

# Jonathan L Vennerstrom

## List of Publications by Year in descending order

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101  
papers

5,173  
citations

94269

37  
h-index

88477

70  
g-index

107  
all docs

107  
docs citations

107  
times ranked

4179  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of an antimalarial synthetic trioxolane drug development candidate. <i>Nature</i> , 2004, 430, 900-904.	13.7	584
2	Oxidative stress in malaria parasite-infected erythrocytes: host-parasite interactions. <i>International Journal for Parasitology</i> , 2004, 34, 163-189.	1.3	534
3	Synthetic ozonide drug candidate OZ439 offers new hope for a single-dose cure of uncomplicated malaria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4400-4405.	3.3	332
4	Synthetic peroxides as antimalarials. <i>Medicinal Research Reviews</i> , 2004, 24, 425-448.	5.0	255
5	In Vitro and In Vivo Activities of Synthetic Trioxolanes against Major Human Schistosome Species. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 1440-1445.	1.4	168
6	Dispiro-1,2,4,5-tetraoxanes: a new class of antimalarial peroxides. <i>Journal of Medicinal Chemistry</i> , 1992, 35, 3023-3027.	2.9	165
7	Spiro and Dispiro-1,2,4-trioxolanes as Antimalarial Peroxides: Charting a Workable Structure-Activity Relationship Using Simple Prototypes. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 4953-4961.	2.9	112
8	Dispiro-1,2,4-trioxane Analogues of a Prototype Dispiro-1,2,4-trioxolane: Mechanistic Comparators for Artemisinin in the Context of Reaction Pathways with Iron(II). <i>Journal of Organic Chemistry</i> , 2005, 70, 5103-5110.	1.7	107
9	Relationship between Antimalarial Activity and Heme Alkylation for Spiro- and Dispiro-1,2,4-Trioxolane Antimalarials. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 1291-1296.	1.4	104
10	The Structure-Activity Relationship of the Antimalarial Ozonide Arterolane (OZ277). <i>Journal of Medicinal Chemistry</i> , 2010, 53, 481-491.	2.9	99
11	First-in-man safety and pharmacokinetics of synthetic ozonide OZ439 demonstrates an improved exposure profile relative to other peroxide antimalarials. <i>British Journal of Clinical Pharmacology</i> , 2013, 75, 535-548.	1.1	98
12	Synthesis and Antimalarial Activity of 11 Dispiro-1,2,4,5-tetraoxane Analogues of WR 148999. 7,8,15,16-Tetraoxadispiro[5.2.5.2]hexadecanes Substituted at the 1 and 10 Positions with Unsaturated and Polar Functional Groups. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 1477-1480.	2.9	97
13	8-Aminoquinolines Active against Blood Stage <i>Plasmodium falciparum</i> In Vitro Inhibit Hematin Polymerization. <i>Antimicrobial Agents and Chemotherapy</i> , 1999, 43, 598-602.	1.4	85
14	Synthesis and Antimalarial Activity of Sixteen Dispiro-1,2,4,5-tetraoxanes: Alkyl-Substituted 7,8,15,16-Tetraoxadispiro[5.2.5.2]hexadecanes. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 2753-2758.	2.9	83
15	Clinically Available Medicines Demonstrating Anti-Toxoplasma Activity. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 7161-7169.	1.4	83
16	Comparative Antimalarial Activities and ADME Profiles of Ozonides (1,2,4-trioxolanes) OZ277, OZ439, and Their 1,2-Dioxolane, 1,2,4-Trioxane, and 1,2,4,5-Tetraoxane Isosteres. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 2547-2555.	2.9	81
17	Peroxide Bond-Dependent Antiplasmodial Specificity of Artemisinin and OZ277 (RBx11160). <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 2991-2993.	1.4	80
18	Synthesis of Tetrasubstituted Ozonides by the Griesbaum Cozonolysis Reaction: Diastereoselectivity and Functional Group Transformations by Post-Ozonolysis Reactions. <i>Journal of Organic Chemistry</i> , 2004, 69, 6470-6473.	1.7	77

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19	Anticancer Properties of Distinct Antimalarial Drug Classes. <i>PLoS ONE</i> , 2013, 8, e82962.	1.1	67
20	In Vivo Activity of Aryl Ozonides against <i>Schistosoma</i> Species. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 1090-1092.	1.4	64
21	Polyfluorinated Bis-styrylbenzene $\beta$ -Amyloid Plaque Binding Ligands. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 4986-4992.	2.9	63
22	Iron-mediated degradation kinetics of substituted dispiro-1,2,4-trioxolane antimalarials. <i>Journal of Pharmaceutical Sciences</i> , 2007, 96, 2945-2956.	1.6	63
23	Effect of functional group polarity on the antimalarial activity of spiro and dispiro-1,2,4-trioxolanes. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 6368-6382.	1.4	62
24	Methyl-Substituted Dispiro-1,2,4,5-tetraoxanes: Correlations of Structural Studies with Antimalarial Activity. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 1246-1249.	2.9	61
25	The synthetic peroxide OZ78 is effective against <i>Echinostoma caproni</i> and <i>Fasciola hepatica</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2006, 58, 1193-1197.	1.3	61
26	Probing the Antimalarial Mechanism of Artemisinin and OZ277 (Arterolane) with Nonperoxidic Isosteres and Nitroxyl Radicals. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 1042-1046.	1.4	59
27	Docking Studies on Isoform-Specific Inhibition of Phosphoinositide-3-Kinases. <i>Journal of Chemical Information and Modeling</i> , 2010, 50, 1887-1898.	2.5	59
28	Weak base dispiro-1,2,4-trioxolanes: Potent antimalarial ozonides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 1260-1265.	1.0	57
29	Antimalarial activity of N-alkyl amine, carboxamide, sulfonamide, and urea derivatives of a dispiro-1,2,4-trioxolane piperidine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 5542-5545.	1.0	55
30	Praziquantel analogs with activity against juvenile <i>Schistosoma mansoni</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 2481-2484.	1.0	55
31	Inhibition of Interleukin 2 Driven Proliferation of Mouse Ctl2 Cells, By Selected Carbamate and Organophosphate Insecticides and Congeners of Carbaryl. <i>Immunopharmacology and Immunotoxicology</i> , 1993, 15, 199-215.	1.1	54
32	Spiro- and Dispiro-1,2-dioxolanes: Contribution of Iron(II)-Mediated One-Electron vs Two-Electron Reduction to the Activity of Antimalarial Peroxides. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 5840-5847.	2.9	53
33	Bisquinolines. 2. Antimalarial N,N-Bis(7-chloroquinolin-4-yl)heteroalkanediamines. <i>Journal of Medicinal Chemistry</i> , 1998, 41, 4360-4364.	2.9	52
34	Structure-Activity Relationship of the Antimalarial Ozonide Artefenomel (OZ439). <i>Journal of Medicinal Chemistry</i> , 2017, 60, 2654-2668.	2.9	52
35	Dispiro-1,2,4,5-tetraoxanes via Ozonolysis of Cycloalkanone O-Methyl Oximes: A Comparison with the Peroxidation of Cycloalkanones in Acetonitrile-Sulfuric Acid Media. <i>Journal of Organic Chemistry</i> , 1998, 63, 8582-8585.	1.7	51
36	Activity of artemether and OZ78 against triclabendazole-resistant <i>Fasciola hepatica</i> . <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2007, 101, 1219-1222.	0.7	48

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37	Structure-Activity Relationship of an Ozonide Carboxylic Acid (OZ78) against <i>Fasciola hepatica</i> . <i>Journal of Medicinal Chemistry</i> , 2010, 53, 4223-4233.	2.9	39
38	Phenolic Bis-styrylbenzenes as $\beta$ -Amyloid Binding Ligands and Free Radical Scavengers. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 7992-7999.	2.9	37
39	One-Pot, Metal-Free Conversion of Anilines to Aryl Bromides and Iodides. <i>Organic Letters</i> , 2017, 19, 2518-2521.	2.4	37
40	Characterization of the two major CYP450 metabolites of ozonide (1,2,4-trioxolane) OZ277. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 1555-1558.	1.0	36
41	Amino ozonides exhibit in vitro activity against <i>Echinococcus multilocularis</i> metacestodes. <i>International Journal of Antimicrobial Agents</i> , 2014, 43, 40-46.	1.1	35
42	Review of Experimental Compounds Demonstrating Anti-Toxoplasma Activity. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 7017-7034.	1.4	34
43	Activity of OZ78 analogues against <i>Fasciola hepatica</i> and <i>Echinostoma caproni</i> . <i>Acta Tropica</i> , 2011, 118, 56-62.	0.9	30
44	The activity of dispiro peroxides against <i>Fasciola hepatica</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 5320-5323.	1.0	30
45	Amine peroxides as potential antimalarials. <i>Journal of Medicinal Chemistry</i> , 1989, 32, 64-67.	2.9	28
46	CLONORCHICIDAL PROPERTIES OF THE SYNTHETIC TRIOXOLANE OZ78. <i>Journal of Parasitology</i> , 2007, 93, 1208-1213.	0.3	28
47	Spiroadamantyl 1,2,4-trioxolane, 1,2,4-trioxane, and 1,2,4-trioxepane pairs: Relationship between peroxide bond iron(II) reactivity, heme alkylation efficiency, and antimalarial activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 4542-4545.	1.0	27
48	Activities of <i>N</i> , <i>N</i> - $\alpha$ -Diarylurea MMV665852 Analogs against <i>Schistosoma mansoni</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 1935-1941.	1.4	27
49	Monoclonal Antibodies That Recognize the Alkylation Signature of Antimalarial Ozonides OZ277 (Arterolane) and OZ439 (Artefenomel). <i>ACS Infectious Diseases</i> , 2016, 2, 54-61.	1.8	27
50	The structure and antimalarial activity of dispiro-1,2,4,5-tetraoxanes derived from (+)-dihydrocarvone. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 6359-6361.	1.0	26
51	Conformational Studies of Glucose Transporter 1 (GLUT1) as an Anticancer Drug Target. <i>Molecules</i> , 2019, 24, 2159.	1.7	25
52	Activity of antiandrogens against juvenile and adult <i>Schistosoma mansoni</i> in mice. <i>Journal of Antimicrobial Chemotherapy</i> , 2010, 65, 1991-1995.	1.3	24
53	Chemical Kinetics and Aqueous Degradation Pathways of a New Class of Synthetic Ozonide Antimalarials. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 737-747.	1.6	23
54	Stochastic Protein Alkylation by Antimalarial Peroxides. <i>ACS Infectious Diseases</i> , 2019, 5, 2067-2075.	1.8	23

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55	Peroxide Antimalarial Drugs Target Redox Homeostasis in <i>Plasmodium falciparum</i> Infected Red Blood Cells. <i>ACS Infectious Diseases</i> , 2022, 8, 210-226.	1.8	23
56	Differentiation between 1,2,4,5-tetraoxanes and 1,2,4,5,7,8-hexaoxonanes using <sup>1</sup> H and <sup>13</sup> C NMR analyses. <i>Journal of Heterocyclic Chemistry</i> , 2001, 38, 463-466.	1.4	22
57	Mechanisms of in situ activation for peroxidic antimalarials. <i>Redox Report</i> , 2003, 8, 284-288.	1.4	22
58	Stability of Peroxide Antimalarials in the Presence of Human Hemoglobin. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 3496-3500.	1.4	21
59	Revisiting the SAR of the Antischistosomal Aryl Hydantoin (Ro 13-3978). <i>Journal of Medicinal Chemistry</i> , 2016, 59, 10705-10718.	2.9	21
60	Efficacy, safety and pharmacokinetics of 1,2,4-trioxolane OZ78 against an experimental infection with <i>Fasciola hepatica</i> in sheep. <i>Veterinary Parasitology</i> , 2010, 173, 228-235.	0.7	19
61	Structure-Activity Relationship of Antischistosomal Ozonide Carboxylic Acids. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 3723-3736.	2.9	19
62	Aryl hydantoin Ro 13-3978, a broad-spectrum antischistosomal. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 1788-1797.	1.3	18
63	Comparative Antimalarial Activities of Six Pairs of 1,2,4,5-Tetraoxanes (Peroxide Dimers) and 1,2,4,5,7,8-Hexaoxonanes (Peroxide Trimers). <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 3033-3035.	1.4	17
64	Physicochemical Characterization of Creatine-N-Methylguanidinium Salts. <i>Journal of Dietary Supplements</i> , 2010, 7, 240-252.	1.4	17
65	Pharmacophore Refinement Guides the Design of Nanomolar-Range Botulinum Neurotoxin Serotype A Light Chain Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2010, 1, 301-305.	1.3	16
66	Ozonide Antimalarials Alkylate Heme in the Malaria Parasite <i>Plasmodium falciparum</i> . <i>ACS Infectious Diseases</i> , 2019, 5, 2076-2086.	1.8	16
67	Effect of ozonide OZ418 against <i>Schistosoma japonicum</i> harbored in mice. <i>Parasitology Research</i> , 2014, 113, 3259-3266.	0.6	15
68	Therapeutic efficacy of antimalarial drugs targeting DosRS signaling in <i>Mycobacterium abscessus</i> . <i>Science Translational Medicine</i> , 2022, 14, eabj3860.	5.8	15
69	A one-pot synthesis of unsymmetrical bis-styrylbenzenes. <i>Tetrahedron Letters</i> , 2009, 50, 6228-6230.	0.7	14
70	The comparative antimalarial properties of weak base and neutral synthetic ozonides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 563-566.	1.0	14
71	Progress in antischistosomal N,N'-diaryl urea SAR. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 244-248.	1.0	14
72	Peroxidic antimalarials. <i>Expert Opinion on Therapeutic Patents</i> , 2001, 11, 1753-1760.	2.4	13

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73	Comparative embryotoxicity of different antimalarial peroxides: In vitro study using the rat whole embryo culture model (WEC)†. <i>Reproductive Toxicology</i> , 2010, 30, 583-590.	1.3	12
74	Absolute Oral Bioavailability of Creatine Monohydrate in Rats: Debunking a Myth. <i>Pharmaceutics</i> , 2018, 10, 31.	2.0	12
75	Inhibition of Cytomegalovirus Replication with Extended-Half-Life Synthetic Ozonides. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	12
76	pH-Dependent Stability of Creatine Ethyl Ester: Relevance to Oral Absorption. <i>Journal of Dietary Supplements</i> , 2013, 10, 241-251.	1.4	11
77	Ligand-based design of GLUT inhibitors as potential antitumor agents. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115395.	1.4	9
78	Antischistosomal versus Antiandrogenic Properties of Aryl Hydantoin Ro 13-3978. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014, 90, 1156-1158.	0.6	8
79	Title is missing!. <i>Journal of Chemical Crystallography</i> , 2002, 32, 133-139.	0.5	6
80	Derivatives of a benzoquinone acyl hydrazone with activity against <i>Toxoplasma gondii</i> . <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2018, 8, 488-492.	1.4	6
81	Activity of diimidazoline amides against African trypanosomiasis. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 944-948.	1.0	5
82	Virtual screening and biological evaluation of PPAR $\beta$ antagonists as potential anti-prostate cancer agents. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 46, 116368.	1.4	5
83	Tetrasubstituted pyrazinones derived from the reaction of praziquantel with N-bromosuccinimide. <i>Tetrahedron Letters</i> , 2014, 55, 4463-4465.	0.7	4
84	Antiprotozoal Selectivity of Diimidazoline <i>N</i> -Phenylbenzamides. <i>ACS Infectious Diseases</i> , 2015, 1, 135-139.	1.8	4
85	Synthesis of 2-Azaadamantan-6-one: A Missing Isomer. <i>ACS Omega</i> , 2018, 3, 11362-11367.	1.6	4
86	SAR of a new antischistosomal urea carboxylic acid. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 3648-3651.	1.0	4
87	Tricyclic Imidazolidin-4-ones by Witkop Oxidation of Tetrahydro- $\beta$ -carboline. <i>Journal of Organic Chemistry</i> , 2020, 85, 2846-2853.	1.7	4
88	Formation of 2-Imino Benzo[ <i>e</i> ]-1,3-oxazin-4-ones from Reactions of Salicylic Acids and Anilines with HATU: Mechanistic and Synthetic Studies. <i>ACS Omega</i> , 2018, 3, 781-787.	1.6	3
89	Efficacy, metabolism and pharmacokinetics of Ro 15-5458, a forgotten schistosomicidal 9-acridanone hydrazone. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 2925-2932.	1.3	3
90	Cytochrome P450-Mediated Metabolism and CYP Inhibition for the Synthetic Peroxide Antimalarial OZ439. <i>ACS Infectious Diseases</i> , 2021, 7, 1885-1893.	1.8	3

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91	Antischistosomal tetrahydro- $\hat{1}^3$ -carboline sulfonamides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022, 59, 128546.	1.0	3
92	Targeted Amino Acid Substitution Overcomes Scale-Up Challenges with the Human C5a-Derived Decapeptide Immunostimulant EP67. <i>ACS Infectious Diseases</i> , 2020, 6, 1169-1181.	1.8	2
93	Diaryl Ureas as an Antiprotozoal Chemotype. <i>ACS Infectious Diseases</i> , 2021, 7, 1578-1583.	1.8	2
94	Synthesis and antimalarial activity of amide and ester conjugates of siderophores and ozonides. <i>BioMetals</i> , 2022, , 1.	1.8	2
95	Treatment of a chemoresistant neuroblastoma cell line with the antimalarial ozonide OZ513. <i>BMC Cancer</i> , 2016, 16, 867.	1.1	1
96	A new chemotype with promise against <i>Trypanosoma cruzi</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 126778.	1.0	1
97	Metabolic, Pharmacokinetic, and Activity Profile of the Liver Stage Antimalarial (RC-12). <i>ACS Omega</i> , 2022, 7, 12401-12411.	1.6	1
98	Synthetic Peroxides as Antimalarials. <i>ChemInform</i> , 2004, 35, no.	0.1	0
99	Oral Bioavailability of Creatine Supplements. , 2013, , 395-403.		0
100	Oral Bioavailability of Creatine Supplements. , 2019, , 595-604.		0
101	In Vitro Selection Implicates ROP1 as a Resistance Gene for an Experimental Therapeutic Benzoquinone Acyl Hydrazone in <i>Toxoplasma gondii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	1.4	0