

# Mitchell A Avery

## List of Publications by Year in descending order

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36  
papers

1,279  
citations

430874

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41  
docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Selective Inhibition of Plasmodium falciparum ATPase 6 by Artemisinins and Identification of New Classes of Inhibitors after Expression in Yeast. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, , e0207921.	3.2	2
2	Structure-Activity Relationships of the Antimalarial Agent Artemisinin 10. Synthesis and Antimalarial Activity of Enantiomers of rac-5 <sup>Î²</sup> -Hydroxy-d-Secoartemisinin and Analogs: Implications Regarding the Mechanism of Action. <i>Molecules</i> , 2021, 26, 4163.	3.8	6
3	Identification of a new small molecule chemotype of Melanin Concentrating Hormone Receptor-1 antagonists using pharmacophore-based virtual screening. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 126741.	2.2	3
4	A pharmacokinetic comparison of homodimer ARB-92 and heterodimer ARB-89: novel, potent antimalarial candidates derived from 7 <sup>Î²</sup> -hydroxyartemisinin. <i>Journal of Pharmaceutical Investigation</i> , 2018, 48, 585-593.	5.3	6
5	Click chemistry decoration of amino sterols as promising strategy to developed new leishmanicidal drugs. <i>Steroids</i> , 2014, 79, 28-36.	1.8	32
6	Synthesis, biological evaluation, hydration site thermodynamics, and chemical reactivity analysis of Î±-keto substituted peptidomimetics for the inhibition of Plasmodium falciparum. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 1274-1279.	2.2	16
7	Design, synthesis and biological evaluation of novel benzothiazole and triazole analogs as falcipain inhibitors. <i>MedChemComm</i> , 2011, 2, 1201.	3.4	23
8	Synthesis and biological evaluation of a novel anti-malarial lead. <i>Medicinal Chemistry Research</i> , 2011, 20, 401-407.	2.4	3
9	Design, synthesis, and docking studies of novel telmisartan-glitazone hybrid analogs for the treatment of metabolic syndrome. <i>Medicinal Chemistry Research</i> , 2009, 18, 589-610.	2.4	9
10	Design, synthesis, and docking studies of telmisartan analogs for the treatment of metabolic syndrome. <i>Medicinal Chemistry Research</i> , 2009, 18, 611-628.	2.4	11
11	LC Determination of a Novel Synthetic Thiazolidinedione (BP-1107) in Rat Plasma and Its Application to a Pharmacokinetic Study. <i>Chromatographia</i> , 2008, 68, 551-555.	1.3	1
12	A Simple Synthesis of 4-Substituted 2-(3-Hydroxy-2-oxo-1-phenethylpropylcarbamoyl) pyrrolidine-1-carboxylic Acid Benzyl Esters as Novel Cysteine Protease Inhibitors. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2008, 63, 210-216.	0.7	3
13	Convenient Synthesis and Evaluation of Biological Activity of Benzyl (2S)-2-[(R)-1-hydroxy-2-oxo-(1-phenethyl)prop-3-ylcarbamoyl]- 4-oxopiperidine- (or) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 262 <i>Naturforschung - Section B Journal of Chemical Sciences</i> . 2008. 63. 1300-1304.	0.7	3
14	Synthesis of New Î²-Lactam Analogs and Evaluation of Their Histone Deacetylase (HDAC) Activity. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2007, 62, 1459-1464.	0.7	12
15	Recent Developments in the Syntheses of the Epothilones and Related Analogues. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 4071-4084.	2.4	38
16	Terpenes from <i>Eunicea Laciniata</i> and <i>Plexaurella Nutans</i> . <i>Journal of Chemical Research</i> , 2006, 2006, 165-167.	1.3	8
17	Design, Synthesis and Evaluation of Trisubstituted Thiazoles Targeting Plasmodium Falciparum Cysteine Proteases. <i>Medicinal Chemistry Research</i> , 2005, 14, 74-105.	2.4	19
18	Solid-Supported Parallel Synthesis of Hydroxybenzylamine Libraries Possessing Antileishmial Activity. <i>Medicinal Chemistry Research</i> , 2005, 14, 332-346.	2.4	1

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19	Biocatalysis of the Antimalarial Artemisinin by <i>Mucor ramannianus</i> . <i>Strains. Pharmaceutical Biology</i> , 2005, 43, 579-582.	2.9	22
20	Structural Characterization of Vivapain-2 and Vivapain-3, Cysteine Proteases from <i>Plasmodium vivax</i> : Comparative Protein Modeling and Docking Studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2004, 21, 781-790.	3.5	6
21	Design and Synthesis of Heterocyclic Hydroxamic Acid Derivatives as Inhibitors of <i>Helicobacter pylori</i> Urease. <i>Synthetic Communications</i> , 2003, 33, 1977-1995.	2.1	29
22	Structure-Activity Relationships of the Antimalarial Agent Artemisinin. 8. Design, Synthesis, and CoMFA Studies toward the Development of Artemisinin-Based Drugs against Leishmaniasis and Malaria. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 4244-4258.	6.4	97
23	Structure-Activity Relationships of the Antimalarial Agent Artemisinin. 6. The Development of Predictive In Vitro Potency Models Using CoMFA and QSAR Methodologies. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 292-303.	6.4	78
24	Structure-Activity Relationships of the Antimalarial Agent Artemisinin. 7. Direct Modification of (+)-Artemisinin and In Vivo Antimalarial Screening of New, Potential Preclinical Antimalarial Candidates. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 4321-4335.	6.4	75
25	Biotransformation of 10-deoxyartemisinin to its 7 <sup>β</sup> -hydroxy derivative by <i>Mucor ramannianus</i> . <i>Biotechnology Letters</i> , 2002, 24, 937-941.	2.2	24
26	Comparison of 3D quantitative structure-activity relationship methods: analysis of the in vitro antimalarial activity of 154 artemisinin analogues by hypothetical active-site lattice and comparative molecular field analysis. <i>Journal of Computer-Aided Molecular Design</i> , 1998, 12, 165-181.	2.9	30
27	Conjugate Addition of a Cyano-Gilman Cuprate to an Acrylic Acid: Homologation of Artemisinic Acid and Subsequent Conversion to 16-Butylartemisinin. <i>Synthetic Communications</i> , 1998, 28, 1555-1562.	2.1	11
28	Structure-Activity Relationships of the Antimalarial Agent Artemisinin. 4. Effect of Substitution at C-3. <i>Journal of Medicinal Chemistry</i> , 1996, 39, 2900-2906.	6.4	62
29	Structure-Activity Relationships of the Antimalarial Agent Artemisinin. 5. Analogs of 10-Deoxyartemisinin Substituted at C-3 and C-9. <i>Journal of Medicinal Chemistry</i> , 1996, 39, 4149-4155.	6.4	78
30	Structure-Activity Relationships of the Antimalarial Agent Artemisinin. 3. Total Synthesis of (+)-13-Carbaartemisinin and Related Tetra- and Tricyclic Structures. <i>Journal of Medicinal Chemistry</i> , 1996, 39, 1885-1897.	6.4	77
31	Deuterated antimalarials: Synthesis of trideutero-artemisinin, dihydroartemisinin, and arteether. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1996, 38, 249-254.	1.0	12
32	Radiolabeled antimalarials: Synthesis of 14C-artemisinin. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1996, 38, 263-267.	1.0	12
33	Structure-Activity Relationships of the Antimalarial Agent Artemisinin. 2. Effect of Heteroatom Substitution at O-11: Synthesis and Bioassay of N-Alkyl-11-aza-9-desmethylartemisinins. <i>Journal of Medicinal Chemistry</i> , 1995, 38, 5038-5044.	6.4	59
34	Synthesis, conformational analysis, and antimalarial activity of tricyclic analogs of artemisinin. <i>Tetrahedron</i> , 1994, 50, 957-972.	1.9	58
35	Structure-activity relationships of the antimalarial agent artemisinin. 1. Synthesis and comparative molecular field analysis of C-9 analogs of artemisinin and 10-deoxyartemisinin. <i>Journal of Medicinal Chemistry</i> , 1993, 36, 4264-4275.	6.4	97
36	Stereoselective total synthesis of (+)-artemisinin, the antimalarial constituent of <i>Artemisia annua</i> L. <i>Journal of the American Chemical Society</i> , 1992, 114, 974-979.	13.7	246