

# David A Vosburg

## List of Publications by Year in descending order

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37  
papers

2,117  
citations

304743

22  
h-index

289244

40  
g-index

43  
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43  
docs citations

43  
times ranked

2307  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multicomponent Synthesis of Lidocaine at Room Temperature. <i>Journal of Chemical Education</i> , 2022, 99, 2399-2402.	2.3	7
2	Engaging Undergraduates in Sustainability Education and Research. <i>ACS Symposium Series</i> , 2020, , 63-73.	0.5	1
3	Anthraquinones: Versatile Organic Photocatalysts. <i>ChemCatChem</i> , 2020, 12, 3811-3827.	3.7	58
4	How Do I Design a Chemical Reaction To Do Useful Work? Reinvigorating General Chemistry by Connecting Chemistry and Society. <i>Journal of Chemical Education</i> , 2020, 97, 925-933.	2.3	9
5	Aqueous Dearomatization/Diels-Alder Cascade to a Grandifloracin Precursor. <i>Journal of Chemical Education</i> , 2019, 96, 998-1001.	2.3	5
6	Canvass: A Crowd-Sourced, Natural-Product Screening Library for Exploring Biological Space. <i>ACS Central Science</i> , 2018, 4, 1727-1741.	11.3	32
7	Divergent Diels-Alder Reactions in the Biosynthesis and Synthesis of Endiandric-Type Tetracycles: A Computational Study. <i>Journal of Organic Chemistry</i> , 2018, 83, 10941-10947.	3.2	6
8	Concise, diastereoconvergent synthesis of endiandric-type tetracycles by iterative cross coupling. <i>Tetrahedron</i> , 2016, 72, 3790-3794.	1.9	14
9	Self-Assembly, Guest Capture, and NMR Spectroscopy of a Metal-Organic Cage in Water. <i>Journal of Chemical Education</i> , 2016, 93, 368-371.	2.3	8
10	Radixinin from <i>Cochliobolus</i> sp. inhibits <i>Xylella fastidiosa</i> , the causal agent of Pierce's Disease of grapevine. <i>Phytochemistry</i> , 2015, 116, 130-137.	2.9	36
11	Cooperative Loading and Release Behavior of a Metal-Organic Receptor. <i>Journal of the American Chemical Society</i> , 2015, 137, 1770-1773.	13.7	41
12	Direct, Biomimetic Synthesis of (+)-Artemone via a Stereoselective, Organocatalytic Cyclization. <i>Synthesis</i> , 2015, 47, 2599-2602.	2.3	6
13	Click and Olefin Metathesis Chemistry in Water at Room Temperature Enabled by Biodegradable Micelles. <i>Journal of Chemical Education</i> , 2013, 90, 1514-1517.	2.3	27
14	Solvent-Free Synthesis and Fluorescence of a Thiol-Reactive Sensor for Undergraduate Organic Laboratories. <i>Journal of Chemical Education</i> , 2013, 90, 1685-1687.	2.3	14
15	Synthesis of cis- and trans-Davanoids: Artemone, Hydroxydavanone, Isodavanone, and Nordavanone. <i>Synthesis</i> , 2013, 45, 1541-1545.	2.3	10
16	Chemoselective Reactions of Citral: Green Syntheses of Natural Perfumes for the Undergraduate Organic Laboratory. <i>Journal of Chemical Education</i> , 2011, 88, 322-324.	2.3	17
17	Two-step, stereoselective synthesis of linalyl oxides by asymmetric allylic O-alkylation. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 2425-2428.	1.8	10
18	Green, Enzymatic Syntheses of Divanillin and Diapocynin for the Organic, Biochemistry, or Advanced General Chemistry Laboratory. <i>Journal of Chemical Education</i> , 2010, 87, 526-527.	2.3	47

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19	A Green, Enantioselective Synthesis of Warfarin for the Undergraduate Organic Laboratory. <i>Journal of Chemical Education</i> , 2010, 87, 194-195.	2.3	28
20	A Concise, Biomimetic Total Synthesis of (+)-Davanone. <i>Organic Letters</i> , 2009, 11, 2217-2218.	4.6	19
21	Dynamic thiolation of thioesterase structure of a non-ribosomal peptide synthetase. <i>Nature</i> , 2008, 454, 903-906.	27.8	151
22	Teaching Organic Synthesis: A Comparative Case Study Approach. <i>Journal of Chemical Education</i> , 2008, 85, 1519.	2.3	19
23	Characterization of the Aminocarboxycyclopropane-Forming Enzyme CmaC. <i>Biochemistry</i> , 2007, 46, 359-368.	2.5	45
24	Nature's Inventory of Halogenation Catalysts: Oxidative Strategies Predominate. <i>Chemical Reviews</i> , 2006, 106, 3364-3378.	47.7	487
25	Non-uniformly Sampled Double-TROSY hNcaNH Experiments for NMR Sequential Assignments of Large Proteins. <i>Journal of the American Chemical Society</i> , 2006, 128, 5757-5763.	13.7	63
26	Enzymatic Generation of the Antimetabolite $\beta$ , $\beta$ -Dichloroaminobutyrate by NRPS and Mononuclear Iron Halogenase Action in a Streptomyces. <i>Chemistry and Biology</i> , 2006, 13, 1183-1191.	6.0	81
27	Determination of all NOEs in $^1\text{H}$ - $^{13}\text{C}$ -Me-ILV-U $^2\text{H}$ - $^{15}\text{N}$ Proteins with Two Time-Shared Experiments. <i>Journal of Biomolecular NMR</i> , 2006, 34, 31-40.	2.8	36
28	Dichlorination and Bromination of a Threonyl-S-Carrier Protein by the Non-heme Fcl Halogenase SyrB2. <i>ChemBioChem</i> , 2006, 7, 748-752.	2.6	48
29	Cryptic chlorination by a non-haem iron enzyme during cyclopropyl amino acid biosynthesis. <i>Nature</i> , 2005, 436, 1191-1194.	27.8	303
30	An Enantioselective Synthesis of FR182877 Provides a Chemical Rationalization of Its Structure and Affords Multigram Quantities of Its Direct Precursor. <i>Journal of the American Chemical Society</i> , 2003, 125, 5393-5407.	13.7	141
31	Concise stereocontrolled routes to fumagillol, fumagillin, and TNP-470. <i>Chirality</i> , 2003, 15, 156-166.	2.6	25
32	A Synthesis of (+)-FR182877, Featuring Tandem Transannular Diels-Alder Reactions Inspired by a Postulated Biogenesis. <i>Journal of the American Chemical Society</i> , 2002, 124, 4552-4553.	13.7	108
33	Intramolecular Allenolate Acylations in Studies toward a Synthesis of FR182877. <i>Organic Letters</i> , 2001, 3, 4307-4310.	4.6	51
34	Intramolecular Hetero Diels-Alder Routes to $\beta$ -Carboline Alkaloids. <i>Tetrahedron</i> , 2000, 56, 5329-5335.	1.9	50
35	A Concise Synthesis of Fumagillol. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 971-974.	13.8	35
36	Postulated Biogenesis of WS9885B and Progress toward an Enantioselective Synthesis. <i>Organic Letters</i> , 1999, 1, 645-648.	4.6	48

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37	A concise route to isocanthin-6-one. Tetrahedron Letters, 1998, 39, 1111-1112.	1.4	21