

Kyriacos C Nicolaou

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

751
papers

57,740
citations

115
h-index

198
g-index

785
ext. papers

61,172
ext. citations

11.9
avg, IF

7.61
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 751 | Total Synthesis of Gukulenin B via Sequential Tropolone Functionalizations.. <i>Journal of the American Chemical Society</i> , 2022 , | 16.4 | 2 |
| 750 | A Highly Convergent Total Synthesis of Norhalichondrin B. <i>Journal of the American Chemical Society</i> , 2021 , | 16.4 | 2 |
| 749 | A Reverse Approach to the Total Synthesis of Halichondrin B. <i>Journal of the American Chemical Society</i> , 2021 , 143, 9267-9276 | 16.4 | 5 |
| 748 | Uncialamycin-based antibody-drug conjugates: Unique enediyne ADCs exhibiting bystander killing effect. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118, | 11.5 | 6 |
| 747 | Design, Synthesis, and Biological Investigation of Thailanstatin A and Spliceostatin D Analogues Containing Tetrahydropyran, Tetrahydrooxazine, and Fluorinated Structural Motifs. <i>Journal of Organic Chemistry</i> , 2021 , 86, 2499-2521 | 4.2 | 1 |
| 746 | Design, Synthesis, and Biological Evaluation of Tubulysin Analogues, Linker-Drugs, and Antibody-Drug Conjugates, Insights into Structure-Activity Relationships, and Tubulysin-Tubulin Binding Derived from X-ray Crystallographic Analysis. <i>Journal of Organic Chemistry</i> , 2021 , 86, 3377-3421 | 4.2 | 1 |
| 745 | Design, Synthesis, and Biological Investigation of Epothilone B Analogues Featuring Lactone, Lactam, and Carbocyclic Macrocycles, Epoxide, Aziridine, and 1,1-Difluorocyclopropane and Other Fluorine Residues. <i>Journal of Organic Chemistry</i> , 2020 , 85, 2865-2917 | 4.2 | 11 |
| 744 | Total Synthesis and Biological Evaluation of Tiancimycins A and B, Yangpumicin A, and Related Anthraquinone-Fused Enediyne Antitumor Antibiotics. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2549-2561 | 16.4 | 20 |
| 743 | Synthesis and Biological Evaluation of Shishijimicin A-Type Linker-Drugs and Antibody-Drug Conjugates. <i>Journal of the American Chemical Society</i> , 2020 , 142, 12890-12899 | 16.4 | 8 |
| 742 | Total Synthesis of the Monomeric Unit of Lomaiviticin A. <i>Journal of the American Chemical Society</i> , 2020 , 142, 20201-20207 | 16.4 | 6 |
| 741 | Streamlined Symmetrical Total Synthesis of Disorazole B and Design, Synthesis, and Biological Investigation of Disorazole Analogues. <i>Journal of the American Chemical Society</i> , 2020 , 142, 15476-15487 | 16.4 | 3 |
| 740 | Perspectives from nearly five decades of total synthesis of natural products and their analogues for biology and medicine. <i>Natural Product Reports</i> , 2020 , 37, 1404-1435 | 15.1 | 26 |
| 739 | The Role of Organic Synthesis in the Emergence and Development of Antibody-Drug Conjugates as Targeted Cancer Therapies. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11206-11241 | 16.4 | 48 |
| 738 | Die Bedeutung der organischen Synthese bei der Entstehung und Entwicklung von Antikörper-Wirkstoff-Konjugaten als gezielte Krebstherapien. <i>Angewandte Chemie</i> , 2019 , 131, 11326 | 3.6 | |
| 737 | DNA Binding and Cleavage Modes of Shishijimicin A. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7842-7852 | 16.4 | 14 |
| 736 | Short Total Synthesis of Prostaglandin J and Related Prostaglandins. Design, Synthesis, and Biological Evaluation of Macrocyclic Prostaglandin J Analogues. <i>Journal of Organic Chemistry</i> , 2019 , 84, 365-378 | 4.2 | 10 |
| 735 | Total Synthesis in Search of Potent Antibody-Drug Conjugate Payloads. From the Fundamentals to the Translational. <i>Accounts of Chemical Research</i> , 2019 , 52, 127-139 | 24.3 | 22 |

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| 734 | Improved Total Synthesis of Tubulysins and Design, Synthesis, and Biological Evaluation of New Tubulysins with Highly Potent Cytotoxicities against Cancer Cells as Potential Payloads for Antibody-Drug Conjugates. <i>Journal of the American Chemical Society</i> , 2018 , 140, 3690-3711 | 16.4 | 34 |
| 733 | The Emergence and Evolution of Organic Synthesis and Why It is Important to Sustain It as an Advancing Art and Science for Its Own Sake. <i>Israel Journal of Chemistry</i> , 2018 , 58, 104-113 | 3.4 | 23 |
| 732 | A brief history of antibiotics and select advances in their synthesis. <i>Journal of Antibiotics</i> , 2018 , 71, 153-184 | 3.4 | 65 |
| 731 | Total Synthesis and Full Structural Assignment of Namenamicin. <i>Journal of the American Chemical Society</i> , 2018 , 140, 8091-8095 | 16.4 | 15 |
| 730 | Syntheses of Cyclopropyl Analogues of Disorazoles A and B and Their Thiazole Counterparts. <i>Journal of Organic Chemistry</i> , 2018 , 83, 12374-12389 | 4.2 | 6 |
| 729 | Streamlined Total Synthesis of Shishijimicin A and Its Application to the Design, Synthesis, and Biological Evaluation of Analogues thereof and Practical Syntheses of PhthNSSMe and Related Sulfonylating Reagents. <i>Journal of the American Chemical Society</i> , 2018 , 140, 12120-12136 | 16.4 | 26 |
| 728 | Total Syntheses of Thailanstatins A-C, Spliceostatin D, and Analogues Thereof. Stereodivergent Synthesis of Tetrasubstituted Dihydro- and Tetrahydropyrans and Design, Synthesis, Biological Evaluation, and Discovery of Potent Antitumor Agents. <i>Journal of the American Chemical Society</i> , 2018 , 140, 8303-8320 | 16.4 | 35 |
| 727 | Asymmetric Alkylation of Anthrones, Enantioselective Total Synthesis of (-)- and (+)-Viridicatumtoxins B and Analogues Thereof: Absolute Configuration and Potent Antibacterial Agents. <i>Journal of the American Chemical Society</i> , 2017 , 139, 3736-3746 | 16.4 | 23 |
| 726 | 12,13-Aziridinyl Epothilones. Stereoselective Synthesis of Trisubstituted Olefinic Bonds from Methyl Ketones and Heteroaromatic Phosphonates and Design, Synthesis, and Biological Evaluation of Potent Antitumor Agents. <i>Journal of the American Chemical Society</i> , 2017 , 139, 7318-7334 | 16.4 | 28 |
| 725 | The Evolution and Impact of Total Synthesis on Chemistry, Biology and Medicine. <i>Israel Journal of Chemistry</i> , 2017 , 57, 179-191 | 3.4 | 5 |
| 724 | Experimental Evolution of Diverse Strains as a Method for the Determination of Biochemical Mechanisms of Action for Novel Pyrrolizidinone Antibiotics. <i>ACS Infectious Diseases</i> , 2017 , 3, 854-865 | 5.5 | 4 |
| 723 | Streamlined Total Synthesis of Trioxacarcins and Its Application to the Design, Synthesis, and Biological Evaluation of Analogues Thereof. Discovery of Simpler Designed and Potent Trioxacarcin Analogues. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15467-15478 | 16.4 | 11 |
| 722 | Enantioselective Total Synthesis of Antibiotic CJ-16,264, Synthesis and Biological Evaluation of Designed Analogues, and Discovery of Highly Potent and Simpler Antibacterial Agents. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15868-15877 | 16.4 | 12 |
| 721 | Total Syntheses of Disorazoles A ^a and B ^b and Full Structural Elucidation of Disorazole B ^b . <i>Journal of the American Chemical Society</i> , 2017 , 139, 15636-15639 | 16.4 | 21 |
| 720 | Streamlined Total Synthesis of Uncialamycin and Its Application to the Synthesis of Designed Analogues for Biological Investigations. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8235-46 | 16.4 | 55 |
| 719 | Total Synthesis of Thailanstatin A. <i>Journal of the American Chemical Society</i> , 2016 , 138, 7532-5 | 16.4 | 33 |
| 718 | Total Synthesis and Biological Evaluation of Natural and Designed Tubulysins. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1698-708 | 16.4 | 62 |
| 717 | Total Synthesis of Trioxacarcins DC-45-A1, A, D, C, and C7?-epi-C and Full Structural Assignment of Trioxacarcin C. <i>Journal of the American Chemical Society</i> , 2016 , 138, 3118-24 | 16.4 | 32 |

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| 716 | Efficient Synthesis of Dimeric Oxazoles, Piperidines and Tetrahydroisoquinolines from N-Substituted 2-Oxazolones. <i>Chemistry - A European Journal</i> , 2016 , 22, 7696-701 | 4.8 | 6 |
| 715 | Total Synthesis of (12)-Prostaglandin J3 : Evolution of Synthetic Strategies to a Streamlined Process. <i>Chemistry - A European Journal</i> , 2016 , 22, 8559-70 | 4.8 | 18 |
| 714 | Susceptibilities of enterovirus D68, enterovirus 71, and rhinovirus 87 strains to various antiviral compounds. <i>Antiviral Research</i> , 2016 , 131, 61-5 | 10.8 | 35 |
| 713 | Synthesis and Biological Investigation of (12)-Prostaglandin J3 ((12)-PGJ3) Analogues and Related Compounds. <i>Journal of the American Chemical Society</i> , 2016 , 138, 6550-60 | 16.4 | 25 |
| 712 | Synthesis and Biopharmaceutical Evaluation of Imatinib Analogues Featuring Unusual Structural Motifs. <i>ChemMedChem</i> , 2016 , 11, 31-7 | 3.7 | 57 |
| 711 | Total synthesis of trioxacarcin DC-45-A2. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 3074-8 | 16.4 | 21 |
| 710 | Total Synthesis of Shishijimicin A. <i>Journal of the American Chemical Society</i> , 2015 , 137, 8716-9 | 16.4 | 36 |
| 709 | Synthesis and biological evaluation of dimeric furanoid macroheterocycles: discovery of new anticancer agents. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4766-70 | 16.4 | 4 |
| 708 | Total Synthesis and Structural Revision of Antibiotic CJ-16,264. <i>Angewandte Chemie</i> , 2015 , 127, 9335-9340 | 16.4 | 8 |
| 707 | Practical Synthesis of p- and o-Amino- and Methoxyphenolic Anthraquinones. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12687-91 | 16.4 | 15 |
| 706 | Synthesis and Biological Evaluation of Novel Epothilone B Side Chain Analogues. <i>ChemMedChem</i> , 2015 , 10, 1974-9 | 3.7 | 8 |
| 705 | Total Synthesis of Trioxacarcin DC-45-A2. <i>Angewandte Chemie</i> , 2015 , 127, 3117-3121 | 3.6 | 6 |
| 704 | Practical Synthesis of p- and o-Amino- and Methoxyphenolic Anthraquinones. <i>Angewandte Chemie</i> , 2015 , 127, 12878-12882 | 3.6 | 4 |
| 703 | Total Synthesis and Structural Revision of Antibiotic CJ-16,264. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 9203-8 | 16.4 | 31 |
| 702 | In vivo arrhythmogenicity of the marine biotoxin azaspiracid-2 in rats. <i>Archives of Toxicology</i> , 2014 , 88, 425-34 | 5.8 | 22 |
| 701 | Synthesis and biological evaluation of QRSTUVWXYZ' domains of maitotoxin. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16444-51 | 16.4 | 24 |
| 700 | Advancing the Drug Discovery and Development Process. <i>Angewandte Chemie</i> , 2014 , 126, 9280-9292 | 3.6 | 16 |
| 699 | Organic synthesis: the art and science of replicating the molecules of living nature and creating others like them in the laboratory. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2014 , 470, 20130690 | 2.4 | 46 |

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| 698 | The chemistry-biology-medicine continuum and the drug discovery and development process in academia. <i>Chemistry and Biology</i> , 2014 , 21, 1039-45 | 14 |
| 697 | Total synthesis of myceliothermophins C, D, and E. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10970-4 | 16.4 30 |
| 696 | Total synthesis of $\text{P}_2\text{-prostaglandin J}_3$ a highly potent and selective antileukemic agent. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10443-7 | 16.4 32 |
| 695 | Total synthesis of viridicatumtoxin B and analogues thereof: strategy evolution, structural revision, and biological evaluation. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12137-60 | 16.4 40 |
| 694 | Advancing the drug discovery and development process. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9128-40 | 16.4 53 |
| 693 | Cyclic marinopyrrole derivatives as disruptors of Mcl-1 and Bcl-x(L) binding to Bim. <i>Marine Drugs</i> , 2014 , 12, 1335-48 | 6 13 |
| 692 | Marinopyrrole derivatives with sulfide spacers as selective disruptors of Mcl-1 binding to pro-apoptotic protein Bim. <i>Marine Drugs</i> , 2014 , 12, 4311-25 | 6 8 |
| 691 | Total Synthesis of Myceliothermophins C, D, and E. <i>Angewandte Chemie</i> , 2014 , 126, 11150-11154 | 3.6 8 |
| 690 | In Vitro chronic effects on hERG channel caused by the marine biotoxin azaspiracid-2. <i>Toxicon</i> , 2014 , 91, 69-75 | 2.8 14 |
| 689 | Total Synthesis of $\text{P}_2\text{-Prostaglandin J}_3$, a Highly Potent and Selective Antileukemic Agent. <i>Angewandte Chemie</i> , 2014 , 126, 10611-10615 | 3.6 11 |
| 688 | The endeavor of total synthesis and its impact on chemistry, biology and medicine. <i>National Science Review</i> , 2014 , 1, 233-252 | 10.8 8 |
| 687 | Microsphere-based immunoassay for the detection of azaspiracids. <i>Analytical Biochemistry</i> , 2014 , 447, 58-63 | 3.1 15 |
| 686 | Total synthesis and structural revision of viridicatumtoxin B. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8736-41 | 16.4 26 |
| 685 | Totalsynthese und Revidierung der Struktur von Viridicatumtoxin B. <i>Angewandte Chemie</i> , 2013 , 125, 8898-8904 | 3.6 6 |
| 684 | The emergence of the structure of the molecule and the art of its synthesis. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 131-46 | 16.4 26 |
| 683 | Vom Aufkommen des Molek $\ddot{\text{l}}$ konzepts zur Kunst der Molek $\ddot{\text{l}}$ Synthese. <i>Angewandte Chemie</i> , 2013 , 125, 141-157 | 3.6 7 |
| 682 | Synthesis and antioxidant evaluation of (S,S)- and (R,R)-secoisolariciresinol diglucosides (SDGs). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 5325-8 | 2.9 27 |
| 681 | General synthetic approach to functionalized dihydrooxepines. <i>Organic Letters</i> , 2013 , 15, 1994-7 | 6.2 26 |

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| 680 | Synthesis and biological evaluation of new paclitaxel analogs and discovery of potent antitumor agents. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 4154-63 | 3.9 | 16 |
| 679 | Bio-inspired synthesis and biological evaluation of a colchicine-related compound library. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 3776-80 | 2.9 | 30 |
| 678 | A practical sulfenylation of 2,5-diketopiperazines. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 728-32 | 16.4 | 44 |
| 677 | Arylsulfonamide KCN1 inhibits in vivo glioma growth and interferes with HIF signaling by disrupting HIF-1 α -interaction with cofactors p300/CBP. <i>Clinical Cancer Research</i> , 2012 , 18, 6623-33 | 12.9 | 61 |
| 676 | Wie Thiomarin im Labor synthetisiert wurde. <i>Angewandte Chemie</i> , 2012 , 124, 12582-12604 | 3.6 | 4 |
| 675 | How thiostrepton was made in the laboratory. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 12414-12436 | 16.4 | 20 |
| 674 | Synthesis and biological evaluation of epidithio-, epitetrathio-, and bis-(methylthio)diketopiperazines: synthetic methodology, enantioselective total synthesis of epicoccin G, 8,8'-epi-ent-rostratin B, gliotoxin, gliotoxin G, emethallicin E, and haematocin and discovery of new antiviral and antimarial agents. <i>Journal of the American Chemical Society</i> , 2012 , 134, 17320-32. | 16.4 | 101 |
| 673 | Total Synthesis of Natural Products and the Synergy with Synthetic Methodology 2012 , 33-79 | | |
| 672 | A total synthesis trilogy: calicheamicin α (I), Taxol β , and brevetoxin A. <i>Chemical Record</i> , 2012 , 12, 407-41 | 6.6 | 21 |
| 671 | Synthesis of macroheterocycles through intramolecular oxidative coupling of furanoid α -ketoesters. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 4726-30 | 16.4 | 30 |
| 670 | Constructing molecular complexity and diversity: total synthesis of natural products of biological and medicinal importance. <i>Chemical Society Reviews</i> , 2012 , 41, 5185-238 | 58.5 | 162 |
| 669 | Aldehyde dehydrogenase inhibitors: a comprehensive review of the pharmacology, mechanism of action, substrate specificity, and clinical application. <i>Pharmacological Reviews</i> , 2012 , 64, 520-39 | 22.5 | 346 |
| 668 | Total syntheses of anomine and tubingensin A. <i>Journal of the American Chemical Society</i> , 2012 , 134, 8078-81 | 16.4 | 103 |
| 667 | Total synthesis of epicoccin G. <i>Journal of the American Chemical Society</i> , 2011 , 133, 8150-3 | 16.4 | 72 |
| 666 | Synthesis of the C'D'E'F' domain of maitotoxin. <i>Journal of the American Chemical Society</i> , 2011 , 133, 214-226.4 | 16.4 | 24 |
| 665 | Synthesis of the WXYZA' domain of maitotoxin. <i>Journal of the American Chemical Society</i> , 2011 , 133, 220-236.4 | 16.4 | 43 |
| 664 | Synthesis of the carboline disaccharide domain of shishijimicin A. <i>Organic Letters</i> , 2011 , 13, 3924-7 | 6.2 | 18 |
| 663 | Synthesis and biological evaluation of 2',4'- and 3',4'-bridged nucleoside analogues. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 5648-69 | 3.4 | 17 |

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| 662 | Sulfonamides as a new scaffold for hypoxia inducible factor pathway inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 5528-32 | 2.9 | 32 |
| 661 | Maitotoxin: An Inspiration for Synthesis. <i>Israel Journal of Chemistry</i> , 2011 , 51, 359-377 | 3.4 | 25 |
| 660 | Proteomic signature of fatty acid biosynthesis inhibition available for in vivo mechanism-of-action studies. <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 2590-6 | 5.9 | 47 |
| 659 | Die Stärkung des Bildungswesens. <i>Angewandte Chemie</i> , 2011 , 123, 65-76 | 3.6 | 1 |
| 658 | Total Synthesis and Biological Evaluation of Monorhizopodin and 16-epi-Monorhizopodin. <i>Angewandte Chemie</i> , 2011 , 123, 1171-1176 | 3.6 | 16 |
| 657 | Invigorating education. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 63-74 | 16.4 | 4 |
| 656 | Total synthesis and biological evaluation of monorhizopodin and 16-epi-monorhizopodin. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1139-44 | 16.4 | 51 |
| 655 | An expedient synthesis of a functionalized core structure of bielschowskysin. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 5149-52 | 16.4 | 40 |
| 654 | Enantioselective dichlorination of allylic alcohols. <i>Journal of the American Chemical Society</i> , 2011 , 133, 8134-7 | 16.4 | 193 |
| 653 | Design, synthesis, and biological evaluation of a biyouyanagin compound library. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 6715-20 | 11.5 | 32 |
| 652 | Addressing the stereochemistry of complex organic molecules by density functional theory-NMR: vannusal B in retrospective. <i>Journal of the American Chemical Society</i> , 2011 , 133, 6072-7 | 16.4 | 109 |
| 651 | Bioinspired synthesis of hirsutellones A, B, and C. <i>Organic Letters</i> , 2011 , 13, 5708-10 | 6.2 | 33 |
| 650 | Total synthesis and biological evaluation of marinopyrrole A and analogues. <i>Tetrahedron Letters</i> , 2011 , 52, 2041-2043 | 2 | 34 |
| 649 | Involvement of caspase activation in azaspiracid-induced neurotoxicity in neocortical neurons. <i>Toxicological Sciences</i> , 2010 , 114, 323-34 | 4.4 | 39 |
| 648 | Synthesis of the QRSTU domain of maitotoxin and its 85-epi- and 86-epi-diastereoisomers. <i>Journal of the American Chemical Society</i> , 2010 , 132, 9900-7 | 16.4 | 29 |
| 647 | Total synthesis of englerin A. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8219-22 | 16.4 | 114 |
| 646 | Origins of regioselectivity of Diels-Alder reactions for the synthesis of bisanthraquinone antibiotic BE-43472B. <i>Journal of Organic Chemistry</i> , 2010 , 75, 922-8 | 4.2 | 17 |
| 645 | Total synthesis of echinopines A and B. <i>Journal of the American Chemical Society</i> , 2010 , 132, 3815-8 | 16.4 | 56 |

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|-----|--|------|-----|
| 644 | An expedient procedure for the oxidative cleavage of olefinic bonds with PhI(OAc)2, NMO, and catalytic OsO4. <i>Organic Letters</i> , 2010 , 12, 1552-5 | 6.2 | 121 |
| 643 | Total synthesis and structural revision of vannusals A and B: synthesis of the true structures of vannusals A and B. <i>Journal of the American Chemical Society</i> , 2010 , 132, 7153-76 | 16.4 | 43 |
| 642 | Total synthesis of sporolide B and 9-epi-sporolide B. <i>Journal of the American Chemical Society</i> , 2010 , 132, 11350-63 | 16.4 | 45 |
| 641 | Total synthesis and structural revision of vannusals A and B: synthesis of the originally assigned structure of vannusal B. <i>Journal of the American Chemical Society</i> , 2010 , 132, 7138-52 | 16.4 | 56 |
| 640 | Synthesis of the ABCDEFG ring system of maitotoxin. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6855-61 | 16.4 | 55 |
| 639 | Total synthesis and biological evaluation of the resveratrol-derived polyphenol natural products hopeanol and hopeahainol A. <i>Journal of the American Chemical Society</i> , 2010 , 132, 7540-8 | 16.4 | 113 |
| 638 | Cell volume decrease as a link between azaspiracid-induced cytotoxicity and c-Jun-N-terminal kinase activation in cultured neurons. <i>Toxicological Sciences</i> , 2010 , 113, 158-68 | 4.4 | 27 |
| 637 | Total synthesis and structural revision of biyouyanagin B. <i>Chemistry - A European Journal</i> , 2010 , 16, 7678-88 | 20 | |
| 636 | Asymmetric total synthesis of cylindrocyclophanes A and F through cyclodimerization and a Ramberg-Bäklund reaction. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 5875-8 | 16.4 | 37 |
| 635 | Rhodium-Catalyzed Asymmetric Enyne Cycloisomerization. <i>Synfacts</i> , 2009 , 2009, 1128-1128 | 0 | 2 |
| 634 | Discoveries from the Abyss: The Abyssomicins and Their Total Synthesis. <i>Synthesis</i> , 2009 , 2009, 33-42 | 2.9 | 23 |
| 633 | Synthesis of (+)-BE-43472B. <i>Synfacts</i> , 2009 , 2009, 1065-1065 | 0 | 2 |
| 632 | Identification of a novel small molecule HIF-1alpha translation inhibitor. <i>Clinical Cancer Research</i> , 2009 , 15, 6128-36 | 12.9 | 84 |
| 631 | Monoclonal antibodies with orthogonal azaspiracid epitopes. <i>ChemBioChem</i> , 2009 , 10, 1625-9 | 3.8 | 11 |
| 630 | Recent advances in the chemistry and biology of naturally occurring antibiotics. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 660-719 | 16.4 | 182 |
| 629 | Total synthesis and absolute configuration of the bisanthraquinone antibiotic BE-43472B. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 3444-8 | 16.4 | 51 |
| 628 | Total synthesis of sporolide B. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 3449-53 | 16.4 | 71 |
| 627 | Rhodium-catalyzed asymmetric enyne cycloisomerization of terminal alkynes and formal total synthesis of (-)-platensimycin. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 6293-5 | 16.4 | 77 |

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| 626 | The true structures of the vannusals, part 1: Initial forays into suspected structures and intelligence gathering. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5642-7 | 16.4 | 35 |
| 625 | The true structures of the vannusals, part 2: Total synthesis and revised structure of vannusal B. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5648-52 | 16.4 | 34 |
| 624 | Samarium diiodide mediated reactions in total synthesis. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 7140-65 | 16.4 | 37 ^o |
| 623 | Synthesis of the monomeric unit of the lomaiviticin aglycon. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5860-3 | 16.4 | 41 |
| 622 | Total synthesis of hirsutellone B. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 6870-4 | 16.4 | 94 |
| 621 | Cortistatin A is a high-affinity ligand of protein kinases ROCK, CDK8, and CDK11. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8952-7 | 16.4 | 77 |
| 620 | Total Synthesis of Tovophyllin B. <i>Tetrahedron Letters</i> , 2009 , 50, 1161-1163 | 2 | 46 |
| 619 | Identification of distinct thiopeptide-antibiotic precursor lead compounds using translation machinery assays. <i>Chemistry and Biology</i> , 2009 , 16, 1087-96 | | 24 |
| 618 | From nature to the laboratory and into the clinic. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 2290-303 _{3.4} | | 68 |
| 617 | Inspirations, discoveries, and future perspectives in total synthesis. <i>Journal of Organic Chemistry</i> , 2009 , 74, 951-72 | 4.2 | 37 |
| 616 | The beta-D-glucose scaffold as a beta-turn mimetic. <i>Accounts of Chemical Research</i> , 2009 , 42, 1511-20 | 24.3 | 55 |
| 615 | Total syntheses of (+/-)-platencin and (-)-platencin. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15909-17 | 16.4 | 79 |
| 614 | The art of total synthesis through cascade reactions. <i>Chemical Society Reviews</i> , 2009 , 38, 2993-3009 | 58.5 | 592 |
| 613 | Total synthesis of platensimycin and related natural products. <i>Journal of the American Chemical Society</i> , 2009 , 131, 16905-18 | 16.4 | 140 |
| 612 | Enantioselective intramolecular Friedel-Crafts-type alpha-arylation of aldehydes. <i>Journal of the American Chemical Society</i> , 2009 , 131, 2086-7 | 16.4 | 163 |
| 611 | Total synthesis and biological evaluation of (+)- and (-)-bisanthraquinone antibiotic BE-43472B and related compounds. <i>Journal of the American Chemical Society</i> , 2009 , 131, 14812-26 | 16.4 | 47 |
| 610 | New synthetic technologies for the construction of heterocycles and tryptamines. <i>Journal of the American Chemical Society</i> , 2009 , 131, 3690-9 | 16.4 | 44 |
| 609 | Total synthesis and biological evaluation of cortistatins A and J and analogues thereof. <i>Journal of the American Chemical Society</i> , 2009 , 131, 10587-97 | 16.4 | 85 |

| | | | |
|-----|--|------|-----|
| 608 | Chemical synthesis and biological evaluation of palmerolide A analogues. <i>Journal of the American Chemical Society</i> , 2008 , 130, 10019-23 | 16.4 | 52 |
| 607 | A concise asymmetric total synthesis of aspidophytine. <i>Journal of the American Chemical Society</i> , 2008 , 130, 14942-3 | 16.4 | 76 |
| 606 | Total synthesis of the originally proposed and revised structures of palmerolide A and isomers thereof. <i>Journal of the American Chemical Society</i> , 2008 , 130, 3633-44 | 16.4 | 116 |
| 605 | Design, synthesis, and biological evaluation of platensimycin analogues with varying degrees of molecular complexity. <i>Journal of the American Chemical Society</i> , 2008 , 130, 13110-9 | 16.4 | 120 |
| 604 | Synthesis of the sporolide ring framework through a cascade sequence involving an intramolecular [4+2] cycloaddition reaction of an o-quinone. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 1432-5 | 16.4 | 19 |
| 603 | An expedient asymmetric synthesis of platencin. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11292-3 | 16.4 | 71 |
| 602 | Azaspiracid substituent at C1 is relevant to in vitro toxicity. <i>Chemical Research in Toxicology</i> , 2008 , 21, 1823-31 | 4 | 17 |
| 601 | Chemical Synthesis of the GHIJKLMNO Ring System of Maitotoxin. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7466-76 | 16.4 | 62 |
| 600 | Total synthesis, revised structure, and biological evaluation of biyouyanagin A and analogues thereof. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11114-21 | 16.4 | 84 |
| 599 | Total synthesis of complex heterocyclic natural products. <i>Pure and Applied Chemistry</i> , 2008 , 80, 727-742 | 2.1 | 23 |
| 598 | Cytotoxic effect of azaspiracid-2 and azaspiracid-2-methyl ester in cultured neurons: involvement of the c-Jun N-terminal kinase. <i>Journal of Neuroscience Research</i> , 2008 , 86, 2952-62 | 4.4 | 14 |
| 597 | Asymmetric synthesis and biological properties of uncialamycin and 26-epi-uncialamycin. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 185-9 | 16.4 | 47 |
| 596 | Total synthesis of platencin. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 1780-3 | 16.4 | 114 |
| 595 | An expedient strategy for the synthesis of tryptamines and other heterocycles. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4217-20 | 16.4 | 26 |
| 594 | The continuing saga of the marine polyether biotoxins. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 7182-225 | 16.4 | 156 |
| 593 | Total syntheses and structural revision of alpha- and beta-diversonolic esters and total syntheses of diversonol and blennolide C. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 6579-82 | 16.4 | 85 |
| 592 | Total synthesis of the originally assigned structure of vannusal B. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8605-10 | 16.4 | 47 |
| 591 | Total synthesis of atrochamins F, H, I, and J through cascade reactions. <i>Tetrahedron</i> , 2008 , 64, 4736-4757 | 2.4 | 19 |

| | | | |
|-----|--|------|-----|
| 590 | Total synthesis of thiopeptide antibiotics GE2270A, GE2270T, and GE2270C1. <i>Chemistry - an Asian Journal</i> , 2008 , 3, 413-29 | 4.5 | 52 |
| 589 | Total syntheses of 2,2'-epi-cytoskyrin A, rugulosin, and the alleged structure of rugulin. <i>Journal of the American Chemical Society</i> , 2007 , 129, 4001-13 | 16.4 | 68 |
| 588 | Total synthesis of marinomycins A-C and of their monomeric counterparts monomarinomycin A and iso-monomarinomycin A. <i>Journal of the American Chemical Society</i> , 2007 , 129, 1760-8 | 16.4 | 61 |
| 587 | Formal synthesis of (+/-)-platensimycin. <i>Chemical Communications</i> , 2007 , 1922-3 | 5.8 | 93 |
| 586 | New synthetic technology for the construction of N-hydroxyindoles and synthesis of nocathiacin I model systems. <i>Tetrahedron</i> , 2007 , 63, 6088-6114 | 2.4 | 46 |
| 585 | Total synthesis and antibacterial properties of carbaplatensimycin. <i>Journal of the American Chemical Society</i> , 2007 , 129, 14850-1 | 16.4 | 85 |
| 584 | On the structure of maitotoxin. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 5278-82 | 16.4 | 64 |
| 583 | Asymmetric total syntheses of platensimycin. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 3942-56.4 | 186 | |
| 582 | Total synthesis and stereochemistry of uncialamycin. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4704-7 | 16.4 | 63 |
| 581 | Adamantaplatensimycin: a bioactive analogue of platensimycin. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4712-4 | 16.4 | 118 |
| 580 | Total synthesis and revised structure of biyouyanagin A. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4708-11 | 16.4 | 98 |
| 579 | Cascade reactions involving formal [2+2] thermal cycloadditions: total synthesis of artochamins F, H, I, and J. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7501-5 | 16.4 | 33 |
| 578 | Chemical synthesis of the GHIJK ring system and further experimental support for the originally assigned structure of maitotoxin. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 8875-9 | 16.4 | 63 |
| 577 | The chemistry and biology of epothilones--the wheel keeps turning. <i>ChemMedChem</i> , 2007 , 2, 396-423 | 3.7 | 114 |
| 576 | Irreversible cytoskeletal disarrangement is independent of caspase activation during in vitro azaspiracid toxicity in human neuroblastoma cells. <i>Biochemical Pharmacology</i> , 2007 , 74, 327-35 | 6 | 37 |
| 575 | The c-Jun-N-terminal kinase is involved in the neurotoxic effect of azaspiracid-1. <i>Cellular Physiology and Biochemistry</i> , 2007 , 20, 957-66 | 3.9 | 24 |
| 574 | Total synthesis of kinamycins C, F, and J. <i>Journal of the American Chemical Society</i> , 2007 , 129, 10356-7 | 16.4 | 83 |
| 573 | Total synthesis of abyssomicin C, atrop-abyssomicin C, and abyssomicin D: implications for natural origins of atrop-abyssomicin C. <i>Journal of the American Chemical Society</i> , 2007 , 129, 429-40 | 16.4 | 96 |

| | | | |
|-----|---|------|------|
| 572 | Effects of azaspiracid-1, a potent cytotoxic agent, on primary neuronal cultures. A structure-activity relationship study. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 356-63 | 8.3 | 52 |
| 571 | Stereocontrolled synthesis of model core systems of lomaiviticins A and B. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 2076-81 | 16.4 | 40 |
| 570 | Total synthesis and confirmation of the revised structures of azaspiracid-2 and azaspiracid-3. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 2609-15 | 16.4 | 62 |
| 569 | Total synthesis of abyssomicin C and atrop-abysomicin C. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 3256-60 | 16.4 | 98 |
| 568 | Synthesis of highly substituted N-hydroxyindoles through 1,5-addition of carbon nucleophiles to in situ generated unsaturated nitrones. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 5364-8 | 16.4 | 32 |
| 567 | Cascade reactions in total synthesis. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7134-86 | 16.4 | 1804 |
| 566 | Total synthesis of platensimycin. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7086-90 | 16.4 | 170 |
| 565 | Molecular design and chemical synthesis of a highly potent epothilone. <i>ChemMedChem</i> , 2006 , 1, 41-4 | 3.7 | 41 |
| 564 | Synergistic effects of peloruside A and laulimalide with taxoid site drugs, but not with each other, on tubulin assembly. <i>Molecular Pharmacology</i> , 2006 , 70, 1555-64 | 4.3 | 107 |
| 563 | Origins of selectivity in pericyclic reaction cascades for the synthesis of gambogin and lateriflorone. <i>Organic Letters</i> , 2006 , 8, 2989-92 | 6.2 | 19 |
| 562 | Synthesis of iso-epoxy-amphidinolide N and des-epoxy-caribenolide I structures. Revised strategy and final stages. <i>Organic and Biomolecular Chemistry</i> , 2006 , 4, 2158-83 | 3.9 | 62 |
| 561 | Synthesis of iso-epoxy-amphidinolide N and des-epoxy-caribenolide I structures. Initial forays. <i>Organic and Biomolecular Chemistry</i> , 2006 , 4, 2119-57 | 3.9 | 15 |
| 560 | Total synthesis of marinomycins A-C. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6527-32 | 16.4 | 43 |
| 559 | Total synthesis and biological evaluation of halipeptins A and D and analogues. <i>Journal of the American Chemical Society</i> , 2006 , 128, 4460-70 | 16.4 | 52 |
| 558 | Total synthesis and structural elucidation of azaspiracid-1. Construction of key building blocks for originally proposed structure. <i>Journal of the American Chemical Society</i> , 2006 , 128, 2244-57 | 16.4 | 64 |
| 557 | Cell growth inhibition and actin cytoskeleton disorganization induced by azaspiracid-1 structure-activity studies. <i>Chemical Research in Toxicology</i> , 2006 , 19, 1459-66 | 4 | 53 |
| 556 | Total synthesis and structural elucidation of azaspiracid-1. Synthesis-based analysis of originally proposed structures and indication of their non-identity to the natural product. <i>Journal of the American Chemical Society</i> , 2006 , 128, 2258-67 | 16.4 | 50 |
| 555 | Total synthesis and structural elucidation of azaspiracid-1. Final assignment and total synthesis of the correct structure of azaspiracid-1. <i>Journal of the American Chemical Society</i> , 2006 , 128, 2859-72 | 16.4 | 89 |

| | | | |
|-----|---|------|------|
| 554 | Azaspiracids modulate intracellular pH levels in human lymphocytes. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 346, 1091-9 | 3.4 | 33 |
| 553 | Second-generation total synthesis of azaspiracids-1, -2, and -3. <i>Chemistry - an Asian Journal</i> , 2006 , 1, 245-43 | 35 | |
| 552 | Total synthesis of floresolide B and Delta(6,7)-Z-floresolide B. <i>Chemical Communications</i> , 2006 , 600-2 | 5.8 | 41 |
| 551 | The total synthesis of coleophomones B, C, and D. <i>Journal of the American Chemical Society</i> , 2005 , 127, 8872-88 | 16.4 | 96 |
| 550 | Discovery of a biologically active thiostrepton fragment. <i>Journal of the American Chemical Society</i> , 2005 , 127, 15042-4 | 16.4 | 60 |
| 549 | Total synthesis of thiostrepton. Assembly of key building blocks and completion of the synthesis. <i>Journal of the American Chemical Society</i> , 2005 , 127, 11176-83 | 16.4 | 86 |
| 548 | Total synthesis of thiostrepton. Retrosynthetic analysis and construction of key building blocks. <i>Journal of the American Chemical Society</i> , 2005 , 127, 11159-75 | 16.4 | 117 |
| 547 | Joys of molecules. 1. Campaigns in total synthesis. <i>Journal of Organic Chemistry</i> , 2005 , 70, 7007-27 | 4.2 | 22 |
| 546 | Joys of molecules. 2. Endeavors in chemical biology and medicinal chemistry. <i>Journal of Medicinal Chemistry</i> , 2005 , 48, 5613-38 | 8.3 | 18 |
| 545 | Chasing molecules that were never there: misassigned natural products and the role of chemical synthesis in modern structure elucidation. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1012-1044 | 16.4 | 489 |
| 544 | A mild and selective method for the hydrolysis of esters with trimethyltin hydroxide. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1378-82 | 16.4 | 279 |
| 543 | Biomimetic total synthesis of gambogin and rate acceleration of pericyclic reactions in aqueous media. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 756-61 | 16.4 | 80 |
| 542 | Studies toward the synthesis of azadirachtin, part 1: total synthesis of a fully functionalized ABC ring framework and coupling with a norbornene domain. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 3443-7 | 16.4 | 42 |
| 541 | Studies toward the synthesis of azadirachtin, part 2: construction of fully functionalized ABCD ring frameworks and unusual intramolecular reactions induced by close-proximity effects. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 3447-52 | 16.4 | 41 |
| 540 | Palladium-catalyzed cross-coupling reactions in total synthesis. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4442-89 | 16.4 | 2195 |
| 539 | Metathesis reactions in total synthesis. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4490-527 | 16.4 | 1048 |
| 538 | Total synthesis of halipeptins A and D and analogues. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4925-9 | 16.4 | 29 |
| 537 | Construction of highly functionalized medium-sized rings: synthesis of hyperforin and perforatumone model systems. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 3895-9 | 16.4 | 71 |

| | | | |
|-----|---|------|-----|
| 536 | A catalytic asymmetric three-component 1,4-addition/aldol reaction: enantioselective synthesis of the spirocyclic system of vannusal A. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 3874-9 | 16.4 | 89 |
| 535 | Synthesis of imides, N-acyl vinyllogous carbamates and ureas, and nitriles by oxidation of amides and amines with Dess-Martin periodinane. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 5992-7 | 16.4 | 124 |
| 534 | The cytoskyrin cascade: a facile entry into cytoskyrin A, deoxyrubroskyrin, rugulin, skyrin, and flavoskyrin model systems. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 5846-51 | 16.4 | 42 |
| 533 | Total synthesis of (+)-rugulosin and (+)-2,2'-epi-cytoskyrin A through cascade reactions. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7917-21 | 16.4 | 55 |
| 532 | Cover Picture: Palladium-Catalyzed Cross-Coupling Reactions in Total Synthesis / Metathesis Reactions in Total Synthesis (Angew. Chem. Int. Ed. 29/2005). <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4413-4413 | 16.4 | 2 |
| 531 | The Cytoskyrin Cascade: A Facile Entry into Cytoskyrin A, Deoxyrubroskyrin, Rugulin, Skyrin, and Flavoskyrin Model Systems. <i>Angewandte Chemie</i> , 2005 , 117, 5996-6001 | 3.6 | 13 |
| 530 | Total Synthesis of (+)-Rugulosin and (+)-2,2'-epi-Cytoskyrin A through Cascade Reactions. <i>Angewandte Chemie</i> , 2005 , 117, 8131-8135 | 3.6 | 22 |
| 529 | Total synthesis of halipeptins: isolation of halipeptin D and synthesis of oxazoline halipeptin analogues. <i>Chemistry - A European Journal</i> , 2005 , 11, 6197-211 | 4.8 | 26 |
| 528 | Identification of a novel small-molecule inhibitor of the hypoxia-inducible factor 1 pathway. <i>Cancer Research</i> , 2005 , 65, 605-12 | 10.1 | 109 |
| 527 | Solid-Phase Synthesis of Heterocyclic Systems (Heterocycles Containing One Heteroatom) 2004 , 643-684 | | 2 |
| 526 | The art and science of constructing the molecules of nature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 11928 | 11.5 | 3 |
| 525 | Total synthesis of hybocarpone and analogues thereof. A facile dimerization of naphthazarins to pentacyclic systems. <i>Journal of the American Chemical Society</i> , 2004 , 126, 607-12 | 16.4 | 81 |
| 524 | o-Iodoxybenzoic acid (IBX) as a viable reagent in the manipulation of nitrogen- and sulfur-containing substrates: scope, generality, and mechanism of IBX-mediated amine oxidations and dithiane deprotections. <i>Journal of the American Chemical Society</i> , 2004 , 126, 5192-201 | 16.4 | 260 |
| 523 | Structural revision and total synthesis of azaspiracid-1, part 1: intelligence gathering and tentative proposal. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 4312-8 | 16.4 | 86 |
| 522 | Structural revision and total synthesis of azaspiracid-1, part 2: definition of the ABCD domain and total synthesis. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 4318-24 | 16.4 | 127 |
| 521 | Total synthesis of thiostrepton, part 1: construction of the dehydropiperidine/thiazoline-containing macrocycle. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 5087-92 | 16.4 | 86 |
| 520 | Total synthesis of thiostrepton, part 2: construction of the quinaldic acid macrocycle and final stages of the synthesis. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 5092-7 | 16.4 | 86 |
| 519 | Cover Picture: Structural Revision and Total Synthesis of Azaspiracid-1, Part 1: Intelligence Gathering and Tentative Proposal (Angew. Chem. Int. Ed. 33/2004). <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 4239-4239 | 16.4 | |

| | | | |
|-----|--|------|-----|
| 518 | Structural Revision and Total Synthesis of Azaspiracid-1, Part 2: Definition of the ABCD Domain and Total Synthesis. <i>Angewandte Chemie</i> , 2004 , 116, 4418-4424 | 3.6 | 39 |
| 517 | New uses for the Burgess reagent in chemical synthesis: methods for the facile and stereoselective formation of sulfamidates, glycosylamines, and sulfamides. <i>Chemistry - A European Journal</i> , 2004 , 10, 5581-606 | 4.8 | 84 |
| 516 | The essence of total synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 11929-36 | 11.5 | 88 |
| 515 | Linkers for Solid-Phase Synthesis 2004 , 59-169 | | 3 |
| 514 | Studies toward diazonamide A: initial synthetic forays directed toward the originally proposed structure. <i>Journal of the American Chemical Society</i> , 2004 , 126, 10162-73 | 16.4 | 87 |
| 513 | Total synthesis of hamigerans and analogues thereof. Photochemical generation and Diels-Alder trapping of hydroxy-o-quinodimethanes. <i>Journal of the American Chemical Society</i> , 2004 , 126, 613-27 | 16.4 | 149 |
| 512 | Biomimetically inspired total synthesis and structure activity relationships of 1-O-methylateriflorone. 6 pi electrocyclizations in organic synthesis. <i>Journal of the American Chemical Society</i> , 2004 , 126, 5493-501 | 16.4 | 52 |
| 511 | Chemistry and biology of diazonamide A: second total synthesis and biological investigations. <i>Journal of the American Chemical Society</i> , 2004 , 126, 12897-906 | 16.4 | 142 |
| 510 | Multicomponent Reactions 2004 , 685-705 | | |
| 509 | Chemistry and biology of diazonamide A: first total synthesis and confirmation of the true structure. <i>Journal of the American Chemical Society</i> , 2004 , 126, 12888-96 | 16.4 | 161 |
| 508 | Studies toward diazonamide A: development of a hetero-pinacol macrocyclization cascade for the construction of the bis-macrocyclic framework of the originally proposed structure. <i>Journal of the American Chemical Society</i> , 2004 , 126, 10174-82 | 16.4 | 52 |
| 507 | A new method for the stereoselective synthesis of alpha- and beta-glycosylamines using the Burgess reagent. <i>Journal of the American Chemical Society</i> , 2004 , 126, 6234-5 | 16.4 | 49 |
| 506 | Combinatorial Chemistry in Perspective 2004 , 1-9 | | 2 |
| 505 | Elimination Chemistry in the Solution- and Solid-Phase Synthesis of Combinatorial Libraries 2004 , 279-304 | | |
| 504 | Addition to CC Multiple Bonds (Except for CC Bond Formation) 2004 , 305-321 | | |
| 503 | Oxidation Except CC Double Bonds 2004 , 369-386 | | |
| 502 | Reductions in Combinatorial Synthesis 2004 , 387-439 | | |
| 501 | Cycloadditions in Combinatorial and Solid-Phase Synthesis 2004 , 440-469 | | |

500 Main Group Organometallics **2004**, 470-491

499 Enolates and Related Species in Combinatorial and Solid-Phase Synthesis **2004**, 492-530

498 Solid-Phase Palladium Catalysis for High-Throughput Organic Synthesis **2004**, 531-584

497 Olefin Metathesis and Related Processes for CC Multiple Bond Formation **2004**, 585-609

496 Strategies for Creating the Diversity of Oligosaccharides **2004**, 706-722

495 Design Criteria **2004**, 723-742

494 Estimation of Physicochemical and ADME Parameters **2004**, 743-760

493 Erythropoietin Sensitizer I A Case Study **2004**, 784-805

492 Concepts of Combinatorial Chemistry in Process Development **2004**, 829-863

491 High-Throughput Screening Applied to Process Development **2004**, 864-884

490 Combinatorial Aspects of Materials Science **2004**, 1017-1062

1

489 Reprogramming Combinatorial Biology for Combinatorial Chemistry **2004**, 1063-1097

488 Instrumentation for Combinatorial Chemistry **2004**, 190-224

1

487 Nucleophilic Substitution in Combinatorial and Solid-Phase Synthesis **2004**, 247-269

1

486 Electrophilic Substitution in Combinatorial and Solid-Phase Synthesis **2004**, 270-278

485 Radical Reactions in Combinatorial Chemistry **2004**, 225-246

484 Combinatorial Methods in Catalysis **2004**, 885-990

2

483 Virtual Compound Libraries and Molecular Modeling **2004**, 761-783

| | | | |
|-----|--|------|----|
| 482 | Estimation of Stability and Shelf Life for Compounds, Libraries, and Repositories in Combination with Systematic Discovery of New Rearrangement Pathways 2004 , 806-828 | | |
| 481 | Encoding Technologies 2004 , 170-189 | 1 | |
| 480 | Introduction to Combinatorial Chemistry 2004 , 10-23 | 1 | |
| 479 | Solid Phase and Soluble Polymers for Combinatorial Synthesis 2004 , 24-58 | 1 | |
| 478 | Diversity-Based Identification of Efficient Homochiral Organometallic Catalysts for Enantioselective Synthesis 2004 , 991-1016 | 4 | |
| 477 | Solid-Phase Synthesis of Natural Products and Natural Product-Like Libraries 2004 , 611-642 | | |
| 476 | Addition to Carbon-Hetero Multiple Bonds 2004 , 322-345 | | |
| 475 | Chemistry of the Carbonyl Group 2004 , 346-368 | | |
| 474 | Discovery and optimization of non-steroidal FXR agonists from natural product-like libraries. <i>Organic and Biomolecular Chemistry</i> , 2003 , 1, 908-920 | 3.9 | 98 |
| 473 | Synthetic Studies on Thiomtrepton: Construction of Thiomtrepton Analogues with the Thiazoline-Containing Macrocyclic. <i>Angewandte Chemie</i> , 2003 , 115, 3540-3546 | 3.6 | 22 |
| 472 | Design, Synthesis, and Biological Properties of Highly Potent Epothilone B Analogues. <i>Angewandte Chemie</i> , 2003 , 115, 3639-3644 | 3.6 | 11 |
| 471 | Total synthesis and biological evaluation of (-)apicularen A and analogues thereof. <i>Chemistry - A European Journal</i> , 2003 , 9, 6177-91 | 4.8 | 56 |
| 470 | The second total synthesis of diazonamide A. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1753-86.4 | 158 | |
| 469 | Studies towards the synthesis of azadirachtin: enantioselective entry into the azadirachtin framework through cascade reactions. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 3637-42 | 16.4 | 41 |
| 468 | Synthetic studies on thiomtrepton: construction of thiomtrepton analogues with the thiazoline-containing macrocycle. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 3418-24 | 16.4 | 52 |
| 467 | Total synthesis of 1-O-methylateriflorone. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 4225-9 | 16.4 | 36 |
| 466 | Design, synthesis, and biological properties of highly potent epothilone B analogues. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 3515-20 | 16.4 | 61 |
| 465 | Total synthesis of the proposed azaspiracid-1 structure, part 1: construction of the enantiomerically pure C1-C20, C21-C27, and C28-C40 fragments. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 3643-8 | 16.4 | 77 |

| | | | |
|-----|---|------|------|
| 464 | Total synthesis of the proposed azaspiracid-1 structure, part 2: coupling of the C1-C20, C21-C27, and C28-C40 fragments and completion of the synthesis. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 3649-53 | 16.4 | 69 |
| 463 | New reactions of IBX: oxidation of nitrogen- and sulfur-containing substrates to afford useful synthetic intermediates. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 4077-82 | 16.4 | 213 |
| 462 | Novel strategies for the solid phase synthesis of substituted indolines and indoles. <i>Bioorganic and Medicinal Chemistry</i> , 2003 , 11, 465-76 | 3.4 | 43 |
| 461 | Tandem reactions, cascade sequences, and biomimetic strategies in total synthesis. <i>Chemical Communications</i> , 2003 , 551-64 | 5.8 | 538 |
| 460 | Total synthesis of apoptolidin: construction of enantiomerically pure fragments. <i>Journal of the American Chemical Society</i> , 2003 , 125, 15433-42 | 16.4 | 103 |
| 459 | Total synthesis of apoptolidin: completion of the synthesis and analogue synthesis and evaluation. <i>Journal of the American Chemical Society</i> , 2003 , 125, 15443-54 | 16.4 | 86 |
| 458 | A chemical, genetic, and structural analysis of the nuclear bile acid receptor FXR. <i>Molecular Cell</i> , 2003 , 11, 1079-92 | 17.6 | 320 |
| 457 | Discovery and optimization of non-steroidal FXR agonists from natural product-like libraries. <i>Organic and Biomolecular Chemistry</i> , 2003 , 1, 908-20 | 3.9 | 15 |
| 456 | Die Diels-Alder-Reaktion in der Totalsynthese. <i>Angewandte Chemie</i> , 2002 , 114, 1742-1773 | 3.6 | 320 |
| 455 | Das Labyrinth der CP-Verbindungen: ein Musterbeispiel dafür wie Bemühungen in der Totalsynthese zu Entdeckungen und Erfindungen in der Organischen Synthese führen. <i>Angewandte Chemie</i> , 2002 , 114, 2800-2843 | 3.6 | 2 |
| 454 | A novel regio- and stereoselective synthesis of sulfamides from 1,2-diols using Burgess and related reagents: a facile entry into beta-amino alcohols. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 834-8 | 16.4 | 70 |
| 453 | Modulation of the reactivity profile of IBX by ligand complexation: ambient temperature dehydrogenation of aldehydes and ketones to alpha,beta-unsaturated carbonyl compounds. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 993-6 | 16.4 | 226 |
| 452 | Oxidation of silyl enol ethers by using IBX and IBX.N-oxide complexes: a mild and selective reaction for the synthesis of enones. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 996-1000 | 16.4 | 195 |
| 451 | HIO ₃ and I ₂ O ₅ : mild and selective alternative reagents to IBX for the dehydrogenation of aldehydes and ketones. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 1386-9 | 16.4 | 89 |
| 450 | The Diels--Alder reaction in total synthesis. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 1668-98 | 16.4 | 1356 |
| 449 | The CP molecule labyrinth: a paradigm of how endeavors in total synthesis lead to discoveries and inventions in organic synthesis. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 2678-720 | 16.4 | 31 |
| 448 | The total synthesis of coleophomones B and C. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 3276-84 | 16.4 | 48 |
| 447 | Total synthesis of diazonamide A. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 3495-9 | 16.4 | 144 |

| | | | |
|------------------|--|------|-----|
| 446 | Stereocontrolled total synthesis of apicularen A and its delta(17,18) Z isomer. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 3701-4; 3523 | 16.4 | 108 |
| 445 | A new method for the synthesis of nonsymmetrical sulfamides using burgess-type reagents. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 3866-70 | 16.4 | 39 |
| 444 | Bromotyrosine-derived natural and synthetic products as inhibitors of mycothiol-S-conjugate amidase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002 , 12, 2487-90 | 2.9 | 59 |
| 443 | Atropselective macrocyclization of diaryl ether ring systems: application to the synthesis of vancomycin model systems. <i>Journal of the American Chemical Society</i> , 2002 , 124, 10451-5 | 16.4 | 78 |
| 442 | Iodine(V) reagents in organic synthesis. Part 3. New routes to heterocyclic compounds via o-iodoxybenzoic acid-mediated cyclizations: generality, scope, and mechanism. <i>Journal of the American Chemical Society</i> , 2002 , 124, 2233-44 | 16.4 | 225 |
| 441 | Enhanced microtubule-dependent trafficking and p53 nuclear accumulation by suppression of microtubule dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 10855-60 | 11.5 | 174 |
| 440 ^O | Total synthesis of the CP-molecules (CP-263,114 and CP-225,917, phomoidrides B and A). 3. Completion and synthesis of advanced analogues. <i>Journal of the American Chemical Society</i> , 2002 , 124, 2202-11 | 16.4 | 46 |
| 439 | Iodine(V) reagents in organic synthesis. Part 4. o-Iodoxybenzoic acid as a chemospecific tool for single electron transfer-based oxidation processes. <i>Journal of the American Chemical Society</i> , 2002 , 124, 2245-58 | 16.4 | 384 |
| 438 | Novel chemistry of alpha-tosyloxy ketones: applications to the solution- and solid-phase synthesis of privileged heterocycle and enediyne libraries. <i>Journal of the American Chemical Society</i> , 2002 , 124, 5718-28 | 16.4 | 51 |
| 437 | Total synthesis of the CP-molecules (CP-263,114 and CP-225,917, phomoidrides B and A). 1. Racemic and asymmetric synthesis of bicyclo[4.3.1] key building blocks. <i>Journal of the American Chemical Society</i> , 2002 , 124, 2183-9 | 16.4 | 41 |
| 436 | Total synthesis of the CP-molecules (CP-263,114 and CP-225,917, phomoidrides B and A). 2. Model studies for the construction of key structural elements and first-generation strategy. <i>Journal of the American Chemical Society</i> , 2002 , 124, 2190-201 | 16.4 | 64 |
| 435 | Iodine(V) reagents in organic synthesis. Part 2. Access to complex molecular architectures via Dess-Martin periodinane-generated o-imidoquinones. <i>Journal of the American Chemical Society</i> , 2002 , 124, 2221-32 | 16.4 | 93 |
| 434 | An expedient entry into the fused polycyclic skeleton of vannusal A. <i>Chemical Communications</i> , 2002 , 2480-2481 | 5.8 | 36 |
| 433 | Total synthesis of coleophomone D. <i>Chemical Communications</i> , 2002 , 2478-2479 | 5.8 | 25 |
| 432 | Iodine(V) reagents in organic synthesis. Part 1. Synthesis of polycyclic heterocycles via Dess-Martin periodinane-mediated cascade cyclization: generality, scope, and mechanism of the reaction. <i>Journal of the American Chemical Society</i> , 2002 , 124, 2212-20 | 16.4 | 101 |
| 431 | Protracted low-dose effects on human endothelial cell proliferation and survival in vitro reveal a selective antiangiogenic window for various chemotherapeutic drugs. <i>Cancer Research</i> , 2002 , 62, 6938-43 ^{10.1} | 10.1 | 290 |
| 430 ^O | Model studies towards azadirachtin: part 1. Construction of the crowded C8-C14 bond by radical chemistry. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 2103-6 | 16.4 | 2 |
| 429 | Model studies towards azadirachtin: part 2. Construction of the crowded C8-C14 bond by transition metal chemistry. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 2107-10 | 16.4 | 4 |

| | | | |
|-----|---|------|-----|
| 428 | Stereocontrolled synthesis of the quinaldic acid macrocyclic system of thiostrepton. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 1937-40 | 16.4 | 2 |
| 427 | A biomimetically inspired synthesis of the dehydropiperidine domain of thiostrepton. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 1941-5 | 16.4 | 8 |
| 426 | Antitumor efficacy of 26-fluoroepothilone B against human prostate cancer xenografts. <i>Cancer Chemotherapy and Pharmacology</i> , 2001 , 48, 319-26 | 3.5 | 43 |
| 425 | Solid phase synthesis of complex natural products and libraries thereof. <i>Biopolymers</i> , 2001 , 60, 171-93 | 2.2 | 40 |
| 424 | Synthesis and biological evaluation of 12,13-cyclopropyl and 12,13-cyclobutyl epothilones. <i>ChemBioChem</i> , 2001 , 2, 69-75 | 3.8 | 21 |
| 423 | Discovery of novel antibacterial agents active against methicillin-resistant <i>Staphylococcus aureus</i> from combinatorial benzopyran libraries. <i>ChemBioChem</i> , 2001 , 2, 460-5 | 3.8 | 43 |
| 422 | Solid- and solution-phase synthesis of vancomycin and vancomycin analogues with activity against vancomycin-resistant bacteria. <i>Chemistry - A European Journal</i> , 2001 , 7, 3798-823 | 4.8 | 68 |
| 421 | Synthesis and biological evaluation of vancomycin dimers with potent activity against vancomycin-resistant bacteria: target-accelerated combinatorial synthesis. <i>Chemistry - A European Journal</i> , 2001 , 7, 3824-43 | 4.8 | 115 |
| 420 | Combinatorial synthesis through disulfide exchange: discovery of potent psammaphlin A type antibacterial agents active against methicillin-resistant <i>Staphylococcus aureus</i> (MRSA). <i>Chemistry - A European Journal</i> , 2001 , 7, 4280-95 | 4.8 | 71 |
| 419 | Optimization and mechanistic studies of psammaphlin A type antibacterial agents active against methicillin-resistant <i>Staphylococcus aureus</i> (MRSA). <i>Chemistry - A European Journal</i> , 2001 , 7, 4296-310 | 4.8 | 34 |
| 418 | Total synthesis of colombiasin A and determination of its absolute configuration. <i>Chemistry - A European Journal</i> , 2001 , 7, 5359-71 | 4.8 | 61 |
| 417 | Total Synthesis of Hamigerans: Part 1. Development of Synthetic Technology for the Construction of Benzannulated Polycyclic Systems by the Intramolecular Trapping of Photogenerated Hydroxy-o-quinodimethanes and Synthesis of Key Building Blocks This work was financially supported by the National Institutes of Health (USA) and The Skaggs Institute for Chemical Biology. | 16.4 | 96 |
| 416 | Total Synthesis of Hamigerans: Part 2. Implementation of the Intramolecular Diels-Alder Trapping of Photochemically Generated Hydroxy-o-quinodimethanes; Strategy and Completion of the Synthesis This work was financially supported by the National Institutes of Health (USA) and The Skaggs Institute for Chemical Biology and grants from Abbott, Amden, ArrayBiopharma, Boehringer Ingelheim, Chiron, Hoffman-La Roche, DuPont, March, Pfizer, and Schering Plough.. | 16.4 | 81 |
| 415 | "Biomimetic" Cascade Reactions in Organic Synthesis: Construction of 4-Oxatricyclo[4.3.1.0]decan-2-one Systems and Total Synthesis of 1-O-Methylforbesione via Tandem Claisen Rearrangement/Diels-Alder Reactions. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 370-388 | 16.4 | 65 |
| 414 | cis-3,4-Dichlorocyclobutene as a Versatile Synthon in Organic Synthesis. Rapid Entry into Complex Polycyclic Systems with Remarkably Stereospecific Reactions We thank Drs. D. H. Huang and G. Suizdak for their assistance with NMR spectroscopy and mass spectrometry, respectively. This work was financially supported by the National Institutes of Health (USA) and The Skaggs Institute for Chemical Biology and grants from Abbott, Amden, ArrayBiopharma, Boehringer Ingelheim, Chiron, Hoffman-La Roche, DuPont, March, Pfizer, and Schering Plough.. | 16.4 | 36 |
| 413 | Construction of the Complete Aromatic Core of Diazonamide A by a Novel Hetero Pinacol Macrocyclization Cascade Reaction We thank Drs. D. H. Huang and G. Suizdak for NMR spectroscopic and mass spectrometric assistance, respectively. Financial support for this work was provided by The Skaggs Institute for Chemical Biology and the National Institutes of Health (USA), grants from Abbott, Amden, ArrayBiopharma, Boehringer Ingelheim, Chiron, Hoffman-La Roche, DuPont, March, Pfizer, and Schering Plough.. | 16.4 | 66 |
| 412 | Chemical synthesis and biological evaluation of cis- and trans-12,13-cyclopropyl and 12,13-cyclobutyl epothilones and related pyridine side chain analogues. <i>Journal of the American Chemical Society</i> , 2001 , 123, 9313-23 | 16.4 | 188 |
| 411 | Behind enemy lines. <i>Scientific American</i> , 2001 , 284, 54-61 | 0.5 | 24 |

| | | | |
|-----|---|------|-----|
| 410 | Epothilones and Sarcodictyins: From Combinatorial Libraries to Designed Analogs. <i>ACS Symposium Series</i> , 2001 , 148-170 | 0.4 | 1 |
| 409 | Recent developments in the chemistry, biology and medicine of the epothilones. <i>Chemical Communications</i> , 2001 , 1523-35 | 5.8 | 98 |
| 408 | Selective oxidation at carbon adjacent to aromatic systems with IBX. <i>Journal of the American Chemical Society</i> , 2001 , 123, 3183-5 | 16.4 | 90 |
| 407 | Synthetic and Semisynthetic Analogs of Epothilones: Chemistry and Biological Activity. <i>ACS Symposium Series</i> , 2001 , 112-130 | 0.4 | 7 |
| 406 | New Synthetic Technology for the Construction of N-Containing Quinones and Derivatives Thereof: Total Synthesis of Epoxyquinomycin B We thank Dr. D. H. Huang, Dr. G. Siuzdak, and Dr. R. Chadha for NMR spectroscopic, mass spectrometric, and X-ray crystallographic assistance, respectively. | 16.4 | 1 |
| 405 | Financial support for this work was provided by The Skaggs Institute for Chemical Biology, the National Institutes of Health (USA) and grants from Abbott, Amgen, ArrayBiopharma, Boehringer-Ingelheim, Hoffmann-La Roche, Pfizer, and Schering-Plough. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 207-210 Does CIP Nomenclature Adequately Handle Molecules with Multiple Stereoelements? A Case Study of Vancomycin and Cognates We would like to thank Professor Dieter Hellwinkel for pointing out to us the stereochemical discrepancies in our review ⁶ and elsewhere in the literature, and Kurt Höglund for his contributions to the discussion of the stereochemistry of vancomycin. Total Synthesis of Hybocarpone We thank Dr. D. H. Huang, Dr. G. Siuzdak and Dr. I. Ioannou for NMR spectroscopic, mass spectrometric and computational assistance, respectively. Financial support for this work was provided by the Skaggs Institute for Chemical Biology, the National Institutes of Health (USA) and grants from Abbott, Amgen, ArrayBiopharma, Boehringer-Ingelheim, Hoffmann-La Roche, Pfizer, and Schering-Plough. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 761-763 Adventures in Carbohydrate Chemistry: New Synthetic Technologies, Chemical Synthesis, Molecular Design, and Chemical Biology A list of abbreviations can be found at the end of this article. Telemachos Charalambous was an inspiring teacher at the Pancyprian Gymnasium, Nicosia, Cyprus.. | 16.4 | 31 |
| 404 | Total Synthesis of Colombiasin A This work was financially supported by the National Institutes of Health (USA) and The Skaggs Institute for Chemical Biology, postdoctoral fellowships from Bayer AG (to R.K. and W.M.), and grants from Abbott, Amgen, ArrayBiopharma, Boehringer-Ingelheim, Hoffmann-La Roche, Pfizer, and Schering-Plough. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 2182-2248 | 16.4 | 2 |
| 401 | Total Synthesis of Apoptolidin: Part 1. Retrosynthetic Analysis and Construction of Building Blocks We thank Dr. D. H. Huang and Dr. G. Siuzdak for NMR spectroscopic and mass spectrometric assistance, respectively. This work was financially supported by the National Institutes of Health (USA). The Skaggs Institute for Chemical Biology, doctoral fellowships from the National Science Foundation (P.S.B.) and grants from Abbott, Amgen, ArrayBiopharma, Boehringer-Ingelheim, Hoffmann-La Roche, Pfizer, and Schering-Plough. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 2182-2248 | 16.4 | 1 |
| 400 | Total Synthesis of Apoptolidin: Part 2. Coupling of Key Building Blocks and Completion of the Synthesis We thank Dr. C. Khosla and Dr. Y. Hayakawa for generous gifts of apoptolidin, and Dr. D. H. Huang and Dr. G. Siuzdak for NMR spectroscopic and mass spectrometric assistance, respectively. This work was financially supported by the National Institutes of Health (USA), the Skaggs Institute for Chemical Biology, doctoral fellowships from the National Science Foundation (P.S.B.) and grants from Abbott, Amgen, ArrayBiopharma, Boehringer-Ingelheim, Hoffmann-La Roche, Pfizer, and Schering-Plough. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 3854-3857 | 16.4 | 443 |
| 399 | The Art and Science of Total Synthesis at the Dawn of the Twenty-First Century. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 44122 <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 3854-3857 | 16.4 | 443 |
| 398 | New Synthetic Technology for the Rapid Construction of Novel Heterocycles-Part 2. The Reaction of IBX with Anilides and Related Compounds. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 625-628 | 16.4 | 109 |
| 397 | Selenium-Based Solid-Phase Synthesis of Benzopyrans I: Applications to Combinatorial Synthesis of Natural Products. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 734-739 | 16.4 | 116 |
| 396 | Selenium-Based Solid-Phase Synthesis of Benzopyrans II: Applications to Combinatorial Synthesis of Medicinally Relevant Small Organic Molecules. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 739-743 | 16.4 | 82 |
| 395 | New Selenium-Based Safety-Catch Linkers: Solid-Phase Semisynthesis of Vancomycin We thank Drs. D. H. Huang and G. Siuzdak for NMR spectroscopic and mass spectrometric assistance, respectively. This work was financially supported by the National Institutes of Health (USA), The Skaggs Institute for Chemical Biology, doctoral fellowships from the National Science Foundation (P.S.B.) and grants from Abbott, Amgen, ArrayBiopharma, Boehringer-Ingelheim, Hoffmann-La Roche, Pfizer, and Schering-Plough. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 734-739 | 16.4 | 56 |
| 394 | 1,2-Seleno Migrations in Carbohydrate Chemistry: Solution and Solid-Phase Synthesis of 2-Deoxy Glycosides, Orthoesters, and Allyl Orthoesters We thank Drs. D. H. Huang and G. Siuzdak for NMR spectroscopic and mass spectrometric assistance, respectively. We gratefully thank Nicolas Wiesinger for helpful discussions and contributions to the design of the linkers. This work was financially supported by the National Institutes of Health (USA), The Skaggs Institute for Chemical Biology, doctoral fellowships from the National Science Foundation (P.S.B.) and grants from Abbott, Amgen, ArrayBiopharma, Boehringer-Ingelheim (Y.H.), and grants. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 1829-1832 | 16.4 | 54 |
| 393 | The Absolute Configuration and Asymmetric Total Synthesis of the CP Molecules (CP-263,114 and CP-225,917, Phomoidrides B and A) We thank Drs. D. H. Huang, G. Siuzdak, and R. Chadha for assistance with NMR spectroscopy, mass spectrometry, and X-ray crystallography, respectively. This work was financially supported by the National Institutes of Health (USA), The Skaggs Institute for Chemical Biology, doctoral fellowships from the National Science Foundation (P.S.B.) and grants. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 1089-1093 | 16.4 | 54 |

| | | | |
|-----|---|------|-----|
| 392 | Solid-phase combinatorial synthesis using MicroKan reactors, Rf tagging, and directed sorting. <i>Biotechnology and Bioengineering</i> , 2000 , 71, 44-50 | 4.9 | 39 |
| 391 | Total synthesis of 16-desmethyllepothilone B, epothilone B10, epothilone F, and related side chain modified epothilone B analogues. <i>Chemistry - A European Journal</i> , 2000 , 6, 2783-800 | 4.8 | 54 |
| 390 | Total synthesis of everninomicin 13,384-1--Part 1: retrosynthetic analysis and synthesis of the A1B(A)C fragment. <i>Chemistry - A European Journal</i> , 2000 , 6, 3095-115 | 4.8 | 67 |
| 389 | Total synthesis of everninomicin 13,384-1--Part 2: synthesis of the FGHA2 fragment. <i>Chemistry - A European Journal</i> , 2000 , 6, 3116-48 | 4.8 | 41 |
| 388 | Total synthesis of everninomicin 13,384-1--Part 3: synthesis of the DE fragment and completion of the total synthesis. <i>Chemistry - A European Journal</i> , 2000 , 6, 3149-65 | 4.8 | 31 |
| 387 | Total synthesis of everninomicin 13,384-1--Part 4: explorations of methodology; stereocontrolled synthesis of 1,1'-disaccharides, 1,2-seleno migrations in carbohydrates, and solution- and solid-phase synthesis of 2-deoxy glycosides and orthoesters. <i>Chemistry - A European Journal</i> , 2000 , 6, 3171-3188 | 4.8 | 38 |
| 386 | Novel Reactions Initiated by Titanocene Methylenes: Deoxygenation of Sulfoxides, N-Oxides, and Selenoxides We thank Drs. D. H. Huang and G. Suizdak for NMR spectroscopic and mass spectroscopic assistance, respectively. Financial support for this work was provided by The Skaggs Institute for Chemical Biology, the National Institutes of Health (USA), fellowships from the | 16.4 | 83 |
| 385 | Target-Accelerated Combinatorial Synthesis and Discovery of Highly Potent Antibiotics Effective Against Vancomycin-Resistant Bacteria. <i>Angewandte Chemie International Edition</i> , 2000 , 39, 3823-3828 | 16.4 | 118 |
| 384 | Chemical synthesis and biological properties of pyridine epothilones. <i>Chemistry and Biology</i> , 2000 , 7, 593-9 | | 118 |
| 383 | Biomimetic Total Synthesis of Bisorbicillinol, Bisorbibutenolide, Trichodimerol, and Designed Analogues of the Bisorbicillinoids. <i>Journal of the American Chemical Society</i> , 2000 , 122, 3071-3079 | 16.4 | 111 |
| 382 | Natural Product-like Combinatorial Libraries Based on Privileged Structures. 2. Construction of a 10 000-Membered Benzopyran Library by Directed Split-and-Pool Chemistry Using NanoKans and Optical Encoding. <i>Journal of the American Chemical Society</i> , 2000 , 122, 9954-9967 | 16.4 | 272 |
| 381 | Natural Product-like Combinatorial Libraries Based on Privileged Structures. 1. General Principles and Solid-Phase Synthesis of Benzopyrans. <i>Journal of the American Chemical Society</i> , 2000 , 122, 9939-9953 | 16.4 | 606 |
| 380 | A New Method for the One-Step Synthesis of α -Unsaturated Carbonyl Systems from Saturated Alcohols and Carbonyl Compounds. <i>Journal of the American Chemical Society</i> , 2000 , 122, 7596-7597 | 16.4 | 301 |
| 379 | Natural Product-like Combinatorial Libraries Based on Privileged Structures. 3. The Libraries from Libraries Principle for Diversity Enhancement of Benzopyran Libraries. <i>Journal of the American Chemical Society</i> , 2000 , 122, 9968-9976 | 16.4 | 198 |
| 378 | Synthesis of the macrocyclic core of apoptolidin. <i>Chemical Communications</i> , 2000 , 307-308 | 5.8 | 35 |
| 377 | A common pharmacophore for epothilone and taxanes: molecular basis for drug resistance conferred by tubulin mutations in human cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 2904-9 | 11.5 | 428 |
| 376 | Total Synthesis of the Novel Immunosuppressant Sanglifehrin A. <i>Journal of the American Chemical Society</i> , 2000 , 122, 3830-3838 | 16.4 | 72 |
| 375 | New Synthetic Technology for the Mild and Selective One-Carbon Homologation of Hindered Aldehydes in the Presence of Ketones. <i>Organic Letters</i> , 2000 , 2, 1895-1898 | 6.2 | 25 |

| | | | |
|-----|--|------|-----|
| 374 | A Novel Strategy for the Solid-Phase Synthesis of Substituted Indolines. <i>Journal of the American Chemical Society</i> , 2000 , 122, 2966-2967 | 16.4 | 94 |
| 373 | Novel Solution- and Solid-Phase Chemistry of Sulfonated Ketones Applicable to Combinatorial Chemistry. <i>Journal of the American Chemical Society</i> , 2000 , 122, 10246-10248 | 16.4 | 26 |
| 372 | Chemistry, biology and medicine of selected tubulin polymerizing agents. <i>Pure and Applied Chemistry</i> , 1999 , 71, 989-997 | 2.1 | 24 |
| 371 | Nodule-inducing activity of synthetic <i>Sinorhizobium meliloti</i> nodulation factors and related lipo-chitooligosaccharides on alfalfa. Importance of the acyl chain structure. <i>Plant Physiology</i> , 1999 , 120, 83-92 | 6.6 | 44 |
| 370 | Total synthesis of epothilone E and related side-chain modified analogues via a Stille coupling based strategy. <i>Bioorganic and Medicinal Chemistry</i> , 1999 , 7, 665-97 | 3.4 | 77 |
| 369 | Totalsynthese von Vancomycin. <i>Angewandte Chemie</i> , 1999 , 111, 253-255 | 3.6 | 32 |
| 368 | Chemie und Biologie von Alkannin, Shikonin und verwandten Naphthazarin-Naturstoffen. <i>Angewandte Chemie</i> , 1999 , 111, 280-311 | 3.6 | 22 |
| 367 | Ein außergewöhnlicher Zugang zur anellierten Maleinsäureanhydrid-Einheit der CP-Moleküle. <i>Angewandte Chemie</i> , 1999 , 111, 532-535 | 3.6 | 11 |
| 366 | Totalsynthese der CP-Verbindungen CP-263,114 und CP 225,917 Teil 1: Synthese von Schlüsselintermediaten und neue präparative Erkenntnisse. <i>Angewandte Chemie</i> , 1999 , 111, 1774-1781 | 3.6 | 25 |
| 365 | Totalsynthese der CP-Verbindungen CP-263,114 und CP 225,917 Teil 2: Entwicklung der Schlüssestrategie. <i>Angewandte Chemie</i> , 1999 , 111, 1781-1784 | 3.6 | 21 |
| 364 | Chemie, Biologie und medizinische Anwendungen der Glycopeptid-Antibiotika. <i>Angewandte Chemie</i> , 1999 , 111, 2230-2287 | 3.6 | 148 |
| 363 | Total Synthesis of Brevetoxin A: Part 1: First Generation Strategy and Construction of BCD Ring System. <i>Chemistry - A European Journal</i> , 1999 , 5, 599-617 | 4.8 | 81 |
| 362 | Total Synthesis of Brevetoxin A: Part 2: Second Generation Strategy and Construction of EFGH Model System. <i>Chemistry - A European Journal</i> , 1999 , 5, 618-627 | 4.8 | 61 |
| 361 | Total Synthesis of Brevetoxin A: Part 3: Construction of GHIJ and BCDE Ring Systems. <i>Chemistry - A European Journal</i> , 1999 , 5, 628-645 | 4.8 | 54 |
| 360 | Total Synthesis of Brevetoxin A: Part 4: Final Stages and Completion. <i>Chemistry - A European Journal</i> , 1999 , 5, 646-658 | 4.8 | 78 |
| 359 | Total Synthesis of Vancomycin Part 1: Design and Development of Methodology. <i>Chemistry - A European Journal</i> , 1999 , 5, 2584-2601 | 4.8 | 148 |
| 358 | Total Synthesis of Vancomycin Part 2: Retrosynthetic Analysis, Synthesis of Amino Acid Building Blocks and Strategy Evaluations. <i>Chemistry - A European Journal</i> , 1999 , 5, 2602-2621 | 4.8 | 107 |
| 357 | Total Synthesis of Vancomycin Part 3: Synthesis of the Aglycon. <i>Chemistry - A European Journal</i> , 1999 , 5, 2622-2647 | 4.8 | 73 |

| | | | |
|-----|--|------|-----|
| 356 | Total Synthesis of Vancomycin Part 4: Attachment of the Sugar Moieties and Completion of the Synthesis. <i>Chemistry - A European Journal</i> , 1999 , 5, 2648-2667 | 4.8 | 83 |
| 355 | Studies towards Trichodimerol: Novel Cascade Reactions and Polycyclic Frameworks. <i>Chemistry - A European Journal</i> , 1999 , 5, 3651-3665 | 4.8 | 39 |
| 354 | Total Synthesis of Vancomycin. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 240-244 | 16.4 | 118 |
| 353 | The Chemistry and Biology of Alkannin, Shikonin, and Related Naphthazarin Natural Products. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 270-301 | 16.4 | 429 |
| 352 | A Novel Route to the Fused Maleic Anhydride Moiety of CP Molecules. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 549-552 | 16.4 | 26 |
| 351 | Total Synthesis of the CP Molecules CP-263,114 and CP-225,917- Part 1: Synthesis of Key Intermediates and Intelligence Gathering. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 1669-1675 | 16.4 | 88 |
| 350 | Total Synthesis of the CP Molecules CP-225,917 and CP-263,114- Part 2: Evolution of the Final Strategy. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 1676-1678 | 16.4 | 70 |
| 349 | Chemistry, Biology, and Medicine of the Glycopeptide Antibiotics. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 2096-2152 | 16.4 | 571 |
| 348 | Total Synthesis of Sanglifehrin A. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 2447-2451 | 16.4 | 57 |
| 347 | Total Synthesis of Evernomicin 13,384-1Part 1: Synthesis of the A1B(A)C Fragment. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 3334-3339 | 16.4 | 34 |
| 346 | Total Synthesis of Evernomicin 13,384-1-Part 2: Synthesis of the FGHA(2) Fragment. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 3340-3345 | 16.4 | 39 |
| 345 | Total Synthesis of Evernomicin 13,384-1-Part 3: Synthesis of the DE Fragment and Completion of the Total Synthesis. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 3345-3350 | 16.4 | 25 |
| 344 | Biomimetic Explorations Towards the Bisorbicillinoids: Total Synthesis of Bisorbicillinol, Bisorbibutenolide, and Trichodimerol. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 3555-3559 | 16.4 | 69 |
| 343 | Synthesis of 16-desmethyllepothilone B: improved methodology for the rapid, highly selective and convergent construction of epothilone B and analogues. <i>Chemical Communications</i> , 1999 , 519-520 | 5.8 | 26 |
| 342 | Synthesis of the namentamicin A α disaccharide: towards the total synthesis of namentamicin. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1999 , 545-558 | 18 | |
| 341 | The coral-derived natural products eleutherobin and sarcodictyins A and B: effects on the assembly of purified tubulin with and without microtubule-associated proteins and binding at the polymer taxoid site. <i>Biochemistry</i> , 1999 , 38, 5490-8 | 3.2 | 138 |
| 340 | Inhibition of protein kinases by balanol: specificity within the serine/threonine protein kinase subfamily. <i>Molecular Pharmacology</i> , 1999 , 56, 370-6 | 4.3 | 49 |
| 339 | New synthetic technology for the synthesis of hindered alpha-diazoketones via acyl mesylates. <i>Organic Letters</i> , 1999 , 1, 883-6 | 6.2 | 36 |

| | | | |
|-----|--|------|-----|
| 338 | Novel strategies to construct the gamma-hydroxy lactone moiety of the CP molecules. Synthesis of the CP-225,917 core skeleton. <i>Organic Letters</i> , 1999 , 1, 63-6 | 6.2 | 27 |
| 337 | A facile method for the solution and solid-phase synthesis of substituted [3.3.1] bicycles. <i>Organic Letters</i> , 1999 , 1, 807-10 | 6.2 | 76 |
| 336 | Total synthesis and chemical biology of the sarcodictyins. <i>Chemical and Pharmaceutical Bulletin</i> , 1999 , 47, 1199-213 | 1.9 | 41 |
| 335 | Total Synthesis of Brevetoxin A: Part 2: Second Generation Strategy and Construction of EFGH Model System 1999 , 5, 618 | 2 | |
| 334 | The Chemistry and Biology of Alkannin, Shikonin, and Related Naphthazarin Natural Products 1999 , 38, 270 | 1 | |
| 333 | The Chemistry and Biology of Alkannin, Shikonin, and Related Naphthazarin Natural Products 1999 , 38, 270 | 4 | |
| 332 | Chemistry, Biology, and Medicine of the Glycopeptide Antibiotics 1999 , 38, 2096 | 2 | |
| 331 | The Art and Science of Organic and Natural Products Synthesis. <i>Journal of Chemical Education</i> , 1998 , 75, 1225 | 2.4 | 35 |
| 330 | Total synthesis of brevetoxin A. <i>Nature</i> , 1998 , 392, 264-9 | 50.4 | 132 |
| 329 | Einfache Zugänge zu Evernitrose und Vancosaminderivaten sowie Synthese eines Vancomycin-Modellglycosids. <i>Angewandte Chemie</i> , 1998 , 110, 1972-1974 | 3.6 | 11 |
| 328 | Stereoselektive Synthese des Everninomicin-A1B(A)C-Ringes. <i>Angewandte Chemie</i> , 1998 , 110, 1975-1977 | 3.6 | 16 |
| 327 | Chemie und Biologie der Epothilone. <i>Angewandte Chemie</i> , 1998 , 110, 2120-2153 | 3.6 | 78 |
| 326 | Festphasensynthese von Makrocyclen mit der Strategie der Abspaltung unter Cyclisierung: Anwendung der Stille-Kupplung bei der Synthese von (S)-Zearalenon. <i>Angewandte Chemie</i> , 1998 , 110, 2677-2680 | 3.6 | 22 |
| 325 | Totalsynthese des Vancomycin-Aglycons Teil 1: Synthese der Aminosäuren 4A und Aufbau des AB-COD-Ringgerüsts. <i>Angewandte Chemie</i> , 1998 , 110, 2872-2878 | 3.6 | 41 |
| 324 | Totalsynthese des Vancomycin-Aglycons Teil 2: Synthese der Aminosäuren 1B und Aufbau des AB-COD-DOE-Ringgerüsts. <i>Angewandte Chemie</i> , 1998 , 110, 2879-2881 | 3.6 | 32 |
| 323 | Totalsynthese des Vancomycin-Aglycons Teil 3: letzte Schritte. <i>Angewandte Chemie</i> , 1998 , 110, 2881-2883 | 3.6 | 44 |
| 322 | Probing the Ring Size of Epothilones: Total Synthesis of [14]-, [15]-, [17]-, and [18]Epothilones A. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 81-84 | 16.4 | 48 |
| 321 | Total Synthesis of Epothilone E and Analogues with Modified Side Chains through the Stille Coupling Reaction. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 84-87 | 16.4 | 81 |

| | | | |
|-----|--|------|-----|
| 320 | Concise and Efficient Total Syntheses of Alkannin and Shikonin. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 839-841 | 16.4 | 28 |
| 319 | Synthesis and Biological Activity of Sarcodictyins. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 1418-1421 | 16.4 | 48 |
| 318 | Solid-Phase Synthesis of Oligosaccharides: Construction of a Dodecasaccharide. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 1559-1561 | 16.4 | 95 |
| 317 | Expeditious Routes to Evernitrose and Vancosamine Derivatives and Synthesis of a Model Vancomycin Aryl Glycoside. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 1871-1874 | 16.4 | 45 |
| 316 | Stereocontrolled Synthesis of the Everninomicin A1B(A)C Ring Framework. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 1874-1876 | 16.4 | 48 |
| 315 | Chemical Biology of Epothilones. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 2014-2045 | 16.4 | 277 |
| 314 | Solid-Phase Synthesis of Macroyclic Systems by a Cyclorelease Strategy: Application of the Stille Coupling to a Synthesis of (S)-Zearalenone. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 2534-2537 | 16.4 | 90 |
| 313 | Total Synthesis of Vancomycin Aglycon-Part 1: Synthesis of Amino Acids 4-7 and Construction of the AB-COD Ring Skeleton. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 2708-2714 | 16.4 | 125 |
| 312 | Total Synthesis of Vancomycin Aglycon-Part 2: Synthesis of Amino Acids 1-3 and Construction of the AB-COD-DOE Ring Skeleton. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 2714-2716 | 16.4 | 79 |
| 311 | Total Synthesis of Vancomycin Aglycon-Part 3: Final Stages. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 2717-2719 | 16.4 | 90 |
| 310 | Synthesis and biological properties of C12,13-cyclopropyl-epothilone A and related epothilones. <i>Chemistry and Biology</i> , 1998 , 5, 365-72 | | 37 |
| 309 | Design, synthesis and biological evaluation of nonpeptide integrin antagonists. <i>Bioorganic and Medicinal Chemistry</i> , 1998 , 6, 1185-208 | 3.4 | 66 |
| 308 | Solid and Solution Phase Synthesis and Biological Evaluation of Combinatorial Sarcodictyin Libraries. <i>Journal of the American Chemical Society</i> , 1998 , 120, 10814-10826 | 16.4 | 126 |
| 307 | Total Synthesis of Sarcodictyins A and B. <i>Journal of the American Chemical Society</i> , 1998 , 120, 8661-8673 | 16.4 | 90 |
| 306 | Solution Structure of the Complex between the Head-to-Tail Dimer of Calicheamicin I I Oligosaccharide and a DNA Duplex Containing d(ACCT) and d(TCCT) High-Affinity Binding Sites. <i>Journal of the American Chemical Society</i> , 1998 , 120, 7183-7191 | 16.4 | 21 |
| 305 | Total Synthesis of Eleutherobin and Eleuthosides A and B. <i>Journal of the American Chemical Society</i> , 1998 , 120, 8674-8680 | 16.4 | 90 |
| 304 | Solid Phase Synthesis of Macrocycles by an Intramolecular Ketophosphonate Reaction. Synthesis of a (dl)-Muscone Library. <i>Journal of the American Chemical Society</i> , 1998 , 120, 5132-5133 | 16.4 | 93 |
| 303 | Supercoiling affects the accessibility of glutathione to DNA-bound molecules: positive supercoiling inhibits calicheamicin-induced DNA damage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 102-7 | 11.5 | 21 |

302 Chemical Biology of Epothilones **1998**, 37, 2014

2

301 Total Synthesis of Vancomycin AglyconPart 3: Final Stages **1998**, 37, 2717

3

300 Targeted therapy with a novel enediyne antibiotic calicheamicin theta(I)1 effectively suppresses growth and dissemination of liver metastases in a syngeneic model of murine neuroblastoma. *Cancer Research*, **1998**, 58, 2925-8

10.1 32

299 Recent Advances in the Synthesis of Cyclic Polyether Marine Natural Products **1997**, 1-18

298 Synthesis of the Tricyclic Core of Eleutherobin and Sarcodictyins and Total Synthesis of Sarcodictyin A. *Journal of the American Chemical Society*, **1997**, 119, 11353-11354

16.4 91

297 Total synthesis of 26-hydroxyepothilone B and related analogues. *Chemical Communications*, **1997**, 2343-2344 25

296 Palladium-Catalyzed Functionalization of Lactones via Their Cyclic Ketene Acetal Phosphates. Efficient New Synthetic Technology for the Construction of Medium and Large Cyclic Ethers. *Journal of the American Chemical Society*, **1997**, 119, 5467-5468

16.4 144

295 New Synthetic Technology for the Construction of 9-Membered Ring Cyclic Ethers. Construction of the EFGH Ring Skeleton of Brevetoxin A. *Journal of the American Chemical Society*, **1997**, 119, 8105-8106 16.4 32

294 New Synthetic Technology for the Stereocontrolled Construction of 1,1DIsaccharides and 1,1D12-Trisaccharides. Synthesis of the FG Ring System of Everninomicin 13,384-1. *Journal of the American Chemical Society*, **1997**, 119, 9057-9058

16.4 48

293 A General and Highly Efficient Solid Phase Synthesis of Oligosaccharides. Total Synthesis of a Heptasaccharide Phytoalexin Elicitor (HPE). *Journal of the American Chemical Society*, **1997**, 119, 449-450 16.4 207

292 New Synthetic Technology for the Synthesis of Aryl Ethers: Construction of C-O-D and D-O-E Ring Model Systems of Vancomycin. *Journal of the American Chemical Society*, **1997**, 119, 3421-3422 16.4 126

291 The Olefin Metathesis Approach to Epothilone A and Its Analogues. *Journal of the American Chemical Society*, **1997**, 119, 7960-7973 16.4 146

290 Total Syntheses of Epothilones A and B via a Macrolactonization-Based Strategy. *Journal of the American Chemical Society*, **1997**, 119, 7974-7991 16.4 176

289 Total synthesis of selected natural products. *Pure and Applied Chemistry*, **1997**, 69, 413-418 2.1 6

288 Synthesis of epothilones A and B in solid and solution phase. *Nature*, **1997**, 387, 268-72 50.4 366

287 Total Synthesis of Epothilone A: The Olefin Metathesis Approach. *Angewandte Chemie International Edition in English*, **1997**, 36, 166-168 178

286 Total Synthesis of Epothilone A: The Macrolactonization Approach. *Angewandte Chemie International Edition in English*, **1997**, 36, 525-527 73

285 Synthesis of the Bicyclic Core of CP-225,917 and CP-263,114 by an Intramolecular DielsAlder Reaction. *Angewandte Chemie International Edition in English*, **1997**, 36, 1194-1196 35

| | | |
|-----|--|----------|
| 284 | New Technology for the Synthesis of Vancomycin-Type Biaryl Ring Systems. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 1539-1540 | 35 |
| 283 | Designed Epothilones: Combinatorial Synthesis, Tubulin Assembly Properties, abd Cytotoxic Action against Taxol-Resistant Tumor Cells. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 2097-2103 | 149 |
| 282 | Total Synthesis of Eleutherobin. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 2520-2524 | 88 |
| 281 | A Novel Approach to the CP-225,917 and CP-263,114 Core. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 2821-2823 | 36 |
| 280 | Eine neuartige Strategie zum Aufbau des Vancomycin-Biarylringsystems. <i>Angewandte Chemie</i> , 1997 , 109, 1551-1552 | 3.6 11 |
| 279 | The Wittig and Related Reactions in Natural Product Synthesis. <i>Liebigs Annalen</i> , 1997 , 1997, 1283-1301 | 205 |
| 278 | The oxide anion accelerated retro-diels-alder reaction. <i>Chemistry - A European Journal</i> , 1997 , 3, 187-92 | 4.8 25 |
| 277 | Total Synthesis of Oxazole- and Cyclopropane-Containing Epothilone A Analogues by the Olefin Metathesis Approach. <i>Chemistry - A European Journal</i> , 1997 , 3, 1957-1970 | 4.8 30 |
| 276 | Total Synthesis of Oxazole- and Cyclopropane-Containing Epothilone B Analogues by the Macrolactonization Approach. <i>Chemistry - A European Journal</i> , 1997 , 3, 1971-1986 | 4.8 33 |
| 275 | An Olefin Metathesis Based Strategy for the Construction of the JKL, OPQ, and UVW Ring Systems of Maitotoxin. <i>Journal of the American Chemical Society</i> , 1996 , 118, 10335-10336 | 16.4 86 |
| 274 | Solution Structure of the Head-to-Head Dimer of Calicheamicin Oligosaccharide Domain and d(CGTAGGATATCCTACG)2. <i>Journal of the American Chemical Society</i> , 1996 , 118, 8817-8824 | 16.4 18 |
| 273 | DNA-Carbohydrate Interactions. Specific Binding of Head-to-Head and Head-to-Tail Dimers of the Calicheamicin Oligosaccharide to Duplex DNA. <i>Journal of the American Chemical Society</i> , 1996 , 118, 2303-2304 | 16.4 28 |
| 272 | The enediyne antibiotics. <i>Journal of Medicinal Chemistry</i> , 1996 , 39, 2103-17 | 8.3 324 |
| 271 | Total Synthesis of Swinholide A. <i>Journal of the American Chemical Society</i> , 1996 , 118, 3059-3060 | 16.4 62 |
| 270 | Olefin Metathesis in Cyclic Ether Formation. Direct Conversion of Olefinic Esters to Cyclic Enol Ethers with Tebbe-Type Reagents. <i>Journal of the American Chemical Society</i> , 1996 , 118, 1565-1566 | 16.4 158 |
| 269 | Sequence-selective carbohydrate-DNA interaction: dimeric and monomeric forms of the calicheamicin oligosaccharide interfere with transcription factor function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 940-4 | 11.5 53 |
| 268 | Synthesis of novel heterocycles related to the dynemicin a ring skeleton. <i>Journal of Heterocyclic Chemistry</i> , 1996 , 33, 735-746 | 1.9 25 |
| 267 | Total Synthesis of Swinholide A, Preswinholide A, and Hemiswinholide A. <i>Chemistry - A European Journal</i> , 1996 , 2, 847-868 | 4.8 97 |

| | | |
|-----|---|----------|
| 266 | Copper(I)-Promoted Stille Cross-Coupling of Stannyli Enol Ethers with Enol Triflates: Construction of Complex Polyether Frameworks. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 889-891 | 29 |
| 265 | Enediyne Generation by a Retro-Diels-Alder Reaction. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 1110-1112 | 21 |
| 264 | Chemistry and Biology of the Zaragozic Acids (Squalestatins). <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 1622-1656 | 91 |
| 263 | An Approach to Epothilones Based on Olefin Metathesis. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 2399-2401 | 70 |
| 262 | Taxoids: new weapons against cancer. <i>Scientific American</i> , 1996 , 274, 94-8 | 0.5 62 |
| 261 | Chemistry and biology of selected natural products. <i>Pure and Applied Chemistry</i> , 1996 , 68, 2129-2136 | 2.1 2 |
| 260 | Characterization of a binding site for chemically synthesized lipo-oligosaccharidic NodRm factors in particulate fractions prepared from roots. <i>Plant Journal</i> , 1995 , 7, 253-60 | 6.9 92 |
| 259 | Design and synthesis of a rapamycin-based high affinity binding FKBP12 ligand. <i>Chemistry and Biology</i> , 1995 , 2, 157-61 | 19 |
| 258 | Molecular design and biological activity of potent and selective protein kinase inhibitors related to balanol. <i>Chemistry and Biology</i> , 1995 , 2, 601-8 | 54 |
| 257 | The relationship of brevetoxin 'length' and A-ring functionality to binding and activity in neuronal sodium channels. <i>Chemistry and Biology</i> , 1995 , 2, 533-41 | 93 |
| 256 | Total Synthesis of Brevetoxin B. 2. Second Generation Strategies and Construction of the Dioxepane Region [DEFG]. <i>Journal of the American Chemical Society</i> , 1995 , 117, 10239-10251 | 16.4 80 |
| 255 | Chemical Synthesis and Biological Evaluation of C-2 Taxoids. <i>Journal of the American Chemical Society</i> , 1995 , 117, 2409-2420 | 16.4 51 |
| 254 | Total Synthesis of Brevetoxin B. 1. CDEFG Framework. <i>Journal of the American Chemical Society</i> , 1995 , 117, 1171-1172 | 16.4 90 |
| 253 | Total Synthesis of Brevetoxin B. 1. First Generation Strategies and New Approaches to Oxepane Systems. <i>Journal of the American Chemical Society</i> , 1995 , 117, 10227-10238 | 16.4 103 |
| 252 | Total Synthesis of Taxol. 3. Formation of Taxol's ABC Ring Skeleton. <i>Journal of the American Chemical Society</i> , 1995 , 117, 645-652 | 16.4 142 |
| 251 | Total Synthesis of taxol. 2. Construction of A and C ring intermediates and initial attempts to construct the ABC ring system. <i>Journal of the American Chemical Society</i> , 1995 , 117, 634-644 | 16.4 187 |
| 250 | Total Synthesis of Taxol. 4. The Final Stages and Completion of the Synthesis. <i>Journal of the American Chemical Society</i> , 1995 , 117, 653-659 | 16.4 151 |
| 249 | Total Synthesis of Taxol. 1. Retrosynthesis, Degradation, and Reconstitution. <i>Journal of the American Chemical Society</i> , 1995 , 117, 624-633 | 16.4 152 |

| | | |
|-----|--|----------|
| 248 | Total Synthesis of Brevetoxin B. 2. Completion. <i>Journal of the American Chemical Society</i> , 1995 , 117, 1173-1174 | 100 |
| 247 | Total Synthesis of Brevetoxin B. 3. Final Strategy and Completion. <i>Journal of the American Chemical Society</i> , 1995 , 117, 10252-10263 | 16.4 100 |
| 246 | Macrocyclic Peptide Inhibitors of Serine Proteases. Convergent Total Synthesis of Cyclotheonamides A and B via a Late-Stage Primary Amine Intermediate. Study of Thrombin Inhibition under Diverse Conditions. <i>Journal of the American Chemical Society</i> , 1995 , 117, 1225-1239 | 16.4 77 |
| 245 | Macrocyclic Peptide Inhibitors of Serine Proteases. Convergent Total Synthesis of Cyclotheonamides A and B via a Late-Stage Primary Amine Intermediate. Study of Thrombin Inhibition under Diverse Conditions. [Erratum to document cited in CA122:161323]. <i>Journal of the American Chemical Society</i> , 1995 , 117, 1225-1239 | 16.4 5 |
| 244 | Further studies of the binding specificity of the leukocyte adhesion molecule, L-selectin, towards sulphated oligosaccharides--suggestion of a link between the selectin- and the integrin-mediated lymphocyte adhesion systems. <i>Glycobiology</i> , 1995 , 5, 29-38 | 5.8 76 |
| 243 | In vivo efficacy of novel synthetic enediynes 1. <i>Acta Oncologica</i> , 1995 , 34, 157-64 | 3.2 6 |
| 242 | Die Eroberung von Taxol. <i>Angewandte Chemie</i> , 1995 , 107, 2247-2259 | 3.6 17 |
| 241 | Radiofrequenz-verschlüsselte kombinatorische Chemie. <i>Angewandte Chemie</i> , 1995 , 107, 2476-2479 | 3.6 44 |
| 240 | Total Synthesis of Rapamycin. <i>Chemistry - A European Journal</i> , 1995 , 1, 318-333 | 4.8 95 |
| 239 | Total Synthesis of Balanol and Designed Analogues. <i>Chemistry - A European Journal</i> , 1995 , 1, 454-466 | 4.8 60 |
| 238 | Synthesis of Zaragozic Acid A/Squalestatin S1. <i>Chemistry - A European Journal</i> , 1995 , 1, 467-494 | 4.8 86 |
| 237 | DNA Carbohydrate Recognition: Design and Synthesis of an Eight-Base Sequence-Selective DNA-Binding Oligosaccharide. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 576-578 | 31 |
| 236 | The Conquest of Taxol. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 2079-2090 | 65 |
| 235 | Radiofrequency Encoded Combinatorial Chemistry. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 2289-2291 | 233 |
| 234 | Studies towards the synthesis of esperamicinone. <i>Tetrahedron</i> , 1994 , 50, 11391-11426 | 2.4 34 |
| 233 | Calicheamicin β A Rationally Designed Molecule with Extremely Potent and Selective DNA Cleaving Properties and Apoptosis Inducing Activity. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 183-186 | 45 |
| 232 | Synthesis of the Anthraquinone Framework of Dynemicin A. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 781-783 | 13 |
| 231 | Zaragozic Acid A/Squalestatin S1: Synthetic and Retrosynthetic Studies. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 2184-2187 | 38 |

| | | |
|-----|---|----------|
| 230 | Synthesis of the First Fully Functionalized Core of the Zaragozic Acids/Squalestatins. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 2187-2190 | 34 |
| 229 | Total Synthesis of Zaragozic Acid A/Squalestatin S1. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 2190-2191 | 50 |
| 228 | Calicheamicin [Durch Molek ^l design zu einer Verbindung, die DNA selektiv und effizient spaltet und Zelltod ausl st . <i>Angewandte Chemie</i> , 1994 , 106, 195-198 | 3.6 9 |
| 227 | Synthese des Anthrachinongerüsts von Dynemicin A. <i>Angewandte Chemie</i> , 1994 , 106, 790-791 | 3.6 1 |
| 226 | Synthetic calicheamicin mimics with novel initiation mechanisms: DNA cleavage, cytotoxicity, and apoptosis. <i>Chemistry and Biology</i> , 1994 , 1, 57-66 | 26 |
| 225 | Conformation of a water-soluble derivative of taxol in water by 2D-NMR spectroscopy. <i>Chemistry and Biology</i> , 1994 , 1, 107-12 | 56 |
| 224 | Total synthesis of taxol. <i>Nature</i> , 1994 , 367, 630-4 | 50.4 868 |
| 223 | Chemical self-replication of palindromic duplex DNA. <i>Nature</i> , 1994 , 369, 218-21 | 50.4 176 |
| 222 | The Total Synthesis of Paclitaxel by Assembly of the Ring System. <i>ACS Symposium Series</i> , 1994 , 302-312 | 0.4 1 |
| 221 | Total Synthesis of Balanol. <i>Journal of the American Chemical Society</i> , 1994 , 116, 8402-8403 | 16.4 96 |
| 220 | Novel chemistry of taxol. Retrosynthetic and synthetic studies. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 295 | 18 |
| 219 | Carbohydrate-Minor Groove Interactions in the Binding of Calicheamicin .gamma.1I to Duplex DNA. <i>Journal of the American Chemical Society</i> , 1994 , 116, 3709-3715 | 16.4 68 |
| 218 | Synthesis of Novel Taxoids. <i>Journal of the American Chemical Society</i> , 1994 , 116, 1591-1592 | 16.4 47 |
| 217 | Interaction of Calicheamicin with Duplex DNA: Role of the Oligosaccharide Domain and Identification of Multiple Binding Modes. <i>Journal of the American Chemical Society</i> , 1994 , 116, 3697-3708 | 16.4 93 |
| 216 | Total Synthesis of Truncated Brevetoxin B [AFGHIJK]. <i>Journal of the American Chemical Society</i> , 1994 , 116, 9371-9372 | 16.4 24 |
| 215 | Sulfated blood group Lewis(a). A superior oligosaccharide ligand for human E-selectin. <i>Journal of Biological Chemistry</i> , 1994 , 269, 1595-8 | 5.4 109 |
| 214 | Antiproliferative effects of enediynes on AIDS-derived Kaposi's sarcoma cells. <i>Cancer Research</i> , 1994 , 54, 4270-3 | 10.1 6 |
| 213 | Total synthesis of calicheamicin .gamma.1I. 2. Development of an enantioselective route to (-)-calicheamicinone. <i>Journal of the American Chemical Society</i> , 1993 , 115, 7612-7624 | 16.4 87 |

| | | | |
|-----|--|------|-----|
| 212 | Molecular design, chemical synthesis, kinetic studies, calculations, and biological studies of novel enediynes equipped with triggering, detection, and deactivating devices. Model dynemicin A epoxide and cis-diol systems. <i>Journal of the American Chemical Society</i> , 1993 , 115, 7944-7953 | 16.4 | 78 |
| 211 | De novo design and synthesis of somatostatin non-peptide peptidomimetics utilizing .beta.-D-glucose as a novel scaffolding. <i>Journal of the American Chemical Society</i> , 1993 , 115, 12550-12568 | 16.4 | 251 |
| 210 | Total synthesis of calicheamicin .gamma.1I. 3. The final stages. <i>Journal of the American Chemical Society</i> , 1993 , 115, 7625-7635 | 16.4 | 102 |
| 209 | Evidence of calcium(2+)-dependent carbohydrate association through ion spray mass spectrometry. <i>Journal of the American Chemical Society</i> , 1993 , 115, 2877-2881 | 16.4 | 81 |
| 208 | Total synthesis of rapamycin. <i>Journal of the American Chemical Society</i> , 1993 , 115, 4419-4420 | 16.4 | 155 |
| 207 | Total synthesis of calicheamicin .gamma.1I. 1. Synthesis of the oligosaccharide fragment. <i>Journal of the American Chemical Society</i> , 1993 , 115, 7593-7611 | 16.4 | 114 |
| 206 | Total synthesis of hemibrevetoxin B and (7a.alpha.)-epi-hemibrevetoxin B. <i>Journal of the American Chemical Society</i> , 1993 , 115, 3558-3575 | 16.4 | 96 |
| 205 | Total synthesis of sulfated Lex and Lea-type oligosaccharide selectin ligands. <i>Journal of the American Chemical Society</i> , 1993 , 115, 8843-8844 | 16.4 | 90 |
| 204 | Sulfur and the Enediyne Antibiotics. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1993 , 74, 47-58 | 1 | 4 |
| 203 | Cell-specific regulation of apoptosis by designed enediynes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 3142-6 | 11.5 | 42 |
| 202 | Progress towards the total synthesis of the enediyne anticancer antibiotics. <i>Pure and Applied Chemistry</i> , 1993 , 65, 1271-1280 | 2.1 | 6 |
| 201 | Chemistry and biology of natural and designed enediynes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 5881-8 | 11.5 | 214 |
| 200 | Molecular basis for the inhibition of human alpha-thrombin by the macrocyclic peptide cyclotheonamide A. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 8048-52 | 11.5 | 104 |
| 199 | The Battle of Calicheamicin □ <i>Angewandte Chemie International Edition in English</i> , 1993 , 32, 1377-1385 | | 91 |
| 198 | Der Kampf um Calicheamicin □*. <i>Angewandte Chemie</i> , 1993 , 105, 1462-1471 | 3.6 | 25 |
| 197 | Design, synthesis and biological activity of protaxols. <i>Nature</i> , 1993 , 364, 464-6 | 50.4 | 116 |
| 196 | Molecular design, chemical synthesis, and biological action of enediynes. <i>Accounts of Chemical Research</i> , 1992 , 25, 497-503 | 24.3 | 197 |
| 195 | Total synthesis of sialyl dimeric Lex. <i>Journal of the American Chemical Society</i> , 1992 , 114, 3126-3128 | 16.4 | 102 |

| | | | |
|-----|---|------|-----|
| 194 | Designed enediynes: a new class of DNA-cleaving molecules with potent and selective anticancer activity. <i>Science</i> , 1992 , 256, 1172-8 | 33.3 | 264 |
| 193 | Total synthesis of the NodRm-IV factors, the rhizobium nodulation signals. <i>Journal of the American Chemical Society</i> , 1992 , 114, 8701-8702 | 16.4 | 71 |
| 192 | Enantioselective total synthesis of (-)-calicheamicinone. <i>Journal of the American Chemical Society</i> , 1992 , 114, 3134-3136 | 16.4 | 57 |
| 191 | Nonpeptidal peptidomimetics with .beta.-D-glucose scaffolding. A partial somatostatin agonist bearing a close structural relationship to a potent, selective substance P antagonist. <i>Journal of the American Chemical Society</i> , 1992 , 114, 9217-9218 | 16.4 | 223 |
| 190 | DNA-carbohydrate interactions. Specific binding of the calicheamicin .gamma.1I oligosaccharide with duplex DNA. <i>Journal of the American Chemical Society</i> , 1992 , 114, 7555-7557 | 16.4 | 88 |
| 189 | Molecular design and chemical synthesis of potent enediynes. 1. Dynemicin model systems equipped with N-tethered triggering devices. <i>Journal of the American Chemical Society</i> , 1992 , 114, 8890-8907 | 16.4 | 64 |
| 188 | Total synthesis of calicheamicin .gamma.1I. <i>Journal of the American Chemical Society</i> , 1992 , 114, 10082-10084 | 16.4 | 88 |
| 187 | Total synthesis of hemibrevetoxin B. <i>Journal of the American Chemical Society</i> , 1992 , 114, 7935-7936 | 16.4 | 61 |
| 186 | Conformational studies of sialyl Lewis X in aqueous solution. <i>Journal of the American Chemical Society</i> , 1992 , 114, 5452-5454 | 16.4 | 57 |
| 185 | Design, synthesis, and study of simple monocyclic conjugated enediynes. The 10-membered ring enediyne moiety of the enediyne anticancer antibiotics. <i>Journal of the American Chemical Society</i> , 1992 , 114, 7360-7371 | 16.4 | 125 |
| 184 | Molecular design and chemical synthesis of potent enediynes. 2. Dynemicin model systems equipped with C-3 triggering devices and evidence for quinone methide formation in the mechanism of action of dynemicin A. <i>Journal of the American Chemical Society</i> , 1992 , 114, 8908-8921 | 16.4 | 73 |
| 183 | Redox-controlled Bergman cycloaromatizations. Designed enediynes with DNA-cleaving properties and antitumor activity. <i>Journal of the American Chemical Society</i> , 1992 , 114, 9279-9282 | 16.4 | 74 |
| 182 | Total Synthesis of Calicheamicin-Dynemicin Hybrid Molecules. <i>Angewandte Chemie International Edition in English</i> , 1992 , 31, 340-342 | 27 | |
| 181 | Total Synthesis of the Carbohydrate Fragments of Esperamicin A1. <i>Angewandte Chemie International Edition in English</i> , 1992 , 31, 855-857 | 13 | |
| 180 | Ten-Membered Ring Enediynes with Remarkable Chemical and Biological Profiles. <i>Angewandte Chemie International Edition in English</i> , 1992 , 31, 1044-1046 | 34 | |
| 179 | Totalsynthese von Calicheamicin-Dynemicin-Hybridmolekülen. <i>Angewandte Chemie</i> , 1992 , 104, 317-319 | 3.6 | 8 |
| 178 | Die Totalsynthese der Kohlenhydratbausteine von Esperamicin A1. <i>Angewandte Chemie</i> , 1992 , 104, 926-928 | 4 | |
| 177 | Zehngliedrige cyclische Endiine mit bemerkenswerten chemischen und biologischen Eigenschaften. <i>Angewandte Chemie</i> , 1992 , 104, 1094-1096 | 3.6 | 9 |

| | | |
|-----|--|---------|
| 176 | Lipoxin A4-induced release of thromboxane in the guinea-pig lung: studies of its characteristics using lipoxin A4-methyl ester. <i>Journal of Lipid Mediators</i> , 1992 , 5, 205-17 | 2 |
| 175 | Novel Strategies for the Construction of Complex Polycyclic Ether Frameworks. Stereocontrolled Synthesis of the FGHIJ Ring System of Brevetoxin A. <i>Angewandte Chemie International Edition in English</i> , 1991 , 30, 299-303 | 50 |
| 174 | Selectivity and Mechanism of Action of Novel DNA-Cleaving Sulfones. <i>Angewandte Chemie International Edition in English</i> , 1991 , 30, 418-420 | 45 |
| 173 | Synthetic Strategy for the Coupling of the Calicheamicin Oligosaccharide with Aglycons: Synthesis of Dynemicin A-Calicheamicin Hybrid Structures. <i>Angewandte Chemie International Edition in English</i> , 1991 , 30, 585-588 | 24 |
| 172 | Enediyne Compounds Equipped with Acid-, Base- and Photo-Sensitive Triggering Devices. Chemical Simulation of the Dynemicin A Reaction Cascade. <i>Angewandte Chemie International Edition in English</i> , 1991 , 30, 1032-1036 | 51 |
| 171 | Lipoxins and Related Eicosanoids: Biosynthesis, Biological Properties, and Chemical Synthesis. <i>Angewandte Chemie International Edition in English</i> , 1991 , 30, 1100-1116 | 82 |
| 170 | Chemistry and Biology of the Enediyne Anticancer Antibiotics. <i>Angewandte Chemie International Edition in English</i> , 1991 , 30, 1387-1416 | 822 |
| 169 | Neue Strategien zur Konstruktion komplexer polycyclischer Ethergerüste; stereokontrollierte Synthese des FGHIJ-Ringsystems von Brevetoxin A. <i>Angewandte Chemie</i> , 1991 , 103, 304-308 | 3.6 11 |
| 168 | Selektivität und Wirkungsmechanismus neuer DNA-spaltender Sulfone. <i>Angewandte Chemie</i> , 1991 , 103, 462-464 | 3.6 2 |
| 167 | Synthesestrategien zur Kupplung des Calicheamicin-Oligosaccharids mit Aglyconen; die Synthese von Dynemicin-A-Calicheamicin-Hybridverbindungen. <i>Angewandte Chemie</i> , 1991 , 103, 566-568 | 3.6 10 |
| 166 | Lipoxine und verwandte Eicosanoide: Biosynthese, biologische Eigenschaften und chemische Synthese. <i>Angewandte Chemie</i> , 1991 , 103, 1119-1136 | 3.6 18 |
| 165 | Chemie und Biologie von Endiin-Cytostatica/Antibiotica. <i>Angewandte Chemie</i> , 1991 , 103, 1453-1481 | 3.6 217 |
| 164 | Novel enediynes equipped with triggering and detection devices. Isolation of cis-diol models of the dynemicin a cascade. <i>Journal of the American Chemical Society</i> , 1991 , 113, 9878-9880 | 16.4 31 |
| 163 | Synthesis and chemistry of dynemicin A models. <i>Journal of the American Chemical Society</i> , 1991 , 113, 3106-3114 | 16.4 85 |
| 162 | Synthesis of novel oligosaccharides. <i>Pure and Applied Chemistry</i> , 1991 , 63, 555-560 | 2.1 17 |
| 161 | Total synthesis of globotriaosylceramide (Gb3) and lysoglobotriaosylceramide (lysoGb3). <i>Carbohydrate Research</i> , 1990 , 202, 177-91 | 2.9 62 |
| 160 | Golfomycin A, a Novel Designed Molecule with DNA-Cleaving Properties and Antitumor Activity. <i>Angewandte Chemie International Edition in English</i> , 1990 , 29, 1064-1067 | 48 |
| 159 | Golfomycin A, eine neukonzipierte Verbindung mit DNA-Spaltungs- und Antitumor-Aktivität. <i>Angewandte Chemie</i> , 1990 , 102, 1066-1068 | 3.6 12 |

| | | |
|-----|---|----------|
| 158 | Synthesis of the CD and E ring systems of the calicheamicin II oligosaccharide. <i>Journal of the Chemical Society Chemical Communications</i> , 1990 , 1275-1277 | 18 |
| 157 | Synthesis of dynemicin A models. <i>Journal of the American Chemical Society</i> , 1990 , 112, 7416-7418 | 16.4 77 |
| 156 | Dithiatopazine and related systems. Synthesis, chemistry, x-ray crystallographic analysis, and calculations. <i>Journal of the American Chemical Society</i> , 1990 , 112, 3029-3039 | 16.4 56 |
| 155 | Total synthesis of the oligosaccharide fragment of calicheamicin .gamma.1I. <i>Journal of the American Chemical Society</i> , 1990 , 112, 8193-8195 | 16.4 55 |
| 154 | Novel strategy for the construction of the oligosaccharide fragment of calicheamicin .gamma.1.alpha.I. Synthesis of the ABC skeleton. <i>Journal of the American Chemical Society</i> , 1990 , 112, 4085-4086 | 16.4 51 |
| 153 | New synthetic strategies for the construction of medium size cyclic ethers. Stereocontrolled synthesis of the BCD ring framework of brevetoxin A. <i>Journal of the American Chemical Society</i> , 1990 , 112, 3696-3697 | 16.4 40 |
| 152 | A novel stereocontrolled synthesis of the nonacene ring system of brevetoxin A. Conformational-reactivity effects in 9-membered rings. <i>Journal of the American Chemical Society</i> , 1990 , 112, 4988-4989 | 16.4 39 |
| 151 | Total synthesis of the tumor-associated Lex family of glycosphingolipids. <i>Journal of the American Chemical Society</i> , 1990 , 112, 3693-3695 | 16.4 128 |
| 150 | DNA-cleavage and antitumor activity of designed molecules with conjugated phosphine oxide-allene-ene-yne functionalities. <i>Journal of the American Chemical Society</i> , 1990 , 112, 7825-7826 | 16.4 120 |
| 149 | Bridging of macrodithionolactones to bicyclic systems. Synthesis and modeling of oxapolycyclic frameworks. <i>Journal of the American Chemical Society</i> , 1990 , 112, 3040-3054 | 16.4 106 |
| 148 | Identification of lipoxin A4 and its relationship to the sulfidopeptide leukotrienes C4, D4, and E4 in the bronchoalveolar lavage fluids obtained from patients with selected pulmonary diseases. <i>The American Review of Respiratory Disease</i> , 1990 , 141, 1453-8 | 120 |
| 147 | Synthesis of medium-sized ring ethers from thionolactones. Applications to polyether synthesis. <i>Journal of the American Chemical Society</i> , 1990 , 112, 6263-6276 | 16.4 102 |
| 146 | Synthesis of 19,19,20,20-pentadeuteriolipoxin A4 methyl ester and 19,19,20,20-pentadeuteriarachidonic acid. Agents for use in the quantitative detection of naturally occurring eicosanoids. <i>Journal of Organic Chemistry</i> , 1989 , 54, 5522-5527 | 4.2 32 |
| 145 | Stereocontrolled Total Synthesis of (5Z,8Z,10E,12R,14Z)-12-Hydroxy-5,8,10,14-icosatetraenoic Acid [(12R)-HETE]. <i>Synthesis</i> , 1989 , 1989, 898-901 | 2.9 21 |
| 144 | Lipoxin A4 causes generation of thromboxane A2 in the guinea-pig lung. <i>Agents and Actions</i> , 1989 , 26, 90-2 | 12 |
| 143 | Pharmacodynamics of lipoxin A4 in airway smooth muscle. <i>Agents and Actions</i> , 1989 , 26, 93-5 | 13 |
| 142 | Lipoxin A4 inhibits leukotriene B4-induced inflammation in the hamster cheek pouch. <i>Acta Physiologica Scandinavica</i> , 1989 , 137, 571-2 | 68 |
| 141 | Stereokontrollierte Totalsynthese von (5S,6R)-, (5S,6S)-, (5R,6R)- und (5R,6S)-(7E,9E,11Z,14Z)-5,6-Dihydroxy-7,9,11,14-icosatetraen-ure-(5,6-DiHETE)methylester. <i>Angewandte Chemie</i> , 1989 , 101, 621-623 | 3.6 2 |

| | | | |
|-----|--|------|-----|
| 140 | Eine neue Klasse DNA-spaltender Verbindungen: pH-abhängige DNA-Spaltung durch Propargyl- und Allenylsulfone. <i>Angewandte Chemie</i> , 1989 , 101, 1255-1257 | 3.6 | 16 |
| 139 | Stereocontrolled Total Synthesis of (5S,6R)-, (5S,6S)-, (5R,6R)-, and (5R,6S)(7E,9E,11Z,14Z)-5,6-Dihydroxy-7,9,11,14-icosatetraenoic Acid (5,6-DiHETE) Methyl Esters. <i>Angewandte Chemie International Edition in English</i> , 1989 , 28, 587-588 | 26 | |
| 138 | A New Class of DNA-Cleaving Molecules: pH-Dependent DNA Cleavage by Propargylic and Allenic Sulfones. <i>Angewandte Chemie International Edition in English</i> , 1989 , 28, 1272-1275 | 62 | |
| 137 | Pheromone blends of green stink bugs and possible parasitoid selection. <i>Die Naturwissenschaften</i> , 1989 , 76, 173-175 | 2 | 58 |
| 136 | Cyclizations of hydroxy dithioketals. New synthetic technology for the construction of oxocenes and related medium-ring systems. <i>Journal of the American Chemical Society</i> , 1989 , 111, 5321-5330 | 16.4 | 151 |
| 135 | Differential effects of 20-trifluoromethyl leukotriene B4 on human neutrophil functions. <i>Prostaglandins</i> , 1989 , 37, 287-302 | 13 | |
| 134 | Total synthesis of novel geometric isomers of lipoxin A4 and lipoxin B4. <i>Journal of Organic Chemistry</i> , 1989 , 54, 5527-5535 | 4.2 | 35 |
| 133 | Synthetic studies on the dioxepane region of brevetoxin B. New synthetic technology for the construction of oxepanes and synthesis of a model for the CDEF ring skeleton of brevetoxin B. <i>Journal of the American Chemical Society</i> , 1989 , 111, 4136-4137 | 16.4 | 85 |
| 132 | Synthesis of the brevetoxin B IJK ring system. <i>Journal of the American Chemical Society</i> , 1989 , 111, 6682-6690 | 87 | |
| 131 | Synthesis of the FG ring system of brevetoxin B. <i>Journal of the American Chemical Society</i> , 1989 , 111, 6676-6682 | 16.4 | 42 |
| 130 | Synthesis of the ABC ring system of brevetoxin B. <i>Journal of the American Chemical Society</i> , 1989 , 111, 6666-6675 | 16.4 | 40 |
| 129 | Activation of 6-endo over 5-exo hydroxy epoxide openings. Stereoselective and ring selective synthesis of tetrahydrofuran and tetrahydropyran systems. <i>Journal of the American Chemical Society</i> , 1989 , 111, 5330-5334 | 16.4 | 294 |
| 128 | Identification of a novel 7-cis-11-trans-lipoxin A4 generated by human neutrophils: total synthesis, spasmogenic activities and comparison with other geometric isomers of lipoxins A4 and B4. <i>Lipids and Lipid Metabolism</i> , 1989 , 1003, 44-53 | 21 | |
| 127 | Pharmacologic profile of lipoxins A5 and B5: new biologically active eicosanoids. <i>European Journal of Pharmacology</i> , 1989 , 163, 55-60 | 5.3 | 11 |
| 126 | Lipoxins stimulate prostacyclin generation by human endothelial cells. <i>FEBS Letters</i> , 1989 , 245, 167-72 | 3.8 | 68 |
| 125 | Activation of 7-endo over 6-exo epoxide openings. Synthesis of oxepane and tetrahydropyran systems. <i>Journal of the American Chemical Society</i> , 1989 , 111, 5335-5340 | 16.4 | 144 |
| 124 | Platelet-activating factor (PAF) antagonistic actions of two new analogs of tetrahydrofurans. <i>Journal of Lipid Mediators</i> , 1989 , 1, 189-99 | | |
| 123 | 4-Hydroxy-5-iod-2,3-dimethoxy-6-methylbenzoë-remethylester: Der aromatische Teil von Calichemicin II-Synthese, Röntgenstrukturanalyse und Eigenschaften. <i>Angewandte Chemie</i> , 1988 , 100, 1138-1140 | 3.6 | 8 |

| | | | |
|-----|---|------|-----|
| 122 | Ein photolytischer Zugang zu Oxepansystemen. <i>Angewandte Chemie</i> , 1988 , 100, 1413-1415 | 3.6 | 8 |
| 121 | Methyl 4-Hydroxy-5-iodo-2,3-dimethoxy-6-methylbenzoate: The Aromatic Fragment of Calicheamicin Synthesis, X-Ray Crystallographic Analysis, and Properties. <i>Angewandte Chemie International Edition in English</i> , 1988 , 27, 1097-1099 | 27 | |
| 120 | A Photolytic Entry into Oxepane Systems. <i>Angewandte Chemie International Edition in English</i> , 1988 , 27, 1362-1364 | 19 | |
| 119 | Novel chemistry of dithiatopazine. <i>Journal of the American Chemical Society</i> , 1988 , 110, 4868-4869 | 16.4 | 47 |
| 118 | Total synthesis of amphoteronolide B and amphotericin B. 2. Total synthesis of amphoteronolide B. <i>Journal of the American Chemical Society</i> , 1988 , 110, 4685-4696 | 16.4 | 98 |
| 117 | DNA cleavage by a synthetic mimic of the calicheamicin-esperamicin class of antibiotics. <i>Journal of the American Chemical Society</i> , 1988 , 110, 7247-7248 | 16.4 | 98 |
| 116 | Total synthesis of amphoteronolide B and amphotericin B. 1. Strategy and stereocontrolled construction of key building blocks. <i>Journal of the American Chemical Society</i> , 1988 , 110, 4672-4685 | 16.4 | 109 |
| 115 | A practical and enantioselective synthesis of glycosphingolipids and related compounds. Total synthesis of globotriaosylceramide (Gb3). <i>Journal of the American Chemical Society</i> , 1988 , 110, 7910-7912 | 16.4 | 104 |
| 114 | Total synthesis of amphotericin B. 3. The final stages. <i>Journal of the American Chemical Society</i> , 1988 , 110, 4696-4705 | 16.4 | 133 |
| 113 | Chemistry of amphotericin B. Degradation studies and preparation of amphoteronolide B. <i>Journal of the American Chemical Society</i> , 1988 , 110, 4660-4672 | 16.4 | 65 |
| 112 | Cyclic conjugated enediynes related to calicheamicins and esperamicins: calculations, synthesis, and properties. <i>Journal of the American Chemical Society</i> , 1988 , 110, 4866-4868 | 16.4 | 244 |
| 111 | Preparation and Reactions of Glycosyl Fluorides. <i>ACS Symposium Series</i> , 1988 , 13-28 | 0.4 | 13 |
| 110 | Lipoxins A4 and B4: comparison of icosanoids having bronchoconstrictor and vasodilator actions but lacking platelet aggregatory activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988 , 85, 8340-4 | 11.5 | 43 |
| 109 | Dithiatopazine. The first stable 1,2-dithietane. <i>Journal of the American Chemical Society</i> , 1987 , 109, 3801-3802 | 13.0 | 52 |
| 108 | Nucleophilic additions to thionolactones. New synthetic technology for the construction of medium and large ring ethers. <i>Journal of the American Chemical Society</i> , 1987 , 109, 2504-2506 | 16.4 | 59 |
| 107 | Total synthesis of amphoteronolide B. <i>Journal of the American Chemical Society</i> , 1987 , 109, 2208-2210 | 16.4 | 35 |
| 106 | The effects of lipoxin A and lipoxin B on functional responses of human granulocytes. <i>Biochemical and Biophysical Research Communications</i> , 1987 , 145, 168-75 | 3.4 | 34 |
| 105 | The action of lipoxin-A on glomerular microcirculatory dynamics in the rat. <i>Biochemical and Biophysical Research Communications</i> , 1987 , 145, 408-14 | 3.4 | 48 |

| | | | |
|-----|---|------|-----|
| 104 | Stereocontrolled construction of key building blocks for the total synthesis of amphoteronolide B and amphotericin B. <i>Journal of the American Chemical Society</i> , 1987 , 109, 2205-2208 | 16.4 | 27 |
| 103 | Total synthesis of amphotericin B. <i>Journal of the American Chemical Society</i> , 1987 , 109, 2821-2822 | 16.4 | 53 |
| 102 | Stereocontrolled Total Synthesis of Lipoxins As and B5. <i>Angewandte Chemie International Edition in English</i> , 1987 , 26, 1019-1021 | | 21 |
| 101 | Stereokontrollierte Totalsynthesen der Lipoxine A5 und B5. <i>Angewandte Chemie</i> , 1987 , 99, 1077-1079 | 3.6 | 14 |
| 100 | Lipoxin A-induced inhibition of human natural killer cell cytotoxicity: studies on stereospecificity of inhibition and mode of action. <i>Journal of Immunology</i> , 1987 , 138, 266-70 | 5.3 | 64 |
| 99 | Coronary vasoactivity of four 7,13-bridged analogs of arachidonic acid. <i>Prostaglandins, Leukotrienes, and Medicine</i> , 1986 , 23, 15-9 | | 4 |
| 98 | A General Strategy for the Synthesis of Monohydroxy-eicosatetraenoic Acids: Total Synthesis of 5(S)-Hydroxy-6(E),8,11,14(Z)-eicosatetraenoic Acid (5-HETE) and 12(S)-Hydroxy-5,8,14(Z), 10(E)-eicosatetraenoic Acid (12-HETE). <i>Synthesis</i> , 1986 , 1986, 344-347 | 2.9 | 46 |
| 97 | Stereocontrolled Total Synthesis of Lipoxins B. <i>Synthesis</i> , 1986 , 1986, 453-461 | 2.9 | 112 |
| 96 | Evidence for a 5(6)-epoxytetraene intermediate in the biosynthesis of lipoxins in human leukocytes. Conversion into lipoxin A by cytosolic epoxide hydrolase. <i>FEBS Letters</i> , 1986 , 207, 127-32 | 3.8 | 31 |
| 95 | Stereoselective total synthesis of the presumed biosynthetic precursor to lipoxins A and B: methyl (7E,9E,11Z,13E,5S,6S,15S)-5,6-epoxy-15-hydroxyicosa-7,9,11,13-tetra-enoate and its 5,6-methano analogue. <i>Journal of the Chemical Society Chemical Communications</i> , 1986 , 1816 | | 8 |
| 94 | Bridging of macrocycles to bicycles. New synthetic technology for the construction of cis- and trans-fused oxopolycyclic systems. <i>Journal of the American Chemical Society</i> , 1986 , 108, 6800-6802 | 16.4 | 32 |
| 93 | Synthesis and vascular actions of an arachidonic acid ethylene-diamino-triethyl-ester (AA-EDTA) derivative. <i>Prostaglandins</i> , 1986 , 31, 1063-8 | | 2 |
| 92 | Stereospecific 1,2-migrations in carbohydrates. Stereocontrolled synthesis of .alpha.- and .beta.-2-deoxyglycosides. <i>Journal of the American Chemical Society</i> , 1986 , 108, 2466-7 | 16.4 | 213 |
| 91 | New synthetic technology for the construction of oxocenes. <i>Journal of the American Chemical Society</i> , 1986 , 108, 2468-9 | 16.4 | 59 |
| 90 | Lipoxin A. Stereochemistry and biosynthesis. <i>Journal of Biological Chemistry</i> , 1986 , 261, 16340-5 | 5.4 | 115 |
| 89 | Total Synthesis of Natural Products: The Chiron Approach. Von S. Hanessian. Pergamon Press, Oxford 1983. XVII, 291 S., Paperback 11.25. ISBN 0-08-030715-9. <i>Angewandte Chemie</i> , 1985 , 97, 798-799 ^{3,6} | | |
| 88 | Total synthesis of elfamycins: aurodox and efrotomycin. 1. Strategy and construction of key intermediates. <i>Journal of the American Chemical Society</i> , 1985 , 107, 1691-1694 | 16.4 | 123 |
| 87 | Total synthesis of elfamycins: aurodox and efrotomycin. 2. Coupling of key intermediates and completion of the synthesis. <i>Journal of the American Chemical Society</i> , 1985 , 107, 1695-1698 | 16.4 | 45 |

| | | |
|----|---|----------|
| 86 | Stereocontrolled total synthesis of lipoxins A. <i>Journal of the American Chemical Society</i> , 1985 , 107, 7515-7518 | 131 |
| 85 | Stereocontrolled total synthesis of (5Z,8Z11Z,13E)(15S)-15-hydroxyeicosanoic acid (15S-HETE) and analogues. <i>Journal of the Chemical Society Chemical Communications</i> , 1985 , 1580 | 10 |
| 84 | Total synthesis of ionophore antibiotic X-14547A. <i>Journal of Organic Chemistry</i> , 1985 , 50, 1440-1456 | 4.2 92 |
| 83 | Modulation of leukotriene synthesis and actions by synthetic derivatives of arachidonic acid. <i>Prostaglandins</i> , 1985 , 29, 765-71 | 10 |
| 82 | Stereospecific synthesis of rhynchosporosides, a family of fungal metabolites causing scald disease in barley and other grasses. <i>Journal of the American Chemical Society</i> , 1985 , 107, 5556-5558 | 16.4 72 |
| 81 | A general and stereocontrolled total synthesis of leukotriene B4 and analogs. <i>Journal of the American Chemical Society</i> , 1984 , 106, 3548-3551 | 16.4 81 |
| 80 | The Synthesis and Biology of Fluorinated Prostacyclins. <i>Critical Reviews in Biochemistry</i> , 1984 , 15, 201-235 | 24 |
| 79 | Total synthesis of 5(S),15(S)-dihydroxy-6,13-trans-8,15-cis-eicosatetraenoic acid (5,15-diHETE) and 8(S),15(S)-dihydroxy-5,11-cis-9,13-trans-eicosatetraenoic acid (8,15-DiHETE), two novel metabolites of arachidonic acid. <i>Journal of the American Chemical Society</i> , 1984 , 106, 5734-5736 | 16.4 58 |
| 78 | Practical synthesis of oligosaccharides. Partial synthesis of avermectin B1a. <i>Journal of the American Chemical Society</i> , 1984 , 106, 4189-4192 | 16.4 270 |
| 77 | Ethanoarachidonic acids. A new class of arachidonic acid cascade modulators. 1. Monoethano compounds. <i>Journal of Organic Chemistry</i> , 1983 , 48, 5400-5403 | 4.2 29 |
| 76 | A mild and general method for the synthesis of O-glycosides. <i>Journal of the American Chemical Society</i> , 1983 , 105, 2430-2434 | 16.4 241 |
| 75 | Responsiveness of platelets and coronary arteries from different species to synthetic thromboxane and prostaglandin endoperoxide analogues. <i>British Journal of Pharmacology</i> , 1983 , 78, 287-92 | 8.6 84 |
| 74 | Carbohydrates in organic synthesis. Synthesis of 16-membered-ring macrolide antibiotics. 5. Total synthesis of O-mycinosyltylonolide: synthesis of key intermediates. <i>Journal of the American Chemical Society</i> , 1982 , 104, 2027-2029 | 16.4 68 |
| 73 | The endiandric acid cascade. Electrocyclizations in organic synthesis. I. Stepwise, stereocontrolled total synthesis of endiandric acids A and B. <i>Journal of the American Chemical Society</i> , 1982 , 104, 5555-5557 | 16.4 171 |
| 72 | The endiandric acid cascade. Electrocyclizations in organic synthesis. 4. Biomimetic approach to endiandric acids A-G. Total synthesis and thermal studies. <i>Journal of the American Chemical Society</i> , 1982 , 104, 5560-5562 | 16.4 137 |
| 71 | Selective inhibition of 5-lipoxygenase by 5,6-methanoleukotriene A4, a stable analogue of leukotriene A4. <i>FEBS Letters</i> , 1982 , 143, 13-6 | 3.8 27 |
| 70 | Synthesis of stable thromboxane A2 analogs: pinane thromboxane A2 (PTA2) and carbocyclic thromboxane A2 (CTA2). <i>Methods in Enzymology</i> , 1982 , 86, 400-9 | 1.7 4 |
| 69 | The endiandric acid cascade. Electrocyclizations in organic synthesis. 3. "Biomimetic" approach to endiandric acids A-G. Synthesis of precursors. <i>Journal of the American Chemical Society</i> , 1982 , 104, 5558-5560 | 16.4 116 |

| | | | |
|----|---|------|-----|
| 68 | Anti-thromboxane A2 actions of pinane thromboxane A2 derivatives. <i>Prostaglandins, Leukotrienes, and Medicine</i> , 1982 , 9, 503-9 | | 2 |
| 67 | Ionophore antibiotic X-14547A. Degradation studies and stereoselective construction of the "right wing" (C11-C25 fragment) by an intramolecular Diels-Alder reaction. <i>Journal of Organic Chemistry</i> , 1981 , 46, 1506-1508 | 4.2 | 35 |
| 66 | Organoselenium-based synthesis of oxygen-containing prostacyclins. <i>Journal of the American Chemical Society</i> , 1981 , 103, 3480-3485 | 16.4 | 19 |
| 65 | Synthesis of 16-membered-ring macrolide antibiotics. 4. Carbomycin B and leucomycin A3: total synthesis of cyclic key intermediate. <i>Journal of the American Chemical Society</i> , 1981 , 103, 1224-1226 | 16.4 | 69 |
| 64 | Organoselenium-based synthesis of sulfur-containing prostacyclins. <i>Journal of the American Chemical Society</i> , 1981 , 103, 3486-3497 | 16.4 | 20 |
| 63 | N-Phenylselenophthalimide. A useful reagent for the facile transformation of (1) carboxylic acids into either selenol esters or amides and (2) alcohols into alkyl phenyl selenides. <i>Journal of Organic Chemistry</i> , 1981 , 46, 1215-1217 | 4.2 | 79 |
| 62 | Synthesis of (5Z)- and (5E)-6,9-thiaprostacyclins. <i>Journal of the American Chemical Society</i> , 1981 , 103, 3472-3480 | 16.4 | 29 |
| 61 | Spasmogenic effects of the anti-fertility agent, zoapananol. <i>Life Sciences</i> , 1981 , 28, 2743-6 | 6.8 | 18 |
| 60 | Carbocyclic thromboxane A2: aggravation of myocardial ischemia by a new synthetic thromboxane A2 analog. <i>Prostaglandins</i> , 1981 , 21, 443-56 | | 39 |
| 59 | Synthesis of 16-membered-ring macrolide antibiotics. 3. Carbomycin B and leucomycin A3: retrosynthetic studies. <i>Journal of the American Chemical Society</i> , 1981 , 103, 1222-1224 | 16.4 | 41 |
| 58 | Total synthesis of ionophore antibiotic X-14547A. 1. Enantioselective synthesis of the tetrahydropyran and tetrahydroindan building blocks. <i>Journal of the American Chemical Society</i> , 1981 , 103, 6967-6969 | 16.4 | 52 |
| 57 | Total synthesis of ionophore antibiotic X-14547A. 2. Coupling of the tetrahydropyran and tetrahydroindan systems and construction of the butadienyl and ketopyrrole moieties. <i>Journal of the American Chemical Society</i> , 1981 , 103, 6969-6971 | 16.4 | 32 |
| 56 | Mechanism of coronary vasoconstriction induced by carbocyclic thromboxane A2. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1981 , 240, H493-7 | 5.2 | 11 |
| 55 | Eine schnelle und ergiebige Synthese des Ringeräts von Aphidicolin und ähnlichen Naturstoffen. <i>Angewandte Chemie</i> , 1981 , 93, 811-812 | 3.6 | 0 |
| 54 | An Expedited and Efficient Entry into the Aphidicolin and Related Natural Products Ring Skeleton. <i>Angewandte Chemie International Edition in English</i> , 1981 , 20, 785-786 | | 7 |
| 53 | Thromboxane synthetase inhibitors differentially antagonize thromboxane receptors in vascular smooth muscle. <i>Naunyn-Schmiedebergs Archives of Pharmacology</i> , 1981 , 318, 130-4 | 3.4 | 11 |
| 52 | Dissociation of vasoconstrictor and platelet aggregatory activities of thromboxane by carbocyclic thromboxane A2, a stable analog of thromboxane A2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1980 , 77, 1706-10 | 11.5 | 101 |
| 51 | Prostacyclin has effects on proximal and distal tubular function in the dog. <i>Prostaglandins, Leukotrienes and Essential Fatty Acids</i> , 1980 , 4, 141-6 | | 8 |

| | | |
|----|--|----------|
| 50 | PGI2-specific antibodies administered in vivo suggest against a role for endogenous PGI2 as a circulating vasodepressor hormone in the normotensive and spontaneously hypertensive rat. <i>Prostaglandins</i> , 1980 , 20, 1053-60 | 19 |
| 49 | Carbocyclic thromboxane A2. <i>Journal of the American Chemical Society</i> , 1980 , 102, 1404-1409 | 16.4 63 |
| 48 | Phenylselenoetherification. A highly efficient cyclization process for the synthesis of oxygen- and sulfur-heterocycles. <i>Journal of the American Chemical Society</i> , 1980 , 102, 3784-3793 | 16.4 104 |
| 47 | A remarkably simple, highly efficient, and stereoselective synthesis of steroids and other polycyclic systems. Total synthesis of estra-1,3,5(10)-trien-17-one via intramolecular capture of o-quinodimethanes generated by cheletropic elimination of sulfur dioxide. <i>Journal of Organic Chemistry</i> , 1980 , 45, 1463-1470 | 4.2 92 |
| 46 | Total synthesis of (.-)-zoapatanol. <i>Journal of the American Chemical Society</i> , 1980 , 102, 6611-6612 | 16.4 55 |
| 45 | Beneficial actions of a new thromboxane analog in traumatic shock. <i>Advances in Prostaglandin and Thromboxane Research</i> , 1980 , 7, 835-8 | 3 |
| 44 | Protective effects of a novel thromboxane analog in lethal traumatic shock. <i>Prostaglandins, Leukotrienes and Essential Fatty Acids</i> , 1979 , 3, 139-46 | 20 |
| 43 | Copper inhibits pressor responses to noradrenaline but not potassium. Interactions with prostaglandins E1, E2, and I2 and penicillamine. <i>Canadian Journal of Physiology and Pharmacology</i> , 1979 , 57, 35-40 | 2.4 19 |
| 42 | N-Phenylselenophthalimide (N-PSP) and N-phenylselenosuccinimide (N-PSS). Two versatile carriers of the phenylseleno group. Oxselenation of olefins and a selenium-based macrolide synthesis. <i>Journal of the American Chemical Society</i> , 1979 , 101, 3704-3706 | 16.4 192 |
| 41 | Prostaglandin synthesis by fetal rat bone in vitro: evidence for a role of prostacyclin. <i>Prostaglandins</i> , 1979 , 17, 905-14 | 135 |
| 40 | Circulatory and platelet actions of 6,9-thiaprostagacyclin (PGI2-S) in the cat. <i>Life Sciences</i> , 1979 , 25, 259-63 | 6.8 10 |
| 39 | Phenylseleno- and phenylsulfenolactonizations. Two highly efficient and synthetically useful cyclization procedures. <i>Journal of the American Chemical Society</i> , 1979 , 101, 3884-3893 | 16.4 145 |
| 38 | 6,9-Pyridazaprostagacyclin and derivatives: the first "aromatic" prostacyclins. <i>Journal of the American Chemical Society</i> , 1979 , 101, 766-768 | 16.4 24 |
| 37 | Synthesis of macrocycles by intramolecular ketophosphonate reactions. Stereoselective construction of the "left-wing" of carbomycin B and a synthesis of dl-muscone from oleic acid. <i>Journal of Organic Chemistry</i> , 1979 , 44, 4011-4013 | 4.2 101 |
| 36 | Effect of 6,9-thia prostaglandin I2 (a stable PGI2 analogue) on passive cutaneous anaphylaxis (PCA) in rats. <i>The Japanese Journal of Pharmacology</i> , 1979 , 29, 811-3 | 2 |
| 35 | Synthesis and biological properties of pinane-thromboxane A2, a selective inhibitor of coronary artery constriction, platelet aggregation, and thromboxane formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1979 , 76, 2566-70 | 11.5 86 |
| 34 | Selective binding site for [3H]prostacyclin on platelets. <i>Journal of Clinical Investigation</i> , 1979 , 63, 215-20 | 15.9 177 |
| 33 | A triple test for screening biological activity of prostacyclin analogues. <i>Experientia</i> , 1978 , 34, 1336-8 | 11 |

| | | |
|----|--|----------|
| 32 | Synthesis of prostaglandin H2 (PGH2) and prostacyclin (PGI2) analogs: tetrathia-PGH2 and PGI2-ketal methyl ester. <i>Prostaglandins, Leukotrienes and Essential Fatty Acids</i> , 1978 , 1, 96-7 | 5 |
| 31 | Synthesis and biological properties of prostaglandin endoperoxides, thromboxanes and prostacyclins. <i>Angewandte Chemie International Edition in English</i> , 1978 , 17, 293-312 | 76 |
| 30 | Synthesen und biologische Eigenschaften von Prostaglandinendoperoxiden, Thromboxanen und Prostacyclinen. <i>Angewandte Chemie</i> , 1978 , 90, 360-379 | 3.6 24 |
| 29 | Total synthesis of erythromycins. 4. Total synthesis of erythronolide B. <i>Journal of the American Chemical Society</i> , 1978 , 100, 4620-4622 | 16.4 134 |
| 28 | Total synthesis of erythromycins. 3. Stereoselective routes to intermediates corresponding to C(1) to C(9) and C(10) to C(13) fragments of erythronolide B. <i>Journal of the American Chemical Society</i> , 1978 , 100, 4618-4620 | 16.4 99 |
| 27 | Total synthesis of carboprostacyclin, a stable and biologically active analogue of prostacyclin (PGI2). <i>Journal of the Chemical Society Chemical Communications</i> , 1978 , 1067 | 41 |
| 26 | Organoselenium-induced ring closures. Stereoselective synthesis of cyclic .alpha.,.beta.-unsaturated sulfoxides, sulfones, and sulfides and synthesis of 6,9-sulfoxa-5(E)- and -5(Z)-prostacyclin, 6,9-sulfo-5(E)- and -5(Z)-prostacyclin, 6,9-sulfo-6.alpha.- and -6.beta.-4(E)-isoprostacyclin, and 6,9-thiaprostaglandin. <i>Journal of the American Chemical Society, Prostaglandins E1,E2 and I2: evidence for three distinct actions in vascular smooth muscle.</i> <i>Biochemical and Biophysical Research Communications</i> , 1978 , 83, 295-9 | 16.4 28 |
| 25 | Effect of prostacyclin on perfusion pressure, electrical activity, rate and force of contraction in isolated rat and rabbit hearts. <i>Life Sciences</i> , 1978 , 22, 2079-85 | 3.4 24 |
| 24 | Prostaglandin I2 has more potent hypotensive properties than prostaglandin E2 in the normal and spontaneously hypertensive rat. <i>Prostaglandins</i> , 1978 , 15, 999-1003 | 6.8 31 |
| 23 | Enhanced formation of PGI2, a potent hypotensive substance, by aortic rings and homogenates of the spontaneously hypertensive rat. <i>Prostaglandins</i> , 1978 , 15, 1005-12 | 131 64 |
| 21 | Prostaglandin I2 as a potentiator of acute inflammation in rats. <i>Prostaglandins</i> , 1978 , 15, 557-64 | 53 |
| 20 | Studies of the mechanisms involved in the fate of prostacyclin (PGI2) and 6-keto-PGF1alpha in the pulmonary circulation. <i>Prostaglandins</i> , 1978 , 16, 871-84 | 47 |
| 19 | Prostacyclin: a potentially valuable agent for preserving myocardial tissue in acute myocardial ischemia. <i>Science</i> , 1978 , 200, 52-4 | 33.3 225 |
| 18 | TOTAL SYNTHESIS OF 14-FLUOROPROSTAGLANDIN F2 α AND 14-FLUOROPROSTACYCLIN. <i>Chemistry Letters</i> , 1978 , 7, 1001-1004 | 1.7 6 |
| 17 | Prostaglandin I2 (prostacyclin) inhibits intracellular calcium release [proceedings]. <i>Journal of Physiology</i> , 1978 , 276, 40P-41P | 3.9 2 |
| 16 | Cardiac and renal prostaglandin I2. Biosynthesis and biological effects in isolated perfused rabbit tissues. <i>Journal of Clinical Investigation</i> , 1978 , 61, 839-49 | 15.9 144 |
| 15 | 6,9-thiaprostaglandin. A stable and biologically potent analogue of prostacyclin (PGI2). <i>Journal of the American Chemical Society</i> , 1977 , 99, 7736-8 | 16.4 47 |

LIST OF PUBLICATIONS

| | | | |
|----|--|------|-----|
| 14 | A translactonization route to macrocyclic lactones. <i>Journal of the American Chemical Society</i> , 1977 , 99, 7359-7360 | 16.4 | 46 |
| 13 | Phenylselenolactonization. An extremely mild and synthetically useful cyclization process. <i>Journal of the American Chemical Society</i> , 1977 , 99, 3185-3187 | 16.4 | 70 |
| 12 | Stimulation of renin release from rabbit renal cortex by arachidonic acid and prostaglandin endoperoxides. <i>Circulation Research</i> , 1976 , 39, 868-74 | 15.7 | 192 |
| 11 | Synthesis and biological properties of a 9,11-azo-prostanoid: highly active biochemical mimic of prostaglandin endoperoxides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1975 , 72, 3355-8 | 11.5 | 96 |
| 10 | Letter: Synthesis of novel macrocyclic lactones in the prostaglandin and polyether antibiotic series. <i>Journal of the American Chemical Society</i> , 1975 , 97, 653-4 | 16.4 | 75 |
| 9 | Synthesis of brefeldin A, carpaine, vertaline, and erythronolide B from nonmacrocyclic precursors. <i>Journal of the American Chemical Society</i> , 1975 , 97, 654-655 | 16.4 | 74 |
| 8 | Letter: Total synthesis of (plus or minus)-vermiculine. <i>Journal of the American Chemical Society</i> , 1975 , 97, 2287-8 | 16.4 | 77 |
| 7 | Additions of chlorosulfonyl isocyanate and sulfenyl halides to benzvalene. <i>Journal of the American Chemical Society</i> , 1974 , 96, 1948-1949 | 16.4 | 19 |
| 6 | Efficient and mild lactonization method for the synthesis of macrolides. <i>Journal of the American Chemical Society</i> , 1974 , 96, 5614-5616 | 16.4 | 415 |
| 5 | A short synthetic route to prostaglandins utilizing position-selective epoxide opening by the vinyl gilman reagent. <i>Tetrahedron Letters</i> , 1974 , 15, 2439-2440 | 2 | 30 |
| 4 | Synthesis of 3,4,5,10,11,12-cyclotetradecaheptaene-1,8-dione, a monocyclic dicumulenedione. <i>Journal of Organic Chemistry</i> , 1973 , 38, 2715-2717 | 4.2 | 6 |
| 3 | Monocyclic allenes. Synthesis of 3,8,9-cycloundecatriene-1,6-dione and 12-oxabicyclo[7.2.1]dodeca-5,6,9,11-tetraen-3-one, a furanophane containing an allene group. <i>Journal of Organic Chemistry</i> , 1973 , 38, 864-868 | 4.2 | 5 |
| 2 | Diastereomeric monocyclic diallenes. Synthesis and properties of the diastereomeric 3,4,9,10-cyclododecatetraene-1,7-diones and 3,4,10,11-cyclotetradecatetraene-1,8-diones. <i>Journal of the American Chemical Society</i> , 1973 , 95, 4582-4592 | 16.4 | 30 |
| 1 | Total Synthesis Endeavors and Their Contributions to Science and Society:A Personal Account. <i>CCS Chemistry</i> , 3-37 | 7.2 | 15 |