

James D White

List of Publications by Year in descending order

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104
times ranked

2704
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric Catalysis Using Chiral Salen-Metal Complexes: Recent Advances. <i>Chemical Reviews</i> , 2019, 119, 9381-9426.	47.7	174
2	A New Catalyst for the Asymmetric Henry Reaction: Synthesis of β^2 -Nitroethanols in High Enantiomeric Excess. <i>Organic Letters</i> , 2012, 14, 6270-6273.	4.6	110
3	Tandem Photocycloaddition~Retro-Mannich Fragmentation of Enaminones. A Route to Spiropyrrolines and the Tetracyclic Core of Koumine. <i>Organic Letters</i> , 2006, 8, 1081-1084.	4.6	103
4	Synthesis of Polyhydroxylated Pyrrolizidine Alkaloids of the Alexine Family by Tandem Ring-Closing Metathesis~Transannular Cyclization. (+)-Australine. <i>Journal of Organic Chemistry</i> , 2000, 65, 9129-9142.	3.2	99
5	Total Synthesis of Epothilone B, Epothilone D, and cis- and trans-9,10-Dehydroepothilone D. <i>Journal of the American Chemical Society</i> , 2001, 123, 5407-5413.	13.7	98
6	Total Synthesis of Rhizoxin D, a Potent Antimitotic Agent from the Fungus <i>Rhizopus chinensis</i> . <i>Journal of Organic Chemistry</i> , 2002, 67, 7750-7760.	3.2	89
7	Tandem Intramolecular Photocycloaddition~Retro-Mannich Fragmentation as a Route to Spiro[pyrrolidine-3,3'-oxindoles]. Total Synthesis of (Δ^{\pm})-Coerulescine, (Δ^{\pm})-Horsfiline, (Δ^{\pm})-Elacomine, and (Δ^{\pm})-6-Deoxyelacomine. <i>Journal of Organic Chemistry</i> , 2010, 75, 3569-3577.	3.2	81
8	Tandem Ring-Closing Metathesis Transannular Cyclization as a Route to Hydroxylated Pyrrolizidines. Asymmetric Synthesis of (+)-Australine. <i>Journal of the American Chemical Society</i> , 1998, 120, 7359-7360.	13.7	80
9	Total synthesis and biological evaluation of (+)-kalkitoxin, a cytotoxic metabolite of the cyanobacterium <i>Lyngbya majuscula</i> . Electronic supplementary information (ESI) available: ^1H NMR spectrum of synthetic (+)-kalkitoxin in C_6D_6 . See http://www.rsc.org/suppdata/ob/b4/b404205k/ . <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 2092.	2.8	79
10	Catalyzed Asymmetric Diels~Alder Reaction of Benzoquinone. Total Synthesis of (Δ^{\sim})-Ibogamine. <i>Organic Letters</i> , 2000, 2, 2373-2376.	4.6	76
11	Absolute Configuration and Total Synthesis of (+)-Curacin A, an Antiproliferative Agent from the Cyanobacterium <i>Lyngbya majuscula</i> . <i>Journal of the American Chemical Society</i> , 1997, 119, 103-111.	13.7	75
12	Total Synthesis of the Marine Toxin Polycavernoside A via Selective Macrolactonization of a Trihydroxy Carboxylic Acid. <i>Journal of the American Chemical Society</i> , 2001, 123, 8593-8595.	13.7	75
13	Cyclopropane-Containing Eicosanoids of Marine Origin. Biomimetic Synthesis of Constanolactones A and B from the Alga <i>Constantinea simplex</i> . <i>Journal of the American Chemical Society</i> , 1995, 117, 6224-6233.	13.7	72
14	A Highly Stereoselective Synthesis of Epothilone B. <i>Journal of Organic Chemistry</i> , 1999, 64, 684-685.	3.2	70
15	Total synthesis of (+)-latrunculin A, an ichthyotoxic metabolite of the sponge <i>Latrunculia magnifica</i> and its C-15 epimer. <i>Journal of Organic Chemistry</i> , 1992, 57, 5292-5300.	3.2	67
16	Asymmetric Total Synthesis of (+)-Codeine via Intramolecular Carbenoid Insertion. <i>Journal of Organic Chemistry</i> , 1999, 64, 7871-7884.	3.2	65
17	Total Synthesis of Cryptophycins-1, -3, -4, -24 (Arenastatin A), and -29, Cytotoxic Depsipeptides from Cyanobacteria of the Nostocaceae. <i>Journal of Organic Chemistry</i> , 1999, 64, 6206-6216.	3.2	65
18	Asymmetric Synthesis of (+)-Morphine. The Phenanthrene Route Revisited. <i>Journal of Organic Chemistry</i> , 1997, 62, 5250-5251.	3.2	64

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19	Total Synthesis of (âˆ™)-7-Epicylindrospermopsin, a Toxic Metabolite of the Freshwater Cyanobacterium <i>Aphanizomenon ovalisporum</i> , and Assignment of Its Absolute Configuration. <i>Journal of Organic Chemistry</i> , 2005, 70, 1963-1977.	3.2	62
20	Synthesis of the Aliphatic Depside (+)-Bourgeanic Acid. <i>Journal of Organic Chemistry</i> , 1994, 59, 3347-3358.	3.2	61
21	A New Iron(III)â€“Salen Catalyst for Enantioselective Conia-ene Carbocyclization. <i>Journal of the American Chemical Society</i> , 2014, 136, 13578-13581.	13.7	60
22	Total Synthesis of Solandelactones A, B, E, and F Exploiting a Tandem Petasisâˆ™Claisen Lactonization Strategy. <i>Journal of Organic Chemistry</i> , 2008, 73, 4139-4150.	3.2	53
23	Total synthesis of (+)-latrunculin A. <i>Journal of the American Chemical Society</i> , 1990, 112, 4991-4993.	13.7	50
24	Iron catalyzed enantioselective sulfa-Michael addition: a four-step synthesis of the anti-asthma agent Montelukast. <i>Chemical Science</i> , 2014, 5, 2200-2204.	7.4	50
25	Biomimetic synthesis of a cyclopropane containing eicosanoid from the coral <i>Plexaura homomalla</i> . Assignment of relative configuration. <i>Journal of the American Chemical Society</i> , 1993, 115, 2970-2971.	13.7	48
26	Enantiospecific Synthesis of (+)-Byssochlamic Acid, a Nonadride from the Ascomycete <i>Byssochlamys fulva</i> . <i>Journal of the American Chemical Society</i> , 2000, 122, 8665-8671.	13.7	48
27	Transannular Nitron Cycloaddition. A Stereocontrolled Entry to the Spirocyclic Core of Pinnaic Acid. <i>Organic Letters</i> , 2001, 3, 413-415.	4.6	48
28	Stereoselective synthesis of the pyrrolizidine alkaloids (-)-integerrimine and (+)-usaramine. <i>Journal of Organic Chemistry</i> , 1992, 57, 2270-2284.	3.2	47
29	Total Synthesis of Rutamycin B, a Macrolide Antibiotic from <i>Streptomyces aureofaciens</i> . <i>Journal of Organic Chemistry</i> , 2001, 66, 5217-5231.	3.2	47
30	Application of the DÃ¶tz Reaction to Construction of a Major Portion of the Ansa Macrocyclic (âˆ™)-Kendomycin. <i>Organic Letters</i> , 2005, 7, 235-238.	4.6	46
31	Asymmetric synthesis of (+)-loline, a pyrrolizidine alkaloid from rye grass and tall fescue. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 1831-1847.	1.3	44
32	Transformations of Quinic Acid. Asymmetric Synthesis and Absolute Configuration of Mycosporin I and Mycosporin-gly. <i>Journal of Organic Chemistry</i> , 1995, 60, 3600-3611.	3.2	43
33	<i>cis</i> -2,5-Diaminobicyclo[2.2.2]octane, a New Scaffold for Asymmetric Catalysis via Salenâˆ™Metal Complexes. <i>Organic Letters</i> , 2011, 13, 2488-2491.	4.6	43
34	A Novel Synthesis of (âˆ™)-Huperzine A via Tandem Intramolecular Aza-Prins Cyclizationâ€“Cyclobutane Fragmentation. <i>Organic Letters</i> , 2013, 15, 882-885.	4.6	43
35	Stereochemical transcription via the intramolecular Diels-Alder reaction. Enantioselective synthesis of the nucleus of (+)-pillaromycinone. <i>Journal of Organic Chemistry</i> , 1986, 51, 1150-1152.	3.2	40
36	Asymmetric Synthesis of Epicylindrospermopsin via Intramolecular Nitron Cycloaddition. Assignment of Absolute Configuration. <i>Journal of the American Chemical Society</i> , 2002, 124, 4950-4951.	13.7	40

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37	The chemistry and biology of rhizoxins, novel antitumor macrolides from <i>Rhizopus chinensis</i> . <i>Tetrahedron</i> , 2004, 60, 5653-5681.	1.9	40
38	Condensation of crotonic and tiglic acid dianions with aldehydes and ketones. <i>Journal of Organic Chemistry</i> , 1984, 49, 4424-4429.	3.2	39
39	Total Synthesis of Phorboxazole A. 1. Preparation of Four Subunits. <i>Organic Letters</i> , 2006, 8, 6039-6042.	4.6	39
40	A New Cobalt-Salen Catalyst for Asymmetric Cyclopropanation. Synthesis of the Serotonin-Norepinephrine Reuptake Inhibitor (+)-Synosutine. <i>Organic Letters</i> , 2014, 16, 3880-3883.	4.6	39
41	Total synthesis of (.+.)-byssochlamic acid. <i>Journal of the American Chemical Society</i> , 1992, 114, 9673-9674.	13.7	38
42	Intramolecular Palladium(II)-Mediated Alkoxy Carbonylation as a Route to Functionalized Tetrahydropyrans. Synthesis of the C9-C32 Segment of Phorboxazole A. <i>Organic Letters</i> , 2001, 3, 4003-4006.	4.6	38
43	Total Synthesis of Solandelactones E and F, Homoeicosanoids from the Hydroid <i>Solanderia secunda</i> . <i>Organic Letters</i> , 2007, 9, 3481-3483.	4.6	38
44	(2,3)-1,2-epoxy-3-butanol. A useful synthon for the preparation of chiral 1,2-diols. <i>Tetrahedron Letters</i> , 1983, 24, 4539-4542.	1.4	37
45	Intramolecular palladium catalyzed alkoxy carbonylation of 6-hydroxy-1-octenes. Stereoselective synthesis of substituted tetrahydropyrans. <i>Tetrahedron Letters</i> , 1999, 40, 1463-1466.	1.4	37
46	Improved Synthesis of Epothilone B Employing Alkylation of an Alkyne for Assembly of Subunits. <i>Organic Letters</i> , 1999, 1, 1431-1434.	4.6	36
47	Synthesis of Epiantillatoxin, a Stereoisomer of the Potent Ichthyotoxin from <i>Lyngbya majuscula</i> . <i>Journal of the American Chemical Society</i> , 1999, 121, 1106-1107.	13.7	35
48	Studies on the Synthesis of (±)-Gymnodimine. Subunit Synthesis and Coupling. <i>Journal of Organic Chemistry</i> , 2007, 72, 1717-1728.	3.2	35
49	Total synthesis of (+)-aplasomycin. <i>Journal of the American Chemical Society</i> , 1986, 108, 8105-8107.	13.7	33
50	Studies on the Synthesis of Gymnodimine. Stereocontrolled Construction of the Tetrahydrofuran Subunit. <i>Organic Letters</i> , 2003, 5, 4109-4112.	4.6	33
51	Regioselective and Enantioselective Addition of Sulfur Nucleophiles to Acyclic 1,2,3-Unsaturated Dienones Catalyzed by an Iron(III)-Salen Complex. <i>Organic Letters</i> , 2015, 17, 4564-4567.	4.6	32
52	Stereocontrolled synthesis of the C(1)-C(17) half of boromycin. <i>Journal of the American Chemical Society</i> , 1983, 105, 6517-6518.	13.7	30
53	Total Synthesis of Phorboxazole A. 2. Assembly of Subunits and Completion of the Synthesis. <i>Organic Letters</i> , 2006, 8, 6043-6046.	4.6	30
54	Total synthesis of boromycin. <i>Journal of the American Chemical Society</i> , 1989, 111, 790-792.	13.7	29

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55	Asymmetric synthesis of (+)-loline. <i>Chemical Communications</i> , 2000, , 1263-1264.	4.1	26
56	Conformational Study of the Intramolecular Diels-Alder Reaction of a Pentadienyl Acrylate. Theoretical Evaluation of Kinetic and Thermodynamic Control. <i>Organic Letters</i> , 2000, 2, 3313-3316.	4.6	25
57	Anomalous Products from Intramolecular C-H Insertion by a Rhodium Carbenoid. Possible Involvement of a Zwitterionic Mechanism. <i>Journal of Organic Chemistry</i> , 1999, 64, 7271-7273.	3.2	24
58	Studies on the Synthesis of Gymnodimine. Construction of the Spiroimine Portion via Diels-Alder Cycloaddition. <i>Organic Letters</i> , 2003, 5, 4983-4986.	4.6	24
59	Total synthesis of (+)-kalkitoxin Electronic supplementary information (ESI) available: experimental procedures and spectroscopic data. See http://www.rsc.org/suppdata/cc/b3/b306124h/ . <i>Chemical Communications</i> , 2003, , 2012.	4.1	24
60	Studies on the total synthesis of the macrolide antitumor agent rhizoxin. 2. Synthesis of the C14-C26 segment. <i>Tetrahedron Letters</i> , 1997, 38, 7333-7336.	1.4	23
61	A new route to furanoeremophilane sesquiterpenoids. Synthesis of Senecio metabolites (Δ^{\pm})-6-hydroxyeurypsins, (Δ^{\pm})-1,10-epoxy-6-hydroxyeurypsins, (Δ^{\pm})-toluccanolide A and (Δ^{\pm})-toluccanolide C. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 1020.	2.8	22
62	Studies on the total synthesis of the macrolide antitumor agent rhizoxin. 1. Synthesis of the C3-C13 segment. <i>Tetrahedron Letters</i> , 1997, 38, 7329-7332.	1.4	21
63	Synthesis of an Advanced Intermediate for (+)-Pillaromycinone. Staunton-Weinreb Annulation Revisited. <i>Organic Letters</i> , 2008, 10, 2833-2836.	4.6	21
64	Synthesis of the Tricarbonyl Subunit (C8-C19) of Rapamycin via Tandem Chan Rearrangement-Oxidation. <i>Journal of Organic Chemistry</i> , 1996, 61, 2600-2601.	3.2	20
65	A concise synthesis of the cytotoxic depsipeptide arenastatin A. <i>Tetrahedron Letters</i> , 1998, 39, 8779-8782.	1.4	20
66	Cyclobutane Synthesis and Fragmentation. A Cascade Route to the <i>Lycopodium</i> Alkaloid (Δ^{\pm})-Huperzine A. <i>Journal of Organic Chemistry</i> , 2015, 80, 11806-11817.	3.2	19
67	Synthesis of the Cyclobutylfuran Sector of Providencin via Zirconium-mediated Oxygen Abstraction from a Furanoside. <i>Organic Letters</i> , 2009, 11, 1433-1436.	4.6	18
68	Total synthesis of the marine toxin phorboxazole A using palladium(ii)-mediated intramolecular alkoxyacylation for tetrahydropyran synthesis. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7884.	2.8	17
69	Stereospecific synthesis of the C(3)-C(10) segment of aplasmomycin from (R)-pulegone. <i>Tetrahedron Letters</i> , 1987, 28, 3061-3064.	1.4	16
70	Conversion of Carbamates to Amidosulfones and Amides. Synthesis of the [14C]-Labeled Antiobesity Agent Ro23-7637. <i>Organic Letters</i> , 2002, 4, 1803-1806.	4.6	14
71	Synthesis, Conformational Analysis, and Bioassay of 9,10-Didehydroepothilone D. <i>Organic Letters</i> , 2002, 4, 995-997.	4.6	14
72	Synthesis of Cryptothilone 1, the First Cryptophycin-Epothilone Hybrid. <i>Organic Letters</i> , 2006, 8, 3947-3950.	4.6	14

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73	Studies of the Synthesis of Providencin: Construction and Assembly of Two Major Subunits. <i>Journal of Organic Chemistry</i> , 2014, 79, 700-710.	3.2	14
74	A NMR analysis of boromycin sodium complex and sodium desvalinoboromycin. <i>Journal of Organic Chemistry</i> , 1986, 51, 464-471.	3.2	13
75	<i>cis</i> -2,5-Diaminobicyclo[2.2.2]octane, a New Chiral Scaffold for Asymmetric Catalysis. <i>Accounts of Chemical Research</i> , 2016, 49, 1825-1834.	15.6	13
76	Regioselective, intramolecular oxyselenation as a route to the tetrahydrofuran units of boromycin and aplasmomycin. <i>Tetrahedron Letters</i> , 1984, 25, 3671-3674.	1.4	12
77	Synthesis of Two Subunits of the Macrolide Domain of the Immunosuppressive Agent Sanglifehrins and Assembly of a Macrolactone Precursor. Application of Masamune <i>anti</i> -Aldol Condensation. <i>Journal of Organic Chemistry</i> , 2015, 80, 2249-2262.	3.2	10
78	Partial synthesis of boromycin. <i>Tetrahedron Letters</i> , 1981, 22, 3123-3126.	1.4	9
79	Enhanced reactivity and anti selectivity in the asymmetric Lewis acid-mediated Mukaiyama aldol reaction of β -alkoxythiolketene acetals with β , β -disubstituted enals: synthesis of the C26-C33 segment of rapamycin. <i>Chemical Communications</i> , 1997, , 1919.	4.1	9
80	Optimized synthesis and antiproliferative activity of desTHPdactylolides. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 3514-3520.	3.0	9
81	Synthesis of the C20-C34 Segment of the Immunosuppressant FK-506 via Stereocontrolled Aldol Coupling. Application of a Remote Chelation Effect. <i>Synlett</i> , 1994, 1994, 591-593.	1.8	8
82	Stereochemistry of contiguous cyclopropane formation from cascade cyclization of a skipped dienylyl homoallyl triflate. <i>Chemical Communications</i> , 2004, , 2846.	4.1	8
83	Synthesis of the northern sector (C8-C19) of rapamycin via Chan rearrangement and oxidation of an β -acyloxyacetate. <i>Tetrahedron</i> , 2009, 65, 6642-6647.	1.9	8
84	Synthesis of 1,1-[1-Naphthoxy-2-thiophenyl]-2-methylaminomethylcyclopropanes and Their Evaluation as Inhibitors of Serotonin, Norepinephrine, and Dopamine Transporters. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 5872-5879.	6.4	8
85	Synthesis of Ring D Modified Morphinan Systems via Ring Expansion of a Key Codeine Intermediate. <i>Journal of Organic Chemistry</i> , 2000, 65, 2646-2650.	3.2	7
86	The chemistry and biology of rhizoxins, novel antitumor macrolides from <i>Rhizopus chinensis</i> . <i>Tetrahedron</i> , 2004, 60, 5653-5653.	1.9	4
87	Synthesis of the Tripeptide Domain of Sanglifehrins Using Asymmetric Phase-Transfer Catalysis. <i>Journal of Organic Chemistry</i> , 2013, 78, 2757-2762.	3.2	4
88	Total synthesis of (+)-kalkitoxin. <i>Chemical Communications</i> , 2003, , 2012-3.	4.1	3
89	Application of stereocontrolled aldol coupling to synthesis of segments of immunosuppressants FK-506 and rapamycin. <i>Tetrahedron</i> , 2009, 65, 6635-6641.	1.9	2
90	Total synthesis of macrodiolide ionophores aplasmomycin A and boromycin via double ring contraction. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9116-9132.	2.8	2

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91	The Chemistry and Biology of Rhizoxins, Novel Antitumor Macrolides from <i>Rhizopus chinensis</i> . ChemInform, 2004, 35, no.	0.0	0