

Anthony G M Barrett

List of Publications by Year in descending order

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3337
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#	ARTICLE	IF	CITATIONS
1	Intramolecular Hydroamination of Aminoalkenes by Calcium and Magnesium Complexes: A Synthetic and Mechanistic Study. <i>Journal of the American Chemical Society</i> , 2009, 131, 9670-9685.	13.7	261
2	Heterofunctionalization catalysis with organometallic complexes of calcium, strontium and barium. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2010, 466, 927-963.	2.1	248
3	Calcium-Catalyzed Intermolecular Hydrophosphination. <i>Organometallics</i> , 2007, 26, 2953-2956.	2.3	193
4	Heavier Alkaline Earth Catalysts for the Intermolecular Hydroamination of Vinylarenes, Dienes, and Alkynes. <i>Journal of the American Chemical Society</i> , 2012, 134, 2193-2207.	13.7	182
5	Heavier Group 2 Element Catalyzed Hydrophosphination of Carbodiimides. <i>Organometallics</i> , 2008, 27, 497-499.	2.3	139
6	Heavier Group 2 Metals and Intermolecular Hydroamination: A Computational and Synthetic Assessment. <i>Journal of the American Chemical Society</i> , 2009, 131, 12906-12907.	13.7	139
7	Triazenide Complexes of the Heavier Alkaline Earths: Synthesis, Characterization, And Suitability for Hydroamination Catalysis. <i>Inorganic Chemistry</i> , 2008, 47, 7366-7376.	4.0	138
8	Cation Charge Density and Precatalyst Selection in Group 2-Catalyzed Aminoalkene Hydroamination. <i>Organometallics</i> , 2011, 30, 1493-1506.	2.3	118
9	Heavier Alkaline Earth Amides as Catalysts for the Tischenko Reaction. <i>Organic Letters</i> , 2007, 9, 331-333.	4.6	105
10	Bis(trimethylsilyl)methyl Derivatives of Calcium, Strontium and Barium: Potentially Useful Dialkyls of the Heavy Alkaline Earth Elements. <i>Chemistry - A European Journal</i> , 2008, 14, 11292-11295.	3.3	101
11	Dess-Martin Periodinane Oxidation of Alcohols in the Presence of Stabilized Phosphorus Ylides: A Convenient Method for the Homologation of Alcohols via Unstable Aldehydes. <i>Journal of Organic Chemistry</i> , 1997, 62, 9376-9378.	3.2	95
12	ICEC0942, an Orally Bioavailable Selective Inhibitor of CDK7 for Cancer Treatment. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 1156-1166.	4.1	93
13	Unified Route to the Palmarumycin and Preussomerin Natural Products. Enantioselective Synthesis of (âˆ—)-Preussomerin G. <i>Journal of Organic Chemistry</i> , 2002, 67, 2735-2750.	3.2	79
14	Total Synthesis of the Pentacyclopropane Antifungal Agent FR-900848. <i>Journal of the American Chemical Society</i> , 1996, 118, 11030-11037.	13.7	76
15	Heavier Group 2 Element Catalyzed Hydroamination of Carbodiimides. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 4173-4179.	2.0	76
16	Biomimetic Synthesis of Resorcyolate Natural Products Utilizing Late Stage Aromatization: Concise Total Syntheses of the Marine Antifungal Agents 15G256 ¹ and 15G256 ² . <i>Journal of the American Chemical Society</i> , 2008, 130, 10293-10298.	13.7	76
17	Porphyrazine Binaries: A Synthesis, Characterization, and Spectroscopy of a Metal-Linked Trinuclear Porphyrazine Dimer. <i>Inorganic Chemistry</i> , 1997, 36, 5661-5665.	4.0	71
18	Horner-Emmons Synthesis with Minimal Purification Using ROMPGEL: A Novel High-Loading Matrix for Supported Reagents. <i>Organic Letters</i> , 1999, 1, 579-582.	4.6	66

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19	ROMPgel-Supported Triphenylphosphine with Potential Application in Parallel Synthesis. <i>Organic Letters</i> , 2002, 4, 1975-1977.	4.6	66
20	$\hat{\text{I}}^2$ -Diketiminato Calcium and Magnesium Amides; Model Complexes for Hydroamination Catalysis. <i>Inorganic Chemistry</i> , 2009, 48, 4445-4453.	4.0	66
21	Synthesis, Characterization, and Solution Lability of N-Heterocyclic Carbene Adducts of the Heavier Group 2 Bis(trimethylsilyl)amides. <i>Organometallics</i> , 2008, 27, 3939-3946.	2.3	65
22	Bidirectional Asymmetric Allylboration. A Convenient Asymmetric Synthesis of C ₂ -Symmetric 3-Methylenepentane-1,5-diols and Rapid Access to C ₂ -Symmetric Spiroketal. <i>Journal of Organic Chemistry</i> , 2000, 65, 375-380.	3.2	64
23	Recent Developments in Polyene Cyclizations and Their Applications in Natural Product Synthesis. <i>Synthesis</i> , 2019, 51, 67-82.	2.3	64
24	Impurity Annihilation: $\hat{\text{A}}\hat{\text{E}}\%$ Chromatography-Free Parallel Mitsunobu Reactions. <i>Organic Letters</i> , 2000, 2, 2999-3001.	4.6	63
25	5,10,15,20-Tetraphenylporphyrinorhodium(III) Iodide Catalyzed Cyclopropanation Reactions of Alkenes Using Glycine Ester Hydrochloride. <i>Journal of Organic Chemistry</i> , 2001, 66, 8260-8263.	3.2	63
26	Oxazole Synthesis with Minimal Purification: $\hat{\text{A}}\hat{\text{E}}\%$ Synthesis and Application of a ROMPgel Tosmic Reagent $\hat{\text{A}}\hat{\text{E}}$. <i>Organic Letters</i> , 2001, 3, 271-273.	4.6	63
27	Trifluoromethyl Coordination and C- $\hat{\text{I}}$ -F Bond Activation at Calcium. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6339-6342.	13.8	63
28	Total Synthesis of Aigialomycin D using a One-Pot Ketene Generation $\hat{\text{A}}\hat{\text{E}}$ Trapping $\hat{\text{A}}\hat{\text{E}}$ Aromatization Sequence. <i>Organic Letters</i> , 2009, 11, 4910-4913.	4.6	62
29	Porphyrazines: Designer Macrocycles by Peripheral Substituent Change. <i>Australian Journal of Chemistry</i> , 2008, 61, 235.	0.9	60
30	Ring-Opening Metathesis Polymer Sphere-Supported seco-Porphyrazines: $\hat{\text{A}}\hat{\text{E}}\%$ Efficient and Recyclable Photooxygenation Catalysts. <i>Journal of Organic Chemistry</i> , 2006, 71, 724-729.	3.2	59
31	Heavier group 2 element-catalysed hydroamination of isocyanates. <i>Chemical Communications</i> , 2008, , 5206.	4.1	57
32	Convenient Asymmetric Syntheses of anti- $\hat{\text{I}}^2$ -Amino Alcohols. <i>Journal of Organic Chemistry</i> , 1996, 61, 2677-2685.	3.2	56
33	Total Synthesis and Stereochemical Assignment of the Quinquecyclopropane-Containing Cholesteryl Ester Transfer Protein Inhibitor U-106305. <i>Journal of the American Chemical Society</i> , 1996, 118, 7863-7864.	13.7	55
34	Synthesis of Diverse Macrocyclic Peptidomimetics Utilizing Ring-Closing Metathesis and Solid-Phase Synthesis. <i>Journal of Organic Chemistry</i> , 2004, 69, 1028-1037.	3.2	55
35	Biomimetic Total Synthesis of Cruentaren A via Aromatization of Diketodioxinones. <i>Journal of Organic Chemistry</i> , 2012, 77, 3060-3070.	3.2	55
36	Iterative Cyclopropanation: $\hat{\text{A}}$ A Concise Strategy for the Total Synthesis of the Hexacyclopropane Cholesteryl Ester Transfer Protein Inhibitor U-106305. <i>Journal of the American Chemical Society</i> , 1997, 119, 8608-8615.	13.7	52

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37	Asymmetric Allylboration and Ring Closing Alkene Metathesis: A Novel Strategy for the Synthesis of Glycosphingolipids. <i>Journal of Organic Chemistry</i> , 2000, 65, 6508-6514.	3.2	51
38	Studies on seco-porphyrazines: a case study on serendipity. <i>Dalton Transactions</i> , 2003, , 2093.	3.3	51
39	Porphyrazines as Molecular Scaffolds: Periphery-Core Spin Coupling between Metal Ions of a Schiff Base Porphyrazine. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 462-465.	13.8	50
40	Convenient syntheses of alkyl β -resorcyate derivatives. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1980, , 2272-2277.	0.9	49
41	Alkaline Earth Catalysis of Alkynyl Alcohol Hydroalkoxylation/Cyclization. <i>Organometallics</i> , 2012, 31, 7287-7297.	2.3	48
42	Total Synthesis of (+)-Papouamine: An Antifungal Pentacyclic Alkaloid from a Marine Sponge, <i>Haliclonasp.</i> . <i>Journal of Organic Chemistry</i> , 1996, 61, 685-699.	3.2	45
43	Nucleophilic Substitution Reactions of (Alkoxy)methylene)dimethylammonium Chloride. <i>Journal of Organic Chemistry</i> , 1998, 63, 6273-6280.	3.2	45
44	Studies on the Total Synthesis of Lactonamycin: Construction of Model ABCD Ring Systems. <i>Journal of Organic Chemistry</i> , 2006, 71, 2434-2444.	3.2	45
45	Solitaire and Gemini Metallocene Porphyrazines. <i>Journal of the American Chemical Society</i> , 2001, 123, 4741-4748.	13.7	44
46	A ROMPGEL-Supported N-Hydroxysuccinimide: A Host of Acylations with Minimal Purification. <i>Organic Letters</i> , 2000, 2, 261-264.	4.6	43
47	Regioselective Ring Opening of Vinylcyclopropanes by Hydrogenation with Palladium on Activated Carbon. <i>Journal of Organic Chemistry</i> , 1997, 62, 7673-7678.	3.2	41
48	Parallel Synthesis of Terminal Alkynes Using a ROMPGel-Supported Ethyl 1-Diazo-2-oxopropylphosphonate. <i>Organic Letters</i> , 2004, 6, 835-837.	4.6	41
49	ROMPGel-Supported Thiazolium Iodide: An Efficient Supported Organic Catalyst for Parallel Stetter Reactions. <i>Organic Letters</i> , 2004, 6, 3377-3380.	4.6	40
50	Dissolving metal reduction of esters to alkanes. A method for the deoxygenation of alcohols. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1981, , 1501.	0.9	39
51	β -Keto-dioxinones and β,β' -Diketo-dioxinones in Biomimetic Resorcyate Total Synthesis. <i>Accounts of Chemical Research</i> , 2015, 48, 628-642.	15.6	39
52	Porphyrazinediols: Synthesis, Characterization, and Complexation to Group IVB Metallocenes. <i>Journal of Organic Chemistry</i> , 2000, 65, 1774-1779.	3.2	38
53	Carbodiimide insertion reactions of homoleptic heavier alkaline earth amides and phosphides. <i>Dalton Transactions</i> , 2010, 39, 7393.	3.3	38
54	Total Synthesis of TAK-Kinase Inhibitor LL-Z1640-2 via Consecutive Macrocyclization and Transannular Aromatization. <i>Organic Letters</i> , 2010, 12, 5573-5575.	4.6	36

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55	Catalytic 2,3,4-hexatriene formation by terminal alkyne coupling at calcium. <i>Chemical Communications</i> , 2009, , 2299.	4.1	35
56	Biomimetic Total Synthesis of Angelicoin A and B via a Palladium-Catalyzed Decarboxylative Prenylation-Aromatization Sequence. <i>Organic Letters</i> , 2011, 13, 5748-5750.	4.6	33
57	Synthesis of 6-Substituted-4-Hydroxy-2-pyridinones via Intramolecular Ketene Trapping of Functionalized Enamine-Dioxinones. <i>Organic Letters</i> , 2011, 13, 5156-5159.	4.6	33
58	Impurity annihilation; a strategy for solution phase combinatorial chemistry with minimal purification. <i>Chemical Communications</i> , 1998, , 2317-2318.	4.1	31
59	A Formal Synthesis of Pumiliotoxin 251D, via a Highly Diastereoselective Addition of a Titanium Homoenate to an-Proline Derivative. <i>Journal of Organic Chemistry</i> , 1999, 64, 1410-1411.	3.2	31
60	Solid-Phase Synthesis of Isoxazoles Using Vinyl Ethers as Chameleon Catches. <i>Organic Letters</i> , 2001, 3, 3165-3168.	4.6	31
61	Studies on the Total Synthesis of Lactonamycin: Synthesis of the CDEF Ring System. <i>Journal of Organic Chemistry</i> , 2006, 71, 8151-8158.	3.2	31
62	Cascade Polyketide and Polyene Cyclizations: Biomimetic Total Synthesis of Hongoquercin B. <i>Journal of the American Chemical Society</i> , 2014, 136, 17013-17015.	13.7	31
63	Studies on Mercury(II)-Mediated Opening of Bi- and Tercyclopropane Arrays. <i>Journal of Organic Chemistry</i> , 1997, 62, 4653-4664.	3.2	29
64	Applications of Crotonyl-diisopinocampheylboranes in Synthesis: Total Synthesis of Restrictinol. <i>Journal of Organic Chemistry</i> , 1999, 64, 162-171.	3.2	29
65	Inhibitor Selectivity for Cyclin-Dependent Kinase-7: A Structural, Thermodynamic, and Modelling Study. <i>ChemMedChem</i> , 2017, 12, 372-380.	3.2	29
66	ROMPGEL Scavengers: A High-Loading Supported Anhydride for Sequestering Amines and Hydrazines. <i>Organic Letters</i> , 2000, 2, 2663-2666.	4.6	28
67	Insertion reactions of η^2 -diketiminato-stabilised calcium amides with 1,3-dialkylcarbodiimides. <i>Dalton Transactions</i> , 2008, , 4474.	3.3	28
68	Total Syntheses of Angelicoin A, Hericenone J, and Hericenol A via Migratory Prenyl- and Geranylation-Aromatization Sequences. <i>Journal of Organic Chemistry</i> , 2012, 77, 652-657.	3.2	28
69	Porphyrazines as Molecular Scaffolds: Flexible Syntheses of Novel Multimetallic Complexes. <i>Inorganic Chemistry</i> , 2006, 45, 3686-3694.	4.0	27
70	η^2 -Diketiminato C-H activation with heavier group 2 alkyls. <i>Dalton Transactions</i> , 2009, , 9715.	3.3	27
71	Discovery of a New Class of Liver Receptor Homolog 1 (LRH1) Antagonists: Virtual Screening, Synthesis and Biological Evaluation. <i>ChemMedChem</i> , 2012, 7, 1909-1914.	3.2	27
72	Total syntheses of palmarumycins CP1 and CP2 and CJ-12,371: novel spiro-ketal fungal metabolites. <i>Chemical Communications</i> , 1998, , 809-810.	4.1	26

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73	Reversibility in the protonolysis of a β^2 -diketiminato stabilised calcium bis(trimethylsilyl)amide with benzylamine. Dalton Transactions, 2008, , 1292.	3.3	24
74	Tuning Diketodioxinone Reactivity: Biomimetic Synthesis of the Resorcylate Antibiotic Fungal Metabolites <i>ent</i> -W1278A, -B, and -C, Using Iterative Aromatization Reactions. Journal of Organic Chemistry, 2009, 74, 8139-8142.	3.2	23
75	Meroterpenoid Synthesis via Sequential Polyketide Aromatization and Cationic Polyene Cyclization: Total Syntheses of (+)-Hongoquercin A and B and Related Meroterpenoids. Journal of Organic Chemistry, 2018, 83, 13276-13286.	3.2	23
76	Total Synthesis of Mycophenolic Acid by a Palladium-Catalyzed Decarboxylative Allylation and Biomimetic Aromatization Sequence. European Journal of Organic Chemistry, 2013, 2013, 7313-7319.	2.4	22
77	Tandem asymmetric allylboration-alkene metathesis: a novel strategy for the synthesis of trans-disubstituted homoallylic alcohols. Chemical Communications, 1996, , 2229-2230.	4.1	21
78	Diastereoselective Conjugate Addition to (+)-Camphorsulfonic Acid Derived Nitroalkenes: Synthesis of β -Hydroxy and β -Amino Acids. Journal of Organic Chemistry, 1998, 63, 5818-5823.	3.2	20
79	Lanthanide porphyrane sandwich complexes: synthetic, structural and spectroscopic investigations. Dalton Transactions RSC, 2001, , 3269-3273.	2.3	19
80	Sequential Ketene Generation from Dioxane-4,6-dione-keto-dioxinones for the Synthesis of Terpenoid Resorcylates. Organic Letters, 2016, 18, 1800-1803.	4.6	19
81	Meroterpenoid Synthesis via Sequential Polyketide Aromatization and Radical Anion Cascade Triene Cyclization: Biomimetic Total Syntheses of Austalide Natural Products. Journal of Organic Chemistry, 2019, 84, 4961-4970.	3.2	19
82	Conversion of β -Amino Acids into Bioactive α -Aminoalkyl Resorcylates and Related Dihydroxyisoindolinones. Journal of Organic Chemistry, 2011, 76, 6209-6217.	3.2	18
83	Superalkali-Alkalide Interactions and Ion Pairing in Low-Polarity Solvents. Journal of the American Chemical Society, 2021, 143, 3934-3943.	13.7	17
84	Total Synthesis of Resorcinol Amide Hsp90 Inhibitor AT13387. Journal of Organic Chemistry, 2012, 77, 11296-11301.	3.2	16
85	Palladium(0)-Catalyzed Allylic Alkylation of Diketoester-Dioxinones with Allyl Acetates under Neutral Conditions: Synthesis of Hexasubstituted Benzene Derivatives. Journal of Organic Chemistry, 2012, 77, 3524-3530.	3.2	16
86	Synthesis of Macrosporin and Related 9,10-Anthraquinones by Biomimetic Polyketide Aromatization and Cyclization of β -Benzylresorcylates. European Journal of Organic Chemistry, 2013, 2013, 1318-1326.	2.4	16
87	Total Synthesis of Cristatic Acid Based on Late-Stage Decarboxylative Allylic Migration and Biomimetic Aromatization of a Diketo Dioxinone. European Journal of Organic Chemistry, 2013, 2013, 7604-7610.	2.4	11
88	Biomimetic Synthesis of Functionalized β -Resorcylates from Dioxinone Derivatives. European Journal of Organic Chemistry, 2014, 2014, 4844-4853.	2.4	9
89	Studies on the Total Synthesis of Lactonamycin: Synthesis of the Fused Pentacyclic B-F Ring Unit. European Journal of Organic Chemistry, 2012, 2012, 107-113.	2.4	8
90	Synthetic Studies towards Radicol through Biomimetic Macrolactonization and Transannular Aromatization Reactions. European Journal of Organic Chemistry, 2014, 2014, 4523-4535.	2.4	8

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91	Imino Sulfinamidines: Synthesis and Coordination Chemistry of a Novel Class of Chiral Bidentate Ligands. <i>Inorganic Chemistry</i> , 2006, 45, 3352-3358.	4.0	7
92	1,7-Diazaspiro[5.5]undecane – A Neglected Heterocycle. <i>Organic Letters</i> , 2013, 15, 4992-4995.	4.6	7
93	Biomimetic Syntheses of Analogs of Hongoquercin A and B by Late-Stage Derivatization. <i>Journal of Organic Chemistry</i> , 2021, 86, 1802-1817.	3.2	6
94	Helical Structure of Tercyclopropanedimethanol in Solution. <i>Journal of Organic Chemistry</i> , 2006, 71, 2756-2759.	3.2	5
95	Tuning the Singlet Oxygen Quantum Yield of Near-IR-absorbing Porphyrazines. <i>Photochemistry and Photobiology</i> , 2003, 77, 18-21.	2.5	5
96	Synthesis and Reactions of Benzannulated Spiroaminals: Tetrahydrospirobiquinolines. <i>ACS Omega</i> , 2017, 2, 3241-3249.	3.5	5
97	Biomimetic Syntheses of Amorfrutin C and C Substituted Amorfrutin Analogues. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1258-1265.	2.4	4
98	Design and Diastereoselective Synthesis of Diaryl Steroidal Derivatives. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 3781-3794.	2.4	3
99	Spiroaminals - Crystal Structure and Computational Investigation of Conformational Preferences and Tautomerization Reactions. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5476-5486.	2.4	3
100	Bidirectional Synthesis of Di-tert-butyl (2S,6S,8S)- and (2R,6R,8R)-1,7-Diazaspiro[5.5]undecane-2,8-dicarboxylate and Related Spirodiamines. <i>Journal of Organic Chemistry</i> , 2018, 83, 6783-6787.	3.2	3
101	Synthesis, Aromatization and Derivatization Reactions of 2-(tert-butylbutoxycarbonyl)-5,5-dioxaspiro[5.5]undecane-2-enyl]acetic Acid. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 28-34.		
102	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 478-481.	2.0	2
103	Biomimetic Total Syntheses of Amorfrutins A, B, (S) and (R) and Formal Synthesis of Amorfrutin C. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 2540-2548.	2.4	2
104	Discovery of the Antitumor Effects of a Porphyrazine Diol (Pz 285) in MDA-MB-231 Breast Tumor Xenograft Models in Mice. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 705-709.	2.8	1
105	A REMINISCENCE OR TWO ON PROFESSOR SIR DEREK BARTON, NOBEL LAUREATE. , 2000, , 1-8.		0
106	Medicinal Chemistry in South America: From Tropical Diseases to Cancers and Other Major Afflictions. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 1350-1356.	2.8	0
107	Photolytic Studies on the Generation and Trapping of 6-Oxomethylidencyclohexa-2,4-diene-1-one Derivatives with Various Nucleophiles. <i>Helvetica Chimica Acta</i> , 2021, 104, e2100189.	1.6	0