Yuxiang Dong

List of Publications by Year
in descending order

58 papers	3,094 citations	218677 26 h-index	155660 55 g-index
59 all docs	59 docs citations	59 times ranked	2233 citing authors

#	Article	IF	Citations
1	Peroxide Antimalarial Drugs Target Redox Homeostasis in Plasmodium falciparum Infected Red Blood Cells. ACS Infectious Diseases, 2022, 8, 210-226.	3.8	23
2	Antischistosomal tetrahydro-Î³-carboline sulfonamides. Bioorganic and Medicinal Chemistry Letters, 2022, 59, 128546.	2.2	3
3	Metabolic, Pharmacokinetic, and Activity Profile of the Liver Stage Antimalarial (RC-12). ACS Omega, 2022, 7, 12401-12411.	3.5	1
4	Cytochrome P450-Mediated Metabolism and CYP Inhibition for the Synthetic Peroxide Antimalarial OZ439. ACS Infectious Diseases, 2021, 7, 1885-1893.	3.8	3
5	Polymeric nanomedicine for overcoming resistance mechanisms in hedgehog and Myc-amplified medulloblastoma. Biomaterials, 2021, 278, 121138.	11.4	14
6	Tricyclic Imidazolidin-4-ones by Witkop Oxidation of Tetrahydro-Î²-carbolines. Journal of Organic Chemistry, 2020, 85, 2846-2853.	3.2	4
7	Targeted Amino Acid Substitution Overcomes Scale-Up Challenges with the Human C5a-Derived Decapeptide Immunostimulant EP67. ACS Infectious Diseases, 2020, 6, 1169-1181.	3.8	2
8	Structureâ€“Activity Relationship of Antischistosomal Ozonide Carboxylic Acids. Journal of Medicinal Chemistry, 2020, 63, 3723-3736.	6.4	19
9	Efficacy, metabolism and pharmacokinetics of Ro 15-5458, a forgotten schistosomicidal 9-acridanone hydrazone. Journal of Antimicrobial Chemotherapy, 2020, 75, 2925-2932.	3.0	3
10	Stochastic Protein Alkylation by Antimalarial Peroxides. ACS Infectious Diseases, 2019, 5, 2067-2075.	3.8	23
11	The use of micelles to deliver potential hedgehog pathway inhibitor for the treatment of liver fibrosis. Theranostics, 2019, 9, 7537-7555.	10.0	17
12	Polymeric Micellar Delivery of Novel Microtubule Destabilizer and Hedgehog Signaling Inhibitor for Treating Chemoresistant Prostate Cancer. Journal of Pharmacology and Experimental Therapeutics, 2019, 370, 864-875.	2.5	10
13	Design of Hedgehog pathway inhibitors for cancer treatment. Medicinal Research Reviews, 2019, 39, 1137-1204.	10.5	33
14	Formation of 2-Imino Benzo[e]-1,3-oxazin-4-ones from Reactions of Salicylic Acids and Anilines with HATU: Mechanistic and Synthetic Studies. ACS Omega, 2018, 3, 781-787.	3.5	3
15	Progress in antischistosomal N,Nâ€²-diaryl urea SAR. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 244-248.	2.2	14
16	Synthesis of 2-Azaadamantan-6-one: A Missing Isomer. ACS Omega, 2018, 3, 11362-11367.	3.5	4
17	SAR of a new antischistosomal urea carboxylic acid. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 3648-3651.	2.2	4
18	One-Pot, Metal-Free Conversion of Anilines to Aryl Bromides and Iodides. Organic Letters, 2017, 19, 2518-2521.	4.6	37

#	Article	IF	Citations
19	Design, Synthesis and Biological Evaluation of novel Hedgehog Inhibitors for treating Pancreatic Cancer. Scientific Reports, 2017, 7, 1665.	3.3	31
20	Small molecule mimics of DFTamP1, a database designed anti-Staphylococcal peptide. Bioorganic and Medicinal Chemistry, 2017, 25, 864-869.	3.0	12
21	Structureâ€“Activity Relationship of the Antimalarial Ozonide Artefenomel (OZ439). Journal of Medicinal Chemistry, 2017, 60, 2654-2668.	6.4	52
22	Revisiting the SAR of the Antischistosomal Aryl Hydantoin (Ro 13-3978). Journal of Medicinal Chemistry, 2016, 59, 10705-10718.	6.4	21
23	Treatment of a chemoresistant neuroblastoma cell line with the antimalarial ozonide OZ513. BMC Cancer, 2016, 16, 867.	2.6	1
24	Monoclonal Antibodies That Recognize the Alkylation Signature of Antimalarial Ozonides OZ277 (Arterolane) and OZ439 (Artefenomel). ACS Infectious Diseases, 2016, 2, 54-61.	3.8	27
25	Synthesis and Characterization of a Novel Mycophenolic Acidâ€“Quinic Acid Conjugate Serving as Immunosuppressant with Decreased Toxicity. Molecular Pharmaceutics, 2015, 12, 4445-4453.	4.6	7
26	Antiprotozoal Selectivity of Diimidazoline N-Phenylbenzamides. ACS Infectious Diseases, 2015, 1, 135-139.	3.8	4
27	Aryl hydantoin Ro 13-3978, a broad-spectrum antischistosomal. Journal of Antimicrobial Chemotherapy, 2015, 70, 1788-1797.	3.0	18
28	Antischistosomal versus Antiandrogenic Properties of Aryl Hydantoin Ro 13-3978. American Journal of Tropical Medicine and Hygiene, 2014, 90, 1156-1158.	1.4	8
29	Amino ozonides exhibit in vitro activity against Echinococcus multilocularis metacestodes. International Journal of Antimicrobial Agents, 2014, 43, 40-46.	2.5	35
30	Tetrasubstituted pyrazinones derived from the reaction of praziquantel with N-bromosuccinimide. Tetrahedron Letters, 2014, 55, 4463-4465.	1.4	4
31	Effect of ozonide OZ418 against Schistosoma japonicum harbored in mice. Parasitology Research, 2014, 113, 3259-3266.	1.6	15
32	Activity of diimidazoline amides against African trypanosomiasis. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 944-948.	2.2	5
33	In VivoActivity of Aryl Ozonides against Schistosoma Species. Antimicrobial Agents and Chemotherapy, 2012, 56, 1090-1092.	3.2	64
34	Synthetic ozonide drug candidate OZ439 offers new hope for a single-dose cure of uncomplicated malaria. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4400-4405.	7.1	332
35	Praziquantel analogs with activity against juvenile Schistosoma mansoni. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 2481-2484.	2.2	55
36	The structure and antimalarial activity of dispiro-1,2,4,5-tetraoxanes derived from (+)-dihydrocarvone. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 6359-6361.	2.2	26

#	Article	IF	Citations
37	Probing the Antimalarial Mechanism of Artemisinin and OZ277 (Arterolane) with Nonperoxidic Isosteres and Nitroxyl Radicals. Antimicrobial Agents and Chemotherapy, 2010, 54, 1042-1046.	3.2	59
38	Structureâ^'Activity Relationship of an Ozonide Carboxylic Acid (OZ78) againstFasciola hepatica. Journal of Medicinal Chemistry, 2010, 53, 4223-4233.	6.4	39
39	The Structureâ^'Activity Relationship of the Antimalarial Ozonide Arterolane (OZ277). Journal of Medicinal Chemistry, 2010, 53, 481-491.	6.4	99
40	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. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 4542-4545.	2.2	27
41	Characterization of the two major CYP450 metabolites of ozonide (1,2,4-trioxolane) OZ277. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 1555-1558.	2.2	36
42	Relationship between Antimalarial Activity and Heme Alkylation for Spiro- and Dispiro-1,2,4-Trioxolane Antimalarials. Antimicrobial Agents and Chemotherapy, 2008, 52, 1291-1296.	3.2	104
43	Peroxide Bond-Dependent Antiplasmodial Specificity of Artemisinin and OZ277 (RBx11160). Antimicrobial Agents and Chemotherapy, 2007, 51, 2991-2993.	3.2	80
44	In Vitro and In Vivo Activities of Synthetic Trioxolanes against Major Human Schistosome Species. Antimicrobial Agents and Chemotherapy, 2007, 51, 1440-1445.	3.2	168
45	Comparative Antimalarial Activities of Six Pairs of 1,2,4,5-Tetraoxanes (Peroxide Dimers) and 1,2,4,5,7,8-Hexaoxonanes (Peroxide Trimers). Antimicrobial Agents and Chemotherapy, 2007, 51, 3033-3035.	3.2	17
46	Ironâ€mediated degradation kinetics of substituted dispiroâ€1,2,4â€trioxolane antimalarials. Journal of Pharmaceutical Sciences, 2007, 96, 2945-2956.	3.3	63
47	Effect of functional group polarity on the antimalarial activity of spiro and dispiro-1,2,4-trioxolanes. Bioorganic and Medicinal Chemistry, 2006, 14, 6368-6382.	3.0	62
48	Chemical Kinetics and Aqueous Degradation Pathways of a New Class of Synthetic Ozonide Antimalarials. Journal of Pharmaceutical Sciences, 2006, 95, 737-747.	3.3	23
49	Spiro and Dispiro-1,2,4-trioxolanes as Antimalarial Peroxides:Â Charting a Workable Structureâ^'Activity Relationship Using Simple Prototypes. Journal of Medicinal Chemistry, 2005, 48, 4953-4961.	6.4	112
50	Dispiro-1,2,4-trioxane Analogues of a Prototype Dispiro-1,2,4-trioxolane:Â Mechanistic Comparators for Artemisinin in the Context of Reaction Pathways with Iron(II). Journal of Organic Chemistry, 2005, 70, 5103-5110.	3.2	107
51	Identification of an antimalarial synthetic trioxolane drug development candidate. Nature, 2004, 430, 900-904.	27.8	584
52	Synthetic peroxides as antimalarials. Medicinal Research Reviews, 2004, 24, 425-448.	10.5	255
53	Synthesis of Tetrasubstituted Ozonides by the Griesbaum Coozonolysis Reaction:Â Diastereoselectivity and Functional Group Transformations by Post-Ozonolysis Reactions. Journal of Organic Chemistry, 2004, 69, 6470-6473.	3.2	77
54	Mechanisms ofin situactivation for peroxidic antimalarials. Redox Report, 2003, 8, 284-288.	4.5	22

#	Article	IF	Citations
55	Synthesis and Antimalarial Activity of 1,2,4,5-Tetraoxanes. Mini-Reviews in Medicinal Chemistry, 2002, 2, 113-123.	2.4	56
56	Differentiation between 1,2,4,5â€tetraoxanes and 1,2,4,5,7,8â€hexaoxonanes using ¹H and ¹³C NMR analyses. Journal of Heterocyclic Chemistry, 2001, 38, 463-466.	2.6	22
57	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. Journal of Medicinal Chemistry, 1999, 42, 1477-1480.	6.4	97
58	Dispiro-1,2,4,5-tetraoxanes via Ozonolysis of CycloalkanoneO-Methyl Oximes:Â A Comparison with the Peroxidation of Cycloalkanones in Acetonitrileâ"Sulfuric Acid Media. Journal of Organic Chemistry, 1998, 63, 8582-8585.	3.2	51