,6-Enynes Incorporating Triethylsilyl Capping Groups. <i>Journal of Organic Chemistry</i> , 2017, 82, 12569-12589.	3.2	8
54	Styryllactones from <i>Goniotalamus tamirensis</i> . <i>Phytochemistry</i> , 2020, 171, 112248.	2.9	8

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55	Anion-templated 2D frameworks from hexahydroxytriphenylene. <i>CrystEngComm</i> , 2016, 18, 4281-4284.	2.6	7
56	Mechanistic Studies on the Base-Promoted Conversion of Alkoxy-Substituted, Ring-Fused <i>cis</i> -Dihalocyclopropanes into Furans: Evidence for a Process Involving Electrocyclic Ring Closure of a Carbonyl Ylide Intermediate. <i>Journal of Organic Chemistry</i> , 2018, 83, 13678-13690.	3.2	7
57	High-Pressure-Promoted and Facially Selective Diels-Alder Reactions of Enzymatically Derived <i>cis</i> -1,2-Dihydrocatechols and Their Acetonide Derivatives: Enantiodivergent Routes to Homochiral and Polyfunctionalized Bicyclo[2.2.2]octenes. <i>Journal of Organic Chemistry</i> , 2020, 85, 13080-13095.	3.2	7
58	Studies on the Photochemical Rearrangements of Enantiomerically Pure, Polysubstituted, and Various Annulated Bicyclo[2.2.2]octenones. <i>Journal of Organic Chemistry</i> , 2017, 82, 8008-8022.	3.2	6
59	Total Synthesis of (±)-Crinine from 6,6-Dibromobicyclo[3.1.0]hexane Using a 5- <i>exo-trig</i> Radical Cyclization Reaction to Assemble the C3a-Arylated Perhydroindole Substructure. <i>Journal of Organic Chemistry</i> , 2018, 83, 8493-8498.	3.2	6
60	Desymmetrization Reactions of Indigo with Grignard Reagents for the Synthesis of Selective Antiplasmodial [1 <i>H</i> ,3 <i>H</i> ]-3-Aryl-2,2-diindol-3-ones. <i>Journal of Organic Chemistry</i> , 2019, 84, 11228-11239.	3.2	6
61	Application of Electrocyclic Ring-Opening and Desymmetrizing Nucleophilic Trappings of <i>meso</i> -6,6-Dibromobicyclo[3.1.0]hexanes to Total Syntheses of Crinine and Haemanthamine Alkaloids. <i>Journal of Organic Chemistry</i> , 2019, 84, 3431-3466.	3.2	6
62	The Cascade Reactions of Indigo with Propargyl Substrates for Heterocyclic and Photophysical Diversity. <i>Chemistry - A European Journal</i> , 2021, 27, 3708-3721.	3.3	6
63	The Detosylation of Chiral 1,2-Bis(tosylamides). <i>Journal of Organic Chemistry</i> , 2021, 86, 9163-9180.	3.2	5
64	A Formal Total Synthesis of (±)-Kopsihainanine A Using a Raney-Cobalt Mediated Reductive Cyclization Route to Polyhydroquinolines. <i>Journal of Organic Chemistry</i> , 2016, 81, 8022-8028.	3.2	4
65	A Second-Generation Chemoenzymatic Total Synthesis of Platencin. <i>Synlett</i> , 2015, 27, 61-66.	1.8	3
66	The Synthesis, Structural Characterisation and Chemical Manipulation of the [6+3] Cycloadduct Derived from <i>trans</i> -Tropolone <i>oxo</i> -Methyl Ether and Trimethylenemethane. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 1458-1467.	2.7	3
67	Whiteite-( <i>mmnm</i> g), a New Jahnsite-Group Mineral from Iron Monarch, South Australia: Description and Crystal Structure. <i>Canadian Mineralogist</i> , 2019, 57, 215-223.	1.0	3
68	Synthesis and Structure of the Helicate (M)-[Pt <sub>2</sub> ]{(R,R)-tetraphos}(CF <sub>3</sub> SO <sub>3</sub> ) <sub>4</sub> ·4.5 H <sub>2</sub> O. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2004, 59, 1458-1461.	0.7	2
69	Redefinition of the formula for aldermanite, [Mg(H <sub>2</sub> O) <sub>6</sub> ][Na(H <sub>2</sub> O) <sub>2</sub> Al <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> (OH,F) <sub>6</sub> ]· <i>n</i> H <sub>2</sub> O, and its crystal structure. <i>Mineralogical Magazine</i> , 0, , 1-6.	1.4	2
70	Iterative Suzuki-Miyaura Cross-coupling/Bromo-desilylation Reaction Sequences for the Assembly of Chemically Well-defined, Acyclic Oligopyrrole/Benzenoid Hybrids Embodying Mixed Modes of Connectivity. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3059-3081.	3.3	1
71	Syntheses of Dimethyl (1 <i>S</i> ,2 <i>R</i> )-3-Bromocyclohexa-3,5-diene-1,2-dicarboxylate and Its Enantiomer. <i>Journal of Organic Chemistry</i> , 2020, 85, 2303-2311.	3.2	0
72	Syntheses of the (±)-, (+)-, and (−)-Forms of 2-Amino-3-(8-Hydroxyquinolin-3-yl)propanoic Acid (8HQ-3Ala) from a Common Dehydroamino Acid Methyl Ester Precursor. <i>Asian Journal of Organic Chemistry</i> , 0, , .	2.7	0