

Yuxiang Dong

List of Publications by Year in descending order

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58
papers

3,094
citations

218677

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155660

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59
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59
docs citations

59
times ranked

2233
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of an antimalarial synthetic trioxolane drug development candidate. <i>Nature</i> , 2004, 430, 900-904.	27.8	584
2	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.	7.1	332
3	Synthetic peroxides as antimalarials. <i>Medicinal Research Reviews</i> , 2004, 24, 425-448.	10.5	255
4	In Vitro and In Vivo Activities of Synthetic Trioxolanes against Major Human Schistosome Species. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 1440-1445.	3.2	168
5	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.	6.4	112
6	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.	3.2	107
7	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.	3.2	104
8	The Structure-Activity Relationship of the Antimalarial Ozonide Arterolane (OZ277). <i>Journal of Medicinal Chemistry</i> , 2010, 53, 481-491.	6.4	99
9	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.	6.4	97
10	Peroxide Bond-Dependent Antiplasmodial Specificity of Artemisinin and OZ277 (RBx11160). <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 2991-2993.	3.2	80
11	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.	3.2	77
12	In Vivo Activity of Aryl Ozonides against Schistosoma Species. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 1090-1092.	3.2	64
13	Iron-mediated degradation kinetics of substituted dispiro-1,2,4-trioxolane antimalarials. <i>Journal of Pharmaceutical Sciences</i> , 2007, 96, 2945-2956.	3.3	63
14	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.	3.0	62
15	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.	3.2	59
16	Synthesis and Antimalarial Activity of 1,2,4,5-Tetraoxanes. <i>Mini-Reviews in Medicinal Chemistry</i> , 2002, 2, 113-123.	2.4	56
17	Praziquantel analogs with activity against juvenile Schistosoma mansoni. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 2481-2484.	2.2	55
18	Structure-Activity Relationship of the Antimalarial Ozonide Artefenomel (OZ439). <i>Journal of Medicinal Chemistry</i> , 2017, 60, 2654-2668.	6.4	52

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19	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.	3.2	51
20	Structure-Activity Relationship of an Ozonide Carboxylic Acid (OZ78) against <i>Fasciola hepatica</i> . <i>Journal of Medicinal Chemistry</i> , 2010, 53, 4223-4233.	6.4	39
21	One-Pot, Metal-Free Conversion of Anilines to Aryl Bromides and Iodides. <i>Organic Letters</i> , 2017, 19, 2518-2521.	4.6	37
22	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.	2.2	36
23	Amino ozonides exhibit in vitro activity against <i>Echinococcus multilocularis</i> metacestodes. <i>International Journal of Antimicrobial Agents</i> , 2014, 43, 40-46.	2.5	35
24	Design of Hedgehog pathway inhibitors for cancer treatment. <i>Medicinal Research Reviews</i> , 2019, 39, 1137-1204.	10.5	33
25	Design, Synthesis and Biological Evaluation of novel Hedgehog Inhibitors for treating Pancreatic Cancer. <i>Scientific Reports</i> , 2017, 7, 1665.	3.3	31
26	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.	2.2	27
27	Monoclonal Antibodies That Recognize the Alkylation Signature of Antimalarial Ozonides OZ277 (Arterolane) and OZ439 (Artefenomel). <i>ACS Infectious Diseases</i> , 2016, 2, 54-61.	3.8	27
28	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.	2.2	26
29	Chemical Kinetics and Aqueous Degradation Pathways of a New Class of Synthetic Ozonide Antimalarials. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 737-747.	3.3	23
30	Stochastic Protein Alkylation by Antimalarial Peroxides. <i>ACS Infectious Diseases</i> , 2019, 5, 2067-2075.	3.8	23
31	Peroxide Antimalarial Drugs Target Redox Homeostasis in <i>Plasmodium falciparum</i> Infected Red Blood Cells. <i>ACS Infectious Diseases</i> , 2022, 8, 210-226.	3.8	23
32	Differentiation between 1,2,4,5-tetraoxanes and 1,2,4,5,7,8-hexaoxonanes using ¹ H and ¹³ C NMR analyses. <i>Journal of Heterocyclic Chemistry</i> , 2001, 38, 463-466.	2.6	22
33	Mechanisms of in situ activation for peroxidic antimalarials. <i>Redox Report</i> , 2003, 8, 284-288.	4.5	22
34	Revisiting the SAR of the Antischistosomal Aryl Hydantoin (Ro 13-3978). <i>Journal of Medicinal Chemistry</i> , 2016, 59, 10705-10718.	6.4	21
35	Structure-Activity Relationship of Antischistosomal Ozonide Carboxylic Acids. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 3723-3736.	6.4	19
36	Aryl hydantoin Ro 13-3978, a broad-spectrum antischistosomal. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 1788-1797.	3.0	18

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37	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.	3.2	17
38	The use of micelles to deliver potential hedgehog pathway inhibitor for the treatment of liver fibrosis. <i>Theranostics</i> , 2019, 9, 7537-7555.	10.0	17
39	Effect of ozonide OZ418 against <i>Schistosoma japonicum</i> harbored in mice. <i>Parasitology Research</i> , 2014, 113, 3259-3266.	1.6	15
40	Progress in antischistosomal N,N- ϵ^2 -diaryl urea SAR. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 244-248.	2.2	14
41	Polymeric nanomedicine for overcoming resistance mechanisms in hedgehog and Myc-amplified medulloblastoma. <i>Biomaterials</i> , 2021, 278, 121138.	11.4	14
42	Small molecule mimics of DFTamP1, a database designed anti-Staphylococcal peptide. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 864-869.	3.0	12
43	Polymeric Micellar Delivery of Novel Microtubule Destabilizer and Hedgehog Signaling Inhibitor for Treating Chemoresistant Prostate Cancer. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 370, 864-875.	2.5	10
44	Antischistosomal versus Antiandrogenic Properties of Aryl Hydantoin Ro 13-3978. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014, 90, 1156-1158.	1.4	8
45	Synthesis and Characterization of a Novel Mycophenolic Acid-Quinic Acid Conjugate Serving as Immunosuppressant with Decreased Toxicity. <i>Molecular Pharmaceutics</i> , 2015, 12, 4445-4453.	4.6	7
46	Activity of diimidazole amides against African trypanosomiasis. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 944-948.	2.2	5
47	Tetrasubstituted pyrazinones derived from the reaction of praziquantel with N-bromosuccinimide. <i>Tetrahedron Letters</i> , 2014, 55, 4463-4465.	1.4	4
48	Antiprotozoal Selectivity of Diimidazole N-Phenylbenzamides. <i>ACS Infectious Diseases</i> , 2015, 1, 135-139.	3.8	4
49	Synthesis of 2-Azaadamantan-6-one: A Missing Isomer. <i>ACS Omega</i> , 2018, 3, 11362-11367.	3.5	4
50	SAR of a new antischistosomal urea carboxylic acid. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 3648-3651.	2.2	4
51	Tricyclic Imidazolidin-4-ones by Witkop Oxidation of Tetrahydro- β^2 -carbolines. <i>Journal of Organic Chemistry</i> , 2020, 85, 2846-2853.	3.2	4
52	Formation of 2-Imino Benzo[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.	3.5	3
53	Efficacy, metabolism and pharmacokinetics of Ro 15-5458, a forgotten schistosomicidal 9-acridanone hydrazone. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 2925-2932.	3.0	3
54	Cytochrome P450-Mediated Metabolism and CYP Inhibition for the Synthetic Peroxide Antimalarial OZ439. <i>ACS Infectious Diseases</i> , 2021, 7, 1885-1893.	3.8	3

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55	Antischistosomal tetrahydro- $\hat{1}^3$ -carboline sulfonamides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022, 59, 128546.	2.2	3
56	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.	3.8	2
57	Treatment of a chemoresistant neuroblastoma cell line with the antimalarial ozonide OZ513. <i>BMC Cancer</i> , 2016, 16, 867.	2.6	1
58	Metabolic, Pharmacokinetic, and Activity Profile of the Liver Stage Antimalarial (RC-12). <i>ACS Omega</i> , 2022, 7, 12401-12411.	3.5	1