

James S Panek

List of Publications by Year in descending order

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101543

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#	ARTICLE	IF	CITATIONS
1	Diastereoselective Reactions of Chiral Allyl and Allenyl Silanes with Activated C:X .pi.-Bonds. <i>Chemical Reviews</i> , 1995, 95, 1293-1316.	47.7	516
2	RECENT PROGRESS IN THE CHEMISTRY OF ACYLSILANES. A REVIEW. <i>Organic Preparations and Procedures International</i> , 1992, 24, 553-582.	1.3	117
3	Stereoselective Synthesis of Functionalized Dihydropyrans via a Formal [4+2]-Annulation of Chiral Crotylsilanes. <i>Journal of the American Chemical Society</i> , 2000, 122, 9836-9837.	13.7	111
4	Total Synthesis and Stereochemical Reassignment of (+)-Neopeltolide. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 9211-9214.	13.8	104
5	Stereo- and Regiocontrolled Synthesis of Branched Trisubstituted Conjugated Dienes by Palladium(0)-Catalyzed Cross-Coupling Reaction. <i>Journal of Organic Chemistry</i> , 1997, 62, 4912-4913.	3.2	88
6	A Convergent Synthesis of the Macrocyclic Core of Cytotrienins: Application of RCM for Macrocyclization. <i>Organic Letters</i> , 2004, 6, 525-528.	4.6	81
7	Total Synthesis of (+)-Mycotrienol and (+)-Mycotrienin I: Application of Asymmetric Crotylsilane Bond Constructions. <i>Journal of the American Chemical Society</i> , 1998, 120, 4123-4134.	13.7	75
8	Conjugate addition reactions of chiral (E)-crotylsilanes: application to an asymmetric [3 + 2] cyclopentane annulation. <i>Journal of Organic Chemistry</i> , 1993, 58, 2345-2348.	3.2	73
9	Reversal of Regioselection in the Sharpless Asymmetric Aminohydroxylation of Aryl Ester Substrates. <i>Organic Letters</i> , 1999, 1, 1949-1952.	4.6	72
10	Total Synthesis of Epothilone A. <i>Organic Letters</i> , 2000, 2, 2575-2578.	4.6	72
11	[4 + 2]-Annulations of Chiral Organosilanes: Application to the Total Synthesis of Leucascandrolide A. <i>Journal of Organic Chemistry</i> , 2007, 72, 2-24.	3.2	71
12	Total Synthesis of Reblastatin. <i>Journal of the American Chemical Society</i> , 2005, 127, 15026-15027.	13.7	70
13	Diastereofacial selectivity with optically active .alpha.-substituted .beta.-silyl-(E)-hexenoates. Enantioselective construction of homoallylic ethers via reaction with aryl acetals. <i>Journal of the American Chemical Society</i> , 1991, 113, 6594-6600.	13.7	66
14	Total Synthesis of (+)-Lactacystin. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1093-1095.	13.8	65
15	Total Synthesis of Rutamycin B and Oligomycin C. <i>Journal of Organic Chemistry</i> , 2001, 66, 2747-2756.	3.2	65
16	Total Synthesis of the Hsp90 Inhibitor Geldanamycin. <i>Organic Letters</i> , 2008, 10, 2477-2479.	4.6	64
17	Synthesis of a 35-Member Stereoisomer Library of Bistramide A: Evaluation of Effects on actin State, Cell Cycle and Tumor Cell Growth. <i>Journal of Organic Chemistry</i> , 2009, 74, 1897-1916.	3.2	62
18	Vinylogous Aldol Products from Chiral Crotylsilanes Obtained by Enantioselective Rh(II) and Cu(I) Carbenoid Si-H Insertion. <i>Organic Letters</i> , 2010, 12, 2112-2115.	4.6	62

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19	Synthesis of the C1-C11 Oxazole-Containing Side Chain of Leucascandrolide A. Application of a Sonogashira Cross-Coupling. <i>Journal of Organic Chemistry</i> , 2002, 67, 6812-6815.	3.2	61
20	Preparation and Use of Enantioenriched Allenylsilanes for the Stereoselective Synthesis of Homopropargylic Ethers. <i>Organic Letters</i> , 2007, 9, 2689-2692.	4.6	61
21	Palladium-Catalyzed Cross-Coupling of Terminal Alkynes with 4-Triflyloxazole: Studies toward the Construction of the C2-C31 Subunit of Phorbosazole A. <i>Organic Letters</i> , 2000, 2, 469-471.	4.6	60
22	Stereocontrolled Synthesis of Spirooxindoles through Lewis Acid-Promoted [5 + 2]-Annulation of Chiral Silyl Alcohols. <i>Organic Letters</i> , 2009, 11, 3366-3369.	4.6	60
23	Total Synthesis of (±)-Virginiamycin M ₂ : Application of Crotylsilanes Accessed by Enantioselective Rh(II) or Cu(I) Promoted Carbenoid Si-H Insertion. <i>Journal of Organic Chemistry</i> , 2011, 76, 9900-9918.	3.2	60
24	Total Synthesis of (±)-Kendomycin. <i>Organic Letters</i> , 2008, 10, 3813-3816.	4.6	56
25	Total Synthesis of Herbimycin A. <i>Organic Letters</i> , 2004, 6, 55-57.	4.6	54
26	Multicomponent Condensation Reactions via <i>ortho</i> -Quinone Methides. <i>Organic Letters</i> , 2017, 19, 1878-1881.	4.6	54
27	Studies Directed toward the Synthesis of Ulapualide A. Asymmetric Synthesis of the C8-C25 Tris-Oxazole Fragment. <i>Journal of Organic Chemistry</i> , 1996, 61, 6496-6497.	3.2	53
28	Chiral Crotylsilane-Based Approach to Benzoquinoid Ansamycins: Total Synthesis of (+)-Macbecin I. <i>Journal of the American Chemical Society</i> , 1998, 120, 4113-4122.	13.7	52
29	Regioselective Intramolecular Dipolar Cycloaddition of Azides and Unsymmetrical Alkynes. <i>Organic Letters</i> , 2010, 12, 336-339.	4.6	52
30	Preparation of Alkylidene Indane and Related Scaffolds and Their Further Elaboration to Novel Chemotypes. <i>Organic Letters</i> , 2007, 9, 5203-5206.	4.6	44
31	Mild Reductive Opening of Aryl Pyranosides Promoted by Scandium(III) Triflate. <i>Journal of the American Chemical Society</i> , 2007, 129, 38-39.	13.7	42
32	Synthesis of Enantioenriched Homopropargylic Sulfonamides by a Three Component Reaction of Aldehydes, Sulfonamides, and Chiral Allenylsilanes. <i>Organic Letters</i> , 2009, 11, 4362-4365.	4.6	42
33	Total Synthesis of (+)-Mycotrienol and (+)-Mycotrienin I. <i>Journal of Organic Chemistry</i> , 1997, 62, 8290-8291.	3.2	41
34	Diastereoselective additions of chiral (E)-crotylsilanes to in situ generated oxonium ions: a direct asymmetric synthesis of functionalized homoallylic ethers. <i>Journal of Organic Chemistry</i> , 1992, 57, 5790-5792.	3.2	39
35	Total Synthesis and Preliminary Antibacterial Evaluation of the RNA Polymerase Inhibitors (±)-Myxopyronin A and B. <i>Journal of Organic Chemistry</i> , 1998, 63, 2401-2406.	3.2	39
36	Total Synthesis of (+)-Macbecin I. <i>Journal of the American Chemical Society</i> , 1995, 117, 10587-10588.	13.7	38

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37	An Improved Synthesis of (4 <i>S</i> ,5 <i>S</i>)-2-Phenyl-4-(methoxycarbonyl)-5- isopropylloxazoline from (S)-Phenylglycinol. <i>Journal of Organic Chemistry</i> , 1998, 63, 2382-2384.	3.2	38
38	Enantioselective Multicomponent Condensation Reactions of Phenols, Aldehydes, and Boronates Catalyzed by Chiral Biphenols. <i>Organic Letters</i> , 2015, 17, 5812-5815.	4.6	38
39	Total Synthesis of (±)-Virginiamycin. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6165-6168.	13.8	37
40	Stereocontrolled [4+2]-Annulation Accessing Dihydropyrans: Synthesis of the C1a-C10 Fragment of Kendomycin. <i>Organic Letters</i> , 2005, 7, 1529-1532.	4.6	35
41	Stereoselective C-Glycosidations with Achiral and Enantioenriched Allenylsilanes. <i>Organic Letters</i> , 2010, 12, 4624-4627.	4.6	31
42	Studies Directed toward the Synthesis of Ulapualide A. Asymmetric Synthesis of the C26-C42 Fragment. <i>Journal of Organic Chemistry</i> , 1996, 61, 6494-6495.	3.2	30
43	Annulations of Enantioenriched Allenylsilanes with in Situ Generated Iminium Ions: Stereoselective Synthesis of Diverse Heterocycles. <i>Organic Letters</i> , 2009, 11, 473-476.	4.6	30
44	Sequential Transformations to Access Polycyclic Chemotypes: Asymmetric Crotylation and Metal Carbenoid Reactions. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5938-5942.	13.8	29
45	Design and synthesis of ansamycin antibiotics. <i>Comptes Rendus Chimie</i> , 2008, 11, 1483-1522.	0.5	28
46	Total Synthesis of (+)-Isatisine A: Application of a Silicon-Directed Mukaiyama-Type [3 + 2]-Annulation. <i>Journal of Organic Chemistry</i> , 2015, 80, 2959-2971.	3.2	28
47	Divergent Synthesis of Functionalized Carbocycles through Organosilane-Directed Asymmetric Alkyne-Alkene Reductive Coupling and Annulation Sequence. <i>Journal of the American Chemical Society</i> , 2012, 134, 18440-18446.	13.7	20
48	Diastereoselectivity in the borane methyl sulfide promoted hydroboration of .alpha.-alkoxy-.beta.,.gamma.-unsaturated esters. Documentation of an alkoxy-directed hydroboration reaction. <i>Journal of Organic Chemistry</i> , 1992, 57, 5288-5290.	3.2	19
49	Bifunctional Homoallylic Carbamates from Chiral Silane Additions to in Situ Generated N-Acyl Iminium Ions. <i>Organic Letters</i> , 2012, 14, 3624-3627.	4.6	18
50	Convergent Synthesis of Novel Muramyl Dipeptide Analogues: Inhibition of <i>Porphyromonas gingivalis</i> -Induced Pro-inflammatory Effects by High Doses of Muramyl Dipeptide. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 6878-6890.	6.4	18
51	Stereochemical and Skeletal Diversity Employing Pipecolate Ester Scaffolds. <i>Organic Letters</i> , 2007, 9, 1529-1532.	4.6	17
52	Kava-241 reduced periodontal destruction in a collagen antibody primed <i>Porphyromonas gingivalis</i> model of periodontitis. <i>Journal of Clinical Periodontology</i> , 2017, 44, 1123-1132.	4.9	16
53	Reduction of Articular and Systemic Inflammation by Kava-241 in a <i>Porphyromonas gingivalis</i> -Induced Arthritis Murine Model. <i>Infection and Immunity</i> , 2018, 86, .	2.2	16
54	[4 + 2]-Cycloaddition and 1,4-Addition of <i>ortho</i> -Quinone Methides by a Chiral Crotyl Silane. <i>Organic Letters</i> , 2019, 21, 32-35.	4.6	14

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55	Studies directed toward the synthesis of (+)-mycotrienin I. Asymmetric synthesis of the C9 β -N21 aromatic synthon. <i>Tetrahedron Letters</i> , 1995, 36, 1003-1006.	1.4	13
56	Enantioselective Synthesis of Linear Polypropionate Arrays Using Anthracene-Tagged Organosilanes. <i>Organic Letters</i> , 2005, 7, 4435-4438.	4.6	12
57	Discovery of Macrocyclic Inhibitors of Apurinic/Apyrimidinic Endonuclease 1. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 1971-1988.	6.4	12
58	Identification of a Kavain Analog with Efficient Anti-inflammatory Effects. <i>Scientific Reports</i> , 2019, 9, 12940.	3.3	9
59	Total Synthesis of Nuclear Factor of Activated T-Cells-68 (NFAT-68): Sequential Use of Chiral Allenylsilane and Titanium Alkoxide-Mediated Reductive Coupling Bond Construction. <i>Organic Letters</i> , 2016, 18, 4304-4307.	4.6	7
60	Kava analogues as agents for treatment of periodontal diseases: Synthesis and initial biological evaluation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2667-2669.	2.2	7
61	Synthesis of the C13 β -C29 fragment of leiodolide A: allylic asymmetric induction on the stereochemical course of iodolactonization. <i>Tetrahedron Letters</i> , 2015, 56, 6868-6871.	1.4	4
62	Titanium Alkoxide-Based Regioselective Alkyne β -Alkyne Reductive Coupling Mediated by In Situ Generated Arylamidate. <i>Journal of the American Chemical Society</i> , 2020, 142, 3729-3735.	13.7	2
63	Diastereodivergent Synthesis of Chiral Tetrahydropyrrolodiazepinediones via a One-Pot Intramolecular <i>aza</i> -Michael/Lactamization Sequence. <i>Journal of Organic Chemistry</i> , 2018, 83, 15449-15462.	3.2	1