Elisabeth Davioud-Charvet

List of Publications by Year
in descending order

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94	3,721	145106	156644
papers	citations	33 h-index	58 g-index

108	108	108	4503
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficient Multigram-Scale Synthesis of 7-Substituted 3-Methyltetral-1-ones and 6-Fluoromenadione. Organic Process Research and Development, 2022, 26, 1152-1164.	1.3	2
2	A role for the succinate dehydrogenase in the mode of action of the redox-active antimalarial drug, plasmodione. Free Radical Biology and Medicine, 2021, 162, 533-541.	1.3	5
3	A Class of Valuable (Pro-)Activity-Based Protein Profiling Probes: Application to the Redox-Active Antiplasmodial Agent, Plasmodione. Jacs Au, 2021, 1, 669-689.	3.6	4
4	Plasmodium falciparum Ferredoxin-NADP⁺ Reductase-Catalyzed Redox Cycling of Plasmodione Generates Both Predicted Key Drug Metabolites: Implication for Antimalarial Drug Development. ACS Infectious Diseases, 2021, 7, 1996-2012.	1.8	5
5	Magnesium Complexes of Ladanein: A Beneficial Strategy for Stabilizing Polyphenolic Antivirals. European Journal of Inorganic Chemistry, 2021, 2021, 2764-2772.	1.0	1
6	Direct Câ^'H Radical Alkylation of 1,4â€Quinones. European Journal of Organic Chemistry, 2021, 2021, 3622-3633.	1.2	8
7	Bioinspired Photoredox Benzylation of Quinones. Journal of Organic Chemistry, 2021, 86, 10055-10066.	1.7	3
8	The parasitophorous vacuole nutrient channel is critical for drug access in malaria parasites and modulates the artemisinin resistance fitness cost. Cell Host and Microbe, 2021, 29, 1774-1787.e9.	5.1	21
9	A Mild and Versatile Friedelâ€"Crafts Methodology for the Diversityâ€Oriented Synthesis of Redoxâ€Active 3â€Benzoylmenadiones with Tunable Redox Potentials. Chemistry - A European Journal, 2020, 26, 3314-3325.	1.7	9
10	Repurposing Auranofin and Evaluation of a New Gold(I) Compound for the Search of Treatment of Human and Cattle Parasitic Diseases: From Protozoa to Helminth Infections. Molecules, 2020, 25, 5075.	1.7	18
11	Investigating the mode of action of the redox-active antimalarial drug plasmodione using the yeast model. Free Radical Biology and Medicine, 2019, 141, 269-278.	1.3	12
12	Physicochemical Properties Govern the Activity of Potent Antiviral Flavones. ACS Omega, 2019, 4, 4871-4887.	1.6	11
13	Antiplasmodial Activity of Nitroaromatic Compounds: Correlation with Their Reduction Potential and Inhibitory Action on Plasmodium falciparum Glutathione Reductase. Molecules, 2019, 24, 4509.	1.7	15
14	Selenium Status in Elderly People: Longevity and Age-Related Diseases. Current Pharmaceutical Design, 2019, 25, 1694-1706.	0.9	24
15	Synthesis of plasmodione metabolites and¹³C-enriched plasmodione as chemical tools for drug metabolism investigation. Organic and Biomolecular Chemistry, 2018, 16, 2647-2665.	1.5	15
16	Iron(<scp>iii</scp>) coordination properties of ladanein, a flavone lead with a broad-spectrum antiviral activity. New Journal of Chemistry, 2018, 42, 8074-8087.	1.4	9
17	AntiMalarial Mode of Action (AMMA) Database: Data Selection, Verification and Chemical Space Analysis. Molecular Informatics, 2018, 37, e1800021.	1.4	4
18	A high susceptibility to redox imbalance of the transmissible stages of <scp>P</scp>lasmodium falciparum revealed with a luciferaseâ€based mature gametocyte assay. Molecular Microbiology, 2017, 104, 306-318.	1.2	28

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19	Arylmethylamino steroids as antiparasitic agents. Nature Communications, 2017, 8, 14478.	5.8	36
20	QSAR modeling and chemical space analysis of antimalarial compounds. Journal of Computer-Aided Molecular Design, 2017, 31, 441-451.	1.3	13
21	A Redox-Active Fluorescent pH Indicator for Detecting Plasmodium falciparum Strains with Reduced Responsiveness to Quinoline Antimalarial Drugs. ACS Infectious Diseases, 2017, 3, 119-131.	1.8	7
22	Pharmacomodulation of the Antimalarial Plasmodione: Synthesis of Biaryl- and N-Arylalkylamine Analogues, Antimalarial Activities and Physicochemical Properties. Molecules, 2017, 22, 161.	1.7	7
23	In Silico Mining for Antimalarial Structure-Activity Knowledge and Discovery of Novel Antimalarial Curcuminoids. Molecules, 2016, 21, 853.	1.7	16
24	A Platform of Regioselective Methodologies to Access Polysubstituted 2â€Methylâ€1,4â€naphthoquinone Derivatives: Scope and Limitations. European Journal of Organic Chemistry, 2016, 2016, 1982-1993.	1.2	16
25	The Redox Cycler Plasmodione Is a Fast-Acting Antimalarial Lead Compound with Pronounced Activity against Sexual and Early Asexual Blood-Stage Parasites. Antimicrobial Agents and Chemotherapy, 2016, 60, 5146-5158.	1.4	23
26	Redox Polypharmacology as an Emerging Strategy to Combat Malarial Parasites. ChemMedChem, 2016, 11, 1339-1351.	1.6	28
27	Synthesis and evaluation of 1,4â€“naphthoquinone ether derivatives as Sm<scp>TGR</scp> inhibitors and new antiâ€schistosomal drugs. FEBS Journal, 2015, 282, 3199-3217.	2.2	14
28	Antimalarial NADPH-Consuming Redox-Cyclers As Superior Glucose-6-Phosphate Dehydrogenase Deficiency Copycats. Antioxidants and Redox Signaling, 2015, 22, 1337-1351.	2.5	26
29	Electrochemical Properties of Substituted 2â€Methylâ€1,4â€Naphthoquinones: Redox Behavior Predictions. Chemistry - A European Journal, 2015, 21, 3415-3424.	1.7	35
30	Diastereoselective Synthesis of 2,6â€Diaryltetrahydrothiopyranâ€4â€ones by Phaseâ€Transfer Catalysis. European Journal of Organic Chemistry, 2015, 2015, 1790-1796.	1.2	7
31	A Practical and Economical High-Yielding, Six-Step Sequence Synthesis of a Flavone: Application to the Multigram-Scale Synthesis of Ladanein. Organic Process Research and Development, 2014, 18, 613-617.	1.3	15
32	Antiglioma activity of GoPI-sugar, a novel gold(I)â€“phosphole inhibitor: Chemical synthesis, mechanistic studies, and effectiveness in vivo. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 1415-1426.	1.1	27
33	The Antimalarial Activities of Methylene Blue and the 1,4-Naphthoquinone 3-[4-(Trifluoromethyl)Benzyl]-Menadione Are Not Due to Inhibition of the Mitochondrial Electron Transport Chain. Antimicrobial Agents and Chemotherapy, 2013, 57, 2114-2120.	1.4	34
34	Versatile Synthesis of Dissymmetric Diarylideneacetones via a Palladium-CatalyzedÂ-Coupling-Isomerization Reaction. Synthesis, 2013, 45, 1270-1270.	1.2	0
35	1,4-Naphthoquinones and Other NADPH-Dependent Glutathione Reductase- Catalyzed Redox Cyclers as Antimalarial Agents. Current Pharmaceutical Design, 2013, 19, 2512-2528.	0.9	58
36	Versatile Synthesis of Dissymmetric Diarylideneacetones via a Palladium-CatalyzedÂ-Couplingâ€“Isomerization Reaction. Synthesis, 2012, 44, 3829-3835.	1.2	7

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37	Exploring the trifluoromenadione core as a template to design antimalarial redox-active agents interacting with glutathione reductase. Organic and Biomolecular Chemistry, 2012, 10, 4795.	1.5	24
38	Interactions of the Antimalarial Drug Methylene Blue with Methemoglobin and Heme Targets inPlasmodium falciparum: A Physico-Biochemical Study. Antioxidants and Redox Signaling, 2012, 17, 544-554.	2.5	36
39	A Plant-Derived Flavonoid Inhibits Entry of All HCV Genotypes Into Human Hepatocytes. Gastroenterology, 2012, 143, 213-222.e5.	0.6	111
40	Synthesis and biological evaluation of 1,4-naphthoquinones and quinoline-5,8-diones as antimalarial and schistosomicidal agents. Organic and Biomolecular Chemistry, 2012, 10, 6375.	1.5	53
41	A physico-biochemical study on potential redox-cyclers as antimalarial and anti-schistosomal drugs. Current Pharmaceutical Design, 2012, 18, 3539-66.	0.9	16
42	Glutathione Reductase-Catalyzed Cascade of Redox Reactions To Bioactivate Potent Antimalarial 1,4-Naphthoquinones â€“ A New Strategy to Combat Malarial Parasites. Journal of the American Chemical Society, 2011, 133, 11557-11571.	6.6	100
43	Antimalarial versus Cytotoxic Properties of Dual Drugs Derived From 4-Aminoquinolines and Mannich Bases: Interaction with DNA. Journal of Medicinal Chemistry, 2010, 53, 3214-3226.	2.9	69
44	752 INHIBITION OF HEPATITS C VIRUS ENTRY BY A PLANT-DERIVED FLAVONE. Journal of Hepatology, 2010, 52, S293.	1.8	1
45	Unsaturated Mannich Bases Active Against Multidrugâ€Resistant Trypanosoma brucei brucei Strains. ChemMedChem, 2009, 4, 339-351.	1.6	22
46	Antimalarial activities of ferroquine conjugates with either glutathione reductase inhibitors or glutathione depletors via a hydrolyzable amide linker. Bioorganic and Medicinal Chemistry, 2009, 17, 8048-8059.	1.4	52
47	A Sugarâ€Modified Phosphole Gold Complex with Antiproliferative Properties Acting as a Thioredoxin Reductase Inhibitor in MCFâ€7 Cells. ChemMedChem, 2008, 3, 1667-1670.	1.6	42
48	The aza-analogues of 1,4-naphthoquinones are potent substrates and inhibitors of plasmodial thioredoxin and glutathione reductases and of human erythrocyte glutathione reductase. Organic and Biomolecular Chemistry, 2008, 6, 2731.	1.5	67
49	Antimalarial Dual Drugs Based on Potent Inhibitors of Glutathione Reductase from Plasmodium falciparum. Journal of Medicinal Chemistry, 2008, 51, 1260-1277.	2.9	53
50	Thioredoxin Glutathione Reductase from Schistosoma mansoni: An Essential Parasite Enzyme and a Key Drug Target. PLoS Medicine, 2007, 4, e206.	3.9	285
51	A Fluoro Analogue of the Menadione Derivative 6-[2â€˜-(3â€˜-Methyl)-1â€˜,4â€˜-naphthoquinolyl]hexanoic Acid Is a Suicide Substrate of Glutathione Reductase. Crystal Structure of the Alkylated Human Enzymeâ€. Journal of the American Chemical Society, 2006, 128, 10784-10794.	6.6	84
52	Specific inhibitors of Plasmodium falciparum thioredoxin reductase as potential antimalarial agents. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 2283-2292.	1.0	66
53	Undressing of Phosphine Gold(I) Complexes as Irreversible Inhibitors of Human Disulfide Reductases. Angewandte Chemie - International Edition, 2006, 45, 1881-1886.	7.2	180
54	Synthesis of 5-Nitro-2-furancarbohydrazides and Theircis-Diamminedichloroplatinum Complexes as Bitopic and Irreversible Human Thioredoxin Reductase Inhibitors. Journal of Medicinal Chemistry, 2005, 48, 7024-7039.	2.9	39

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55	Irreversible Inactivation of Trypanothione Reductase by Unsaturated Mannich Bases:â€‰ A Divinyl Ketone as Key Intermediate. Journal of Medicinal Chemistry, 2005, 48, 7400-7410.	2.9	40
56	Mechanistic Studies on a Novel, Highly Potent Gold-Phosphole Inhibitor of Human Glutathione Reductase. Journal of Biological Chemistry, 2005, 280, 20628-20637.	1.6	78
57	5-Substituted Tetrazoles as Bioisosteres of Carboxylic Acids. Bioisosterism and Mechanistic Studies on Glutathione Reductase Inhibitors as Antimalarials. Journal of Medicinal Chemistry, 2004, 47, 5972-5983.	2.9	160
58	Antitrypanosomal Activities and Cytotoxicity of 5-Nitro-2-furancarbohydrazides.. ChemInform, 2003, 34, no.	0.1	0
59	Screening of Plasmodium falciparum iron superoxide dismutase inhibitors and accuracy of the SOD-assays. Bioorganic and Medicinal Chemistry, 2003, 11, 4941-4944.	1.4	27
60	Mechanism-Based Inactivation of Thioredoxin Reductase fromPlasmodium falciparumby Mannich Bases. Implication for Cytotoxicityâ€. Biochemistry, 2003, 42, 13319-13330.	1.2	60
61	Double-drug development against antioxidant enzymes fromPlasmodium falciparum. Redox Report, 2003, 8, 280-283.	1.4	27
62	Antitrypanosomal activities and cytotoxicity of 5-nitro-2-furancarbohydrazides. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 3601-3604.	1.0	14
63	A novel mechanism for inhibition of HIV-1 reverse transcriptase. Bioorganic Chemistry, 2002, 30, 443-458.	2.0	27
64	Comparison of the Inhibition of Human and Trypanosoma cruzi Prolyl Endopeptidases. Bioorganic and Medicinal Chemistry, 2002, 10, 1719-1729.	1.4	25
65	A Prodrug Form of a Plasmodium falciparum Glutathione Reductase Inhibitor Conjugated with a 4-Anilinoquinoline. Journal of Medicinal Chemistry, 2001, 44, 4268-4276.	2.9	128
66	Bromination Studies of the 2,3-Dimethylnaphthazarin Core Allowing Easy Access to Naphthazarin Derivatives. Journal of Organic Chemistry, 2001, 66, 5616-5619.	1.7	19
67	2- and 3-Substituted 1,4-Naphthoquinone Derivatives as Subversive Substrates of Trypanothione Reductase and Lipoamide Dehydrogenase fromTrypanosomacruzi:Â Synthesis and Correlation between Redox Cycling Activities and in Vitro Cytotoxicity. Journal of Medicinal Chemistry, 2001, 44, 548-565.	2.9	250
68	Antiplasmodial Activity and Cytotoxicity of Bis-, Tris-, and Tetraquinolines with Linear or Cyclic Amino Linkers. Journal of Medicinal Chemistry, 2001, 44, 1658-1665.	2.9	43
69	Potent and specific inhibitors of trypanothione reductase from Trypanosoma cruzi. Bioorganic and Medicinal Chemistry, 2001, 9, 837-846.	1.4	39
70	Trypanosoma cruzi Prolyl Oligopeptidase Tc80 Is Involved in Nonphagocytic Mammalian Cell Invasion by Trypomastigotes. Journal of Biological Chemistry, 2001, 276, 47078-47086.	1.6	105
71	The conserved redox-sensitive cysteine residue of the DNA-binding region in the c-Rel protein is involved in the regulation of the phosphorylation of the protein. Biochemical Journal, 2000, 352, 583.	1.7	10
72	Parallel synthesis of a library of 1,4-naphthoquinones and automated screening of potential inhibitors of trypanothione reductase from Trypanosoma cruzi. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 631-635.	1.0	46

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73	Trypanothione reductase inhibition/trypanocidal activity relationships in a 1,4-bis(3-aminopropyl)piperazine series. Bioorganic and Medicinal Chemistry, 2000, 8, 95-103.	1.4	44
74	Antimalarial, Antitrypanosomal, and Antileishmanial Activities and Cytotoxicity of Bis(9-amino-6-chloro-2-methoxyacridines):â€‰ Influence of the Linker. Journal of Medicinal Chemistry, 2000, 43, 2646-2654.	2.9	131
75	Automated parallel synthesis of a tetrahydroisoquinolin-based library: Potential prolyl endopeptidase inhibitors. Bioorganic and Medicinal Chemistry Letters, 1999, 9, 437-442.	1.0	27
76	Synthesis of polyamine derivatives for the preparation of affinity chromatography columns for the search of new Trypanosoma cruzi targets. Bioorganic and Medicinal Chemistry Letters, 1999, 9, 1567-1572.	1.0	10
77	Synthesis of 5,5â€²-Dithiobis(2-nitrobenzamides)as Alternative Substrates for Trypanothione Reductase and Thioredoxin Reductase: A Microtiter Colorimetric Assay for Inhibitor Screening. Analytical Biochemistry, 1999, 268, 1-8.	1.1	24
78	Evidence for the co-existence of glutathione reductase and trypanothione reductase in the non-trypanosomatid Euglenozoa: Euglena gracilis Z. FEBS Letters, 1999, 442, 29-33.	1.3	39
79	Photoaffinity labelling of the human mineralocorticoid receptor with steroids having a reactive group at position 3, 18 or 21. BBA - Proteins and Proteomics, 1998, 1388, 35-44.	2.1	5
80	Structure-activity relationships in 2-aminodiphenylsulfides against trypanothione reductase from Trypanosoma cruzi. Bioorganic and Medicinal Chemistry Letters, 1998, 8, 1175-1180.	1.0	24
81	18-Vinyldeoxycorticosterone: a potent inhibitor of the bovine cytochrome P -450 11Î². Bioorganic and Medicinal Chemistry, 1998, 6, 1781-1788.	1.4	4
82	A General Approach to the Synthesis of Polyamine Linked-Monoindolylmaleimides, a New Series of Trypanothione Reductase Inhibitors.. Chemical and Pharmaceutical Bulletin, 1998, 46, 707-710.	0.6	11
83	Glutathione-dependent activities of Trypanosoma cruzi p52 makes it a new member of the thiol:disulphide oxidoreductase family. Biochemical Journal, 1997, 322, 43-48.	1.7	35
84	New spermine and spermidine derivatives as potent inhibitors of Trypanosoma cruzi Trypanothione Reductase. Bioorganic and Medicinal Chemistry, 1997, 5, 1249-1256.	1.4	50
85	New potent inhibitors of trypanothione reductase from Trypanosoma cruzi in the 2-aminodiphenylsulfide series. European Journal of Medicinal Chemistry, 1997, 32, 39-52.	2.6	28
86	New Steroidal Diazo Ketones as Potential Photoaffinity Labeling Reagents for the Mineralocorticoid Receptor:Â Synthesis and Biological Activities. Journal of Medicinal Chemistry, 1996, 39, 2860-2864.	2.9	11
87	Synthesis of potential cytochrome P45011Î²-generated intermediates. Tetrahedron, 1995, 51, 3559-3570.	1.0	11
88	Purification of Microsomal Native Cytochrome b5 fromPotato Tubers (Solanum tuberosum L.). Journal of Plant Physiology, 1995, 145, 181-184.	1.6	2
89	An improved synthesis of 18-norandrost-4-ene-3,17-dione. Steroids, 1993, 58, 141-144.	0.8	5
90	High Sensitivity to Auxin is a Common Feature of Hairy Root. Plant Physiology, 1990, 94, 554-560.	2.3	73

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91	Epiallo-yohimbine derivatives isolated from in vitro hairy-root cultures of Catharanthus trichophyllus. Phytochemistry, 1989, 28, 1383-1387.	1.4	28
92	Production of indole alkaloids by in vitro root cultures from Catharanthus trichophyllus. Phytochemistry, 1989, 28, 2675-2680.	1.4	75
93	Cucumopineâ€"a new T-DNA-encoded opine in hairy root and crown gall. Phytochemistry, 1988, 27, 2429-2433.	1.4	51
94	Iridoids of Guyanese Species of Stigmaphyllon. Planta Medica, 1985, 51, 78-78.	0.7	6