Karine Reybier

List of Publications by Year
in descending order

47 papers	1,150 citations	489802 18 h-index	466096 32 g-index
47 all docs	47 docs citations	47 times ranked	1942 citing authors

#	Article	IF	Citations
1	Resistance to artemisinin in falciparum malaria parasites: A redox-mediated phenomenon. Free Radical Biology and Medicine, 2022, 179, 317-327.	1.3	24
2	In Vitro and In Silico Antimalarial Evaluation of FM-AZ, a New Artemisinin Derivative. Medicines (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.7	3
3	Association of NQO2 With UDP-Glucuronosyltransferases Reduces Menadione Toxicity in Neuroblastoma Cells. Frontiers in Pharmacology, 2021, 12, 660641.	1.6	2
4	Superoxide: A major role in the mechanism of action of essential antimalarial drugs. Free Radical Biology and Medicine, 2021, 167, 271-275.	1.3	14
5	Effect of Artemisinin-Loaded Mesoporous Cerium-Doped Calcium Silicate Nanopowder on Cell Proliferation of Human Periodontal Ligament Fibroblasts. Nanomaterials, 2021, 11, 2189.	1.9	13
6	Effect of Silica Based Nanoparticles against PlasmodiumÂfalciparum and Leishmania infantum parasites. Journal of Xenobiotics, 2021, 11, 155-162.	2.9	2
7	Reactive Oxygen Species as the Brainbox in Malaria Treatment. Antioxidants, 2021, 10, 1872.	2.2	23
8	Oxidation of Erythrocytes Enhance the Production of Reactive Species in the Presence of Artemisinins. International Journal of Molecular Sciences, 2020, 21, 4799.	1.8	14
9	Syk Kinase Inhibitors Synergize with Artemisinins by Enhancing Oxidative Stress in Plasmodium falciparum-Parasitized Erythrocytes. Antioxidants, 2020, 9, 753.	2.2	23
10	An LCâ€“MS Assay to Measure Superoxide Radicals and Hydrogen Peroxide in the Blood System. Metabolites, 2020, 10, 175.	1.3	15
11	Effect of ion doping in silica-based nanoparticles on the hemolytic and oxidative activity in contact with human erythrocytes. Chemico-Biological Interactions, 2020, 318, 108974.	1.7	27
12	Effect of Sintering Temperature of Bioactive Glass Nanoceramics on the Hemolytic Activity and Oxidative Stress Biomarkers in Erythrocytes. Cellular and Molecular Bioengineering, 2020, 13, 201-218.	1.0	10
13	Antimalarial Properties of Dunnione Derivatives as NQO2 Substrates. Molecules, 2019, 24, 3697.	1.7	8
14	Reactivities of MeO-substituted PBN-type nitrones. New Journal of Chemistry, 2019, 43, 15754-15762.	1.4	6
15	Terminalia albida treatment improves survival in experimental cerebral malaria through reactive oxygen species scavenging and anti-inflammatory properties. Malaria Journal, 2019, 18, 431.	0.8	21
16	Antileishmanial Compounds Isolated from Psidium Guajava L. Using a Metabolomic Approach. Molecules, 2019, 24, 4536.	1.7	11
17	S29434, a Quinone Reductase 2 Inhibitor: Main Biochemical and Cellular Characterization. Molecular Pharmacology, 2019, 95, 269-285.	1.0	21
18	Oxidative stress and neurodegeneration: The possible contribution of quinone reductase 2. Free Radical Biology and Medicine, 2018, 120, 56-61.	1.3	39

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19	Adaptation of a microbead assay for the easy evaluation of traditional anti-sickling medicines: application to DREPANOSTAT and FACA. Pharmaceutical Biology, 2018, 56, 385-392.	1.3	2
20	Synthesis and Evaluation of Antiplasmodial Activities of Fluorinated 6-Amino-2-Aryl-3H-Indolone-N-Oxides. , 2018, 08, .		0
21	Dereplication of natural products from complex extracts by regression analysis and molecular networking: case study of redox-active compounds from Viola alba subsp. dehnhardtii. Metabolomics, 2017, 13, 1.	1.4	12
22	LUCS (Light-Up Cell System), a universal high throughput assay for homeostasis evaluation in live cells. Scientific Reports, 2017, 7, 18069.	1.6	18
23	Role of Quinone Reductase 2 in the Antimalarial Properties of Indolone-Type Derivatives. Molecules, 2017, 22, 210.	1.7	7
24	Free Superoxide is an Intermediate in the Production of H₂O₂ by Copper(I)â€Aβ2 Peptide and O₂. Angewandte Chemie, 2016, 128, 1097-1101.	1.6	18
25	Free Superoxide is an Intermediate in the Production of H₂O₂ by Copper(I)â€Aβ2 Peptide and O₂. Angewandte Chemie - International Edition, 2016, 55, 1085-1089.	7.2	95
26	Improved on-chip impedimetric immuno-detection of subpopulations of cells toward single-cell resolution. Sensors and Actuators B: Chemical, 2016, 230, 825-831.	4.0	5
27	In cellulo monitoring of quinone reductase activity and reactive oxygen species production during the redox cycling of 1,2 and 1,4 quinones. Free Radical Biology and Medicine, 2015, 89, 126-134.	1.3	38
28	2-Aryl-3H-indol-3-ones: Synthesis, electrochemical behaviour and antiplasmodial activities. European Journal of Medicinal Chemistry, 2014, 78, 269-274.	2.6	21
29	EPR Spectroelectrochemical Investigation of Guanine Radical Formation and Environment Effects. Journal of Physical Chemistry B, 2014, 118, 2360-2365.	1.2	7
30	Extracts of Crinum latifolium inhibit the cell viability of mouse lymph oma cell line EL4 and induce activation of anti-tumour activity of macrophages in vitro. Journal of Ethnopharmacology, 2013, 149, 75-83.	2.0	21
31	Impedimetric immunosensor for the detection of circulating pro-inflammatory monocytes as infection markers. Biosensors and Bioelectronics, 2013, 49, 305-311.	5.3	14
32	Pro-oxidant properties of indolone-N-oxides in relation to their antimalarial properties. Journal of Inorganic Biochemistry, 2013, 126, 7-16.	1.5	6
33	Electrochemical behavior of indolone-N-oxides: Relationship to structure and antiplasmodial activity. Bioelectrochemistry, 2012, 88, 57-64.	2.4	20
34	Insights into the redox cycle of human quinone reductase 2. Free Radical Research, 2011, 45, 1184-1195.	1.5	53
35	Synthesis and Antiplasmodial Activity of New Indolone N-Oxide Derivatives. Journal of Medicinal Chemistry, 2010, 53, 699-714.	2.9	48
36	Characterization of oxidative stress in Leishmaniasis-infected or LPS-stimulated macrophages using electrochemical impedance spectroscopy. Biosensors and Bioelectronics, 2010, 25, 2566-2572.	5.3	14

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37	Electrochemical impedance spectroscopy to study physiological changes affecting the red blood cell after invasion by malaria parasites. Biosensors and Bioelectronics, 2009, 24, 2721-2725.	5.3	37
38	Ability of certain plant extracts traditionally used to treat ciguatera fish poisoning to inhibit nitric oxide production in RAW 264.7 macrophages. Journal of Ethnopharmacology, 2009, 123, 369-377.	2.0	36
39	Concentration and purification by magnetic separation of the erythrocytic stages of all human Plasmodium species. Malaria Journal, 2008, 7, 45.	0.8	191
40	Radical trapping properties of imidazolyl nitrones. Free Radical Research, 2006, 40, 11-20.	1.5	8
41	Fibroblast Cells:Â A Sensing Bioelement for Glucose Detection by Impedance Spectroscopy. Analytical Chemistry, 2003, 75, 3340-3344.	3.2	62
42	Electrodeposition of Keggin-Type Heteropolyanions on Different Electrode Surfaces from Nonaqueous Media. Journal of the Electrochemical Society, 2002, 149, E96.	1.3	13
43	The use of polyethyleneimine for fabrication of potentiometric cholinesterase biosensors. Talanta, 2002, 56, 1015-1020.	2.9	37
44	Enhanced ionodetection by using polyethyleneimine as an insulator material. Materials Science and Engineering C, 2002, 21, 35-41.	3.8	5
45	Surface modification of p-Si by a polyethylenimine coating: influence of the surface pre-treatment. Application to a potentiometric transducer as pH sensor. Electrochimica Acta, 2002, 47, 2597-2602.	2.6	25
46	Polyethyleneimine as a pH sensitive film for potentiometric transducers. Materials Science and Engineering C, 2001, 14, 47-53.	3.8	13
47	Electrochemical Oxidation of Ethylenediamine: New Way to Make Polyethyleneimine-Like Coatings on Metallic or Semiconducting Materials. Journal of the Electrochemical Society, 2000, 147, 597.	1.3	48