# Michel Frederich

## List of Publications by Citations



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|---|---|---|---|
| 176 papers | 3,628 citations | 33 h-index | 49 g-index |
| 188 ext. papers | 4,111 ext. citations | 3.7 avg, IF | 4.99 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 176 | About the toxicity of some Strychnos species and their alkaloids. *Toxicon*, **2004**, 44, 405-16 | 2.8 | 108 |
| 175 | Antimalarial compounds isolated from plants used in traditional medicine. *Journal of Pharmacy and Pharmacology*, **2010**, 61, 1401-1433 | 4.8 | 102 |
| 174 | Insect fatty acids: A comparison of lipids from three Orthopterans and Tenebrio molitor L. larvae. *Journal of Asia-Pacific Entomology*, **2017**, 20, 337-340 | 1.4 | 99 |
| 173 | In vitro antiplasmodial activity of plants used in Benin in traditional medicine to treat malaria. *Journal of Ethnopharmacology*, **2009**, 122, 439-44 | 5 | 91 |
| 172 | Potential antimalarial activity of indole alkaloids. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, **2008**, 102, 11-9 | 2 | 88 |
| 171 | Chemical composition, cytotoxicity and in vitro antitrypanosomal and antiplasmodial activity of the essential oils of four Cymbopogon species from Benin. *Journal of Ethnopharmacology*, **2014**, 151, 652-9 | 5 | 85 |
| 170 | NMR assignments of the major cannabinoids and cannabiflavonoids isolated from flowers of Cannabis sativa. *Phytochemical Analysis*, **2004**, 15, 345-54 | 3.4 | 82 |
| 169 | Antiplasmodial activity of alkaloids from various strychnos species. *Journal of Natural Products*, **2002**, 65, 1381-6 | 4.9 | 81 |
| 168 | Discovery of a natural thiamine adenine nucleotide. *Nature Chemical Biology*, **2007**, 3, 211-2 | 11.7 | 79 |
| 167 | In vitro antiplasmodial activity of Tithonia diversifolia and identification of its main active constituent: tagitinin C. *Planta Medica*, **2002**, 68, 543-5 | 3.1 | 78 |
| 166 | Screening of medicinal plants from Reunion Island for antimalarial and cytotoxic activity. *Journal of Ethnopharmacology*, **2008**, 120, 382-6 | 5 | 77 |
| 165 | Metabolomic analysis of Strychnos nux-vomica, Strychnos icaja and Strychnos ignatii extracts by 1H nuclear magnetic resonance spectrometry and multivariate analysis techniques. *Phytochemistry*, **2004**, 65, 1993-2001 | 4 | 75 |
| 164 | New developments on thromboxane and prostacyclin modulators part I: thromboxane modulators. *Current Medicinal Chemistry*, **2004**, 11, 1223-41 | 4.3 | 74 |
| 163 | Evaluation of 13 selected medicinal plants from Burkina Faso for their antiplasmodial properties. *Journal of Ethnopharmacology*, **2010**, 130, 143-50 | 5 | 57 |
| 162 | Antimalarial compounds isolated from plants used in traditional medicine. *Journal of Pharmacy and Pharmacology*, **2009**, 61, 1401-33 | 4.8 | 57 |
| 161 | New trends in anti-malarial agents. *Current Medicinal Chemistry*, **2002**, 9, 1435-56 | 4.3 | 52 |
| 160 | Metabolomic investigation of the ethnopharmacological use of Artemisia afra with NMR spectroscopy and multivariate data analysis. *Journal of Ethnopharmacology*, **2010**, 128, 230-5 | 5 | 48 |

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| 159 | Antiplasmodial and cytotoxic activities of Rwandan medicinal plants used in the treatment of malaria. *Journal of Ethnopharmacology*, **2010**, 128, 52-7 | 5 | 47 |
| 158 | In vitro activities of strychnos alkaloids and extracts against Plasmodium falciparum. *Antimicrobial Agents and Chemotherapy*, **1999**, 43, 2328-31 | 5.9 | 47 |
| 157 | Strychnogucines A and B, two new antiplasmodial bisindole alkaloids from Strychnos icaja. *Journal of Natural Products*, **2001**, 64, 12-6 | 4.9 | 45 |
| 156 | Antiplasmodial, anti-inflammatory and cytotoxic activities of various plant extracts from the Mascarene Archipelago. *Journal of Ethnopharmacology*, **2011**, 136, 525-31 | 5 | 42 |
| 155 | LC/MS/NMR analysis of isomeric divanilloylquinic acids from the root bark of Fagara zanthoxyloides Lam. *Phytochemistry*, **2004**, 65, 1145-51 | 4 | 42 |
| 154 | Anti-plasmodial activity of Dicoma tomentosa (Asteraceae) and identification of urospermal A-15-O-acetate as the main active compound. *Malaria Journal*, **2012**, 11, 289 | 3.6 | 41 |
| 153 | Thiaminylated adenine nucleotides. Chemical synthesis, structural characterization and natural occurrence. *FEBS Journal*, **2009**, 276, 3256-68 | 5.7 | 41 |
| 152 | Quantitative analysis of strychnine and Brucine in Strychnos nux-vomica using 1H-NMR. *Planta Medica*, **2003**, 69, 1169-71 | 3.1 | 39 |
| 151 | Antiparasitic activities of two sesquiterpenic lactones isolated from Acanthospermum hispidum D.C. *Journal of Ethnopharmacology*, **2012**, 141, 411-7 | 5 | 38 |
| 150 | Screening of 14 alkaloids isolated from Haplophyllum A. Juss. for their cytotoxic properties. *Journal of Ethnopharmacology*, **2006**, 105, 241-5 | 5 | 38 |
| 149 | Five labdane diterpenoids from the seeds of Aframomum zambesiacum. *Phytochemistry*, **2006**, 67, 433-84 | | 37 |
| 148 | New antimalarial and cytotoxic sungucine derivatives from Strychnos icaja roots. *Planta Medica*, **2000**, 66, 262-9 | 3.1 | 37 |
| 147 | Polyphenol content and modulatory activities of some tropical dietary plant extracts on the oxidant activities of neutrophils and myeloperoxidase. *International Journal of Molecular Sciences*, **2012**, 13, 628-50 | 6.3 | 36 |
| 146 | Biologically active bisbenzylisoquinoline alkaloids from the root bark of Epinetrum villosum. *Journal of Ethnopharmacology*, **2005**, 102, 89-94 | 5 | 36 |
| 145 | Combination of capillary electrophoresis, molecular modelling and nuclear magnetic resonance to study the interaction mechanisms between single-isomer anionic cyclodextrin derivatives and basic drug enantiomers in a methanolic background electrolyte. *Journal of Chromatography A*, **2012**, 1232, 59-64 | 4.5 | 35 |
| 144 | Metabolomics as a Challenging Approach for Medicinal Chemistry and Personalized Medicine. *Journal of Medicinal Chemistry*, **2016**, 59, 8649-8666 | 8.3 | 34 |
| 143 | In vitro and in vivo antimalarial and cytotoxic activity of five plants used in congolese traditional medicine. *Journal of Ethnopharmacology*, **2010**, 129, 398-402 | 5 | 32 |
| 142 | In vitro antitrypanosomal and antiplasmodial activities of crude extracts and essential oils of Ocimum gratissimum Linn from Benin and influence of vegetative stage. *Journal of Ethnopharmacology*, **2014**, 155, 1417-23 | 5 | 31 |

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| 141 | In vitro and in vivo antimalarial properties of isostrychnopentamine, an indolomonoterpenic alkaloid from Strychnos usambarensis. *Planta Medica*, **2004**, 70, 520-5 | 3.1 | 30 |
| 140 | Metabolomic analysis of Echinacea spp. by 1H nuclear magnetic resonance spectrometry and multivariate data analysis technique. *Phytochemical Analysis*, **2010**, 21, 61-5 | 3.4 | 29 |
| 139 | In vitro screening of some Strychnos species for antiplasmodial activity. *Journal of Ethnopharmacology*, **2005**, 97, 535-9 | 5 | 29 |
| 138 | Netamines H-N, tricyclic alkaloids from the marine sponge Biemna laboutei and their antimalarial activity. *Journal of Natural Products*, **2014**, 77, 818-23 | 4.9 | 28 |
| 137 | Quality assessment of Polygonum cuspidatum and Polygonum multiflorum by 1H NMR metabolite fingerprinting and profiling analysis. *Planta Medica*, **2011**, 77, 81-6 | 3.1 | 28 |
| 136 | Antisickling properties of divanilloylquinic acids isolated from Fagara zanthoxyloides Lam. (Rutaceae). *Phytomedicine*, **2009**, 16, 125-9 | 6.5 | 28 |
| 135 | Unguiculin A and Ptilomycalins E-H, Antimalarial Guanidine Alkaloids from the Marine Sponge Monanchora unguiculata. *Journal of Natural Products*, **2017**, 80, 1404-1410 | 4.9 | 27 |
| 134 | The emergence of metabolomics as a key discipline in the drug discovery process. *Drug Discovery Today: Technologies*, **2015**, 13, 19-24 | 7.1 | 27 |
| 133 | In vitro anticancer potential of tree extracts from the Walloon Region forest. *Planta Medica*, **2009**, 75, 1634-7 | 3.1 | 27 |
| 132 | Validation of a high-performance thin-layer chromatography/densitometry method for the quantitative determination of glucosamine in a herbal dietary supplement. *Journal of Chromatography A*, **2006**, 1112, 156-64 | 4.5 | 26 |
| 131 | Nuclear magnetic resonance: a key metabolomics platform in the drug discovery process. *Drug Discovery Today: Technologies*, **2015**, 13, 39-46 | 7.1 | 25 |
| 130 | In vivo antimalarial activity of Keetia leucantha twigs extracts and in vitro antiplasmodial effect of their constituents. *Journal of Ethnopharmacology*, **2013**, 149, 176-83 | 5 | 25 |
| 129 | Grasshoppers as a food source? A review. *Biotechnology, Agronomy and Society and Environment*, **2016**, 337-352 | 1.3 | 25 |
| 128 | An easy, convenient cell and tissue extraction protocol for nuclear magnetic resonance metabolomics. *Phytochemical Analysis*, **2014**, 25, 342-9 | 3.4 | 24 |
| 127 | Quality control of Citri reticulatae pericarpium: exploratory analysis and discrimination. *Analytica Chimica Acta*, **2011**, 705, 111-22 | 6.6 | 24 |
| 126 | In vitro and in vivo antiplasmodial activity of three Rwandan medicinal plants and identification of their active compounds. *Planta Medica*, **2014**, 80, 482-9 | 3.1 | 23 |
| 125 | Antiplasmodial and antitrypanosomal activity of Triclisia sacleuxii (Pierre) Diels. *Phytomedicine*, **2008**, 15, 728-33 | 6.5 | 23 |
| 124 | Quaternary indole alkaloids from the stem bark of Strychnos guianensis. *Phytochemistry*, **2000**, 53, 1057-66 | 4 | 23 |

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| 123 | Collected mass spectrometry data on monoterpene indole alkaloids from natural product chemistry research. *Scientific Data*, **2019**, 6, 15 | 8.2 | 22 |
| 122 | Antimalarial Activities of Alkyl Cyclohexenone Derivatives Isolated from the Leaves of Poupartia borbonica. *Journal of Natural Products*, **2017**, 80, 1750-1757 | 4.9 | 21 |
| 121 | Antiplasmodial, anti-chikungunya virus and antioxidant activities of 64 endemic plants from the Mascarene Islands. *International Journal of Antimicrobial Agents*, **2018**, 52, 622-628 | 14.3 | 21 |
| 120 | Pros and cons of flowers strips for farmers. A review. *Biotechnology, Agronomy and Society and Environment*, **2016**, 225-235 | 1.3 | 21 |
| 119 | In-vitro and in-vivo antimalarial activity of caffeic acid and some of its derivatives. *Journal of Pharmacy and Pharmacology*, **2018**, 70, 1349-1356 | 4.8 | 20 |
| 118 | In vitro cytotoxicity of some medicinal plants from Georgian Amaryllidaceae. *Phytotherapy Research* , **2007**, 21, 622-4 | 6.7 | 20 |
| 117 | Carboline glucoalkaloids from Strychnos mellodora. *Phytochemistry*, **1999**, 51, 1171-1176 | 4 | 20 |
| 116 | 10PHydroxyusambarensine, a new antimalarial bisindole alkaloid from the roots of Strychnos usambarensis. *Journal of Natural Products*, **1999**, 62, 619-21 | 4.9 | 20 |
| 115 | Antiparasitic hybrids of Cinchona alkaloids and bile acids. *European Journal of Medicinal Chemistry*, **2013**, 66, 355-63 | 6.8 | 19 |
| 114 | Identification and structural elucidation of four cannabimimetic compounds (RCS-4, AM-2201, JWH-203 and JWH-210) in seized products. *Journal of Analytical Toxicology*, **2013**, 37, 56-63 | 2.9 | 19 |
| 113 | Identification and quantification of the main active anticancer alkaloids from the root of Glaucium flavum. *International Journal of Molecular Sciences*, **2013**, 14, 23533-44 | 6.3 | 19 |
| 112 | Reversal of chloroquine and mefloquine resistance in Plasmodium falciparum by the two monoindole alkaloids, icajine and isoretuline. *Planta Medica*, **2001**, 67, 523-7 | 3.1 | 19 |
| 111 | Antiplasmodial anthraquinones and hemisynthetic derivatives from the leaves of Tectona grandis (Verbenaceae). *Phytochemistry Letters*, **2014**, 8, 41-45 | 1.9 | 18 |
| 110 | First and second generations of COX-2 selective inhibitors. *Mini-Reviews in Medicinal Chemistry*, **2004**, 4, 597-601 | 3.2 | 18 |
| 109 | Antihypertensive and vasorelaxant effects of aqueous extract of Artemisia campestris L. from Eastern Morocco. *Journal of Ethnopharmacology*, **2017**, 206, 224-235 | 5 | 17 |
| 108 | Theoretical and experimental investigations of organic acids/cyclodextrin complexes and their consequences upon the formation of miconazole/cyclodextrin/acid ternary inclusion complexes. *International Journal of Pharmaceutics*, **2008**, 347, 62-70 | 6.5 | 17 |
| 107 | Fagraldehyde, a secoiridoid isolated from Fagraea fragrans. *Journal of Natural Products*, **2008**, 71, 2038-40 | 4.9 | 17 |
| 106 | Netamines O-S, Five New Tricyclic Guanidine Alkaloids from the Madagascar Sponge Biemna laboutei, and Their Antimalarial Activities. *Chemistry and Biodiversity*, **2015**, 12, 1725-33 | 2.5 | 16 |

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|---|---|---|---|
| 105 | Molecular biology, phytochemistry and bioactivity of three endemic Aloe species from Mauritius and R□nion Islands. *Phytochemical Analysis*, **2010**, 21, 566-74 | 3.4 | 16 |
| 104 | Strychnohexamine from Strychnos icaja, a naturally occurring trimeric indolomonoterpenic alkaloid. *Tetrahedron Letters*, **2002**, 43, 3387-3390 | 2 | 16 |
| 103 | Indolomonoterpenic alkaloids from Strychnos icaja roots. *Phytochemistry*, **2003**, 62, 623-9 | 4 | 16 |
| 102 | Nutritional composition and rearing potential of the meadow grasshopper ( Chorthippus parallelus Zetterstedt). *Journal of Asia-Pacific Entomology*, **2016**, 19, 1111-1116 | 1.4 | 16 |
| 101 | Comparison of metabolic profiles and bioactivities of the leaves of three edible Congolese Hibiscus species. *Natural Product Research*, **2017**, 31, 2885-2892 | 2.3 | 15 |
| 100 | New Antimalarial and Antimicrobial Tryptamine Derivatives from the Marine Sponge. *Marine Drugs*, **2019**, 17, | 6 | 15 |
| 99 | Revealing the anti-tumoral effect of Algerian Glaucium flavum roots against human cancer cells. *Phytomedicine*, **2013**, 20, 1211-8 | 6.5 | 15 |
| 98 | Dimeric bisindole alkaloids from the stem bark of Strychnos nux-vomica L. *Phytochemistry*, **2013**, 87, 157-63 | 4 | 15 |
| 97 | Isostrychnopentamine, an indolomonoterpenic alkaloid from Strychnos usambarensis, induces cell cycle arrest and apoptosis in human colon cancer cells. *Journal of Pharmacology and Experimental Therapeutics*, **2003**, 304, 1103-10 | 4.7 | 15 |
| 96 | Antiplasmodial activity of Mezoneuron benthamianum leaves and identification of its active constituents. *Journal of Ethnopharmacology*, **2017**, 203, 20-26 | 5 | 14 |
| 95 | Strychnobaillonine, an unsymmetrical bisindole alkaloid with an unprecedented skeleton from Strychnos icaja roots. *Journal of Natural Products*, **2014**, 77, 1078-82 | 4.9 | 14 |
| 94 | Spectroscopic studies and molecular modeling for understanding the interactions between cholesterol and cyclodextrins. *Journal of Pharmacy and Pharmaceutical Sciences*, **2010**, 13, 362-77 | 3.4 | 14 |
| 93 | Antiplasmodial alkaloids from the stem bark of Strychnos malacoclados. *Planta Medica*, **2012**, 78, 377-82 | 3.1 | 14 |
| 92 | Triclisia sacleuxii (Pierre) Diels (Menispermaceae), a potential source of acetylcholinesterase inhibitors. *Journal of Pharmacy and Pharmacology*, **2010**, 61, 103-107 | 4.8 | 14 |
| 91 | 3?,4?,5?,6? Tetradehydrolongicaudatine Y, an anhydronium base from Strychnos usambarensis. *Phytochemistry*, **1998**, 48, 1263-1266 | 4 | 14 |
| 90 | Study of the physicochemical properties in aqueous medium and molecular modeling of tagitinin C/cyclodextrin complexes. *Journal of Pharmaceutical and Biomedical Analysis*, **2007**, 43, 910-9 | 3.5 | 14 |
| 89 | Cyclotheonellazoles A-C, Potent Protease Inhibitors from the Marine Sponge Theonella aff. swinhoei. *Journal of Natural Products*, **2017**, 80, 1110-1116 | 4.9 | 13 |
| 88 | A review of traditional uses, phytochemistry and pharmacology of the genus Indigofera. *Journal of Ethnopharmacology*, **2020**, 253, 112608 | 5 | 13 |

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| 87 | The genus Psiadia: Review of traditional uses, phytochemistry and pharmacology. *Journal of Ethnopharmacology*, **2018**, 210, 48-68 | 5 | 13 |
| 86 | Substituted azafluorenones: access from dihalogeno diaryl ketones by palladium-catalyzed auto-tandem processes and evaluation of their antibacterial, antifungal, antimalarial and antiproliferative activities. *Tetrahedron*, **2016**, 72, 825-836 | 2.4 | 13 |
| 85 | Coupling of liquid chromatography/tandem mass spectrometry and liquid chromatography/solid-phase extraction/NMR techniques for the structural identification of metabolites following in vitro biotransformation of SUR1-selective ATP-sensitive potassium channel openers. *Drug Metabolism and Disposition*, **2010**, 38, 232-40 | 4 | 13 |
| 84 | Strychnochrysine, a New Bisindole Alkaloid from the Roots of Strychnos nux-vomica1. *Journal of Natural Products*, **1998**, 61, 139-41 | 4.9 | 13 |
| 83 | Quantification of tagitinin C in Tithonia diversifolia by reversed-phase high-performance liquid chromatography. *Phytochemical Analysis*, **2003**, 14, 378-80 | 3.4 | 13 |
| 82 | In vitro antiplasmodial and cytotoxic activities of sesquiterpene lactones from Vernonia fimbrillifera Less. (Asteraceae). *Natural Product Research*, **2018**, 32, 1463-1466 | 2.3 | 12 |
| 81 | Phenolic acid-rich extract of sweet basil restores cholesterol and triglycerides metabolism in high fat diet-fed mice: A comparison with fenofibrate. *Biomedicine and Preventive Nutrition*, **2013**, 3, 393-397 | | 12 |
| 80 | Guiaflavine, a new bisindole quaternary alkaloid from the stem bark of Strychnos guianensis. *Journal of Natural Products*, **1999**, 62, 898-900 | 4.9 | 12 |
| 79 | Flavonoid Analysis and Antioxidant Activities of the L. Aerial Parts. *Antioxidants*, **2019**, 8, | 7.1 | 11 |
| 78 | Fingerprinting and validation of a LC-DAD method for the analysis of biflavanones in Garcinia kola-based antimalarial improved traditional medicines. *Journal of Pharmaceutical and Biomedical Analysis*, **2016**, 128, 382-390 | 3.5 | 11 |
| 77 | Potential anticancer activity of young Carpinus betulus leaves. *Phytomedicine*, **2012**, 19, 278-83 | 6.5 | 11 |
| 76 | Alkaloids from the stem bark of Strychnos icaja. *Phytochemistry Letters*, **2012**, 5, 108-113 | 1.9 | 11 |
| 75 | Is artemisinin the only antiplasmodial compound in the Artemisia annua tea infusion? An in vitro study. *Planta Medica*, **2013**, 79, 468-70 | 3.1 | 11 |
| 74 | Application of a new optimization strategy for the separation of tertiary alkaloids extracted from Strychnos usambarensis leaves. *Journal of Pharmaceutical and Biomedical Analysis*, **2011**, 56, 30-7 | 3.5 | 11 |
| 73 | Flavonoid composition, cellular antioxidant activity and (myelo)peroxidase inhibition of a Bryonia alba L. (Cucurbitaceae) leaves extract. *Journal of Pharmacy and Pharmacology*, **2019**, 71, 230-239 | 4.8 | 11 |
| 72 | Seasonal Effect on the Chemical Composition, Insecticidal Properties and Other Biological Activities of Guill. & Perr. Essential oils. *Foods*, **2020**, 9, | 4.9 | 10 |
| 71 | Structure-activity relationship of hybrids of Cinchona alkaloids and bile acids with in´vitro antiplasmodial and antitrypanosomal activities. *European Journal of Medicinal Chemistry*, **2015**, 100, 10-7 | 6.8 | 10 |
| 70 | In vivo antimalarial activity of isosungucine, an indolomonoterpenic alkaloid from Strychnos icaja. *Planta Medica*, **2007**, 73, 478-9 | 3.1 | 10 |

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| 69 | 5P,6Pdehydroguiachrysine and 5P,6Pdehydroguiaflavine, two curarizing quaternary indole alkaloids from the stem bark of Strychnos guianensis. *Phytochemistry*, **2001**, 58, 619-26 | 4 | 10 |
| 68 | An ethnobotanical survey and inhibitory effects on NLRP3 inflammasomes/Caspase-1 of herbal recipesPextracts traditionally used in Rwanda for asthma treatment. *Journal of Ethnopharmacology*, **2018**, 227, 29-40 | 5 | 9 |
| 67 | Antiplasmodial activity of Heinsia crinita (Rubiaceae) and identification of new iridoids. *Journal of Ethnopharmacology*, **2017**, 196, 261-266 | 5 | 9 |
| 66 | 17-O-acetyl,10-hydroxycorynantheol, a selective antiplasmodial alkaloid isolated from Strychnos usambarensis leaves. *Planta Medica*, **2011**, 77, 2050-3 | 3.1 | 9 |
| 65 | Moandaensine, a dimeric indole alkaloid from Strychnos moandaensis (Loganiaceae). *Phytochemistry Letters*, **2010**, 3, 100-103 | 1.9 | 9 |
| 64 | Main glucosidase conversion products of the gluco-alkaloids dolichantoside and palicoside. *Phytochemistry*, **2001**, 57, 653-9 | 4 | 9 |
| 63 | Apoptosis of HL-60 leukemia cells induced by the bisindole alkaloids sungucine and isosungucine from Strychnos icaja. *Planta Medica*, **2002**, 68, 591-5 | 3.1 | 9 |
| 62 | Chemical Constituents of the Leaves of Caloncoba welwitschii Gilg.. *Phytochemistry Letters*, **2018**, 23, 5-8 | 1.9 | 9 |
| 61 | Antrocarines A-F, antiplasmodial ergostane steroids from the stem bark of Antrocaryon klaineanum. *Phytochemistry*, **2015**, 117, 521-526 | 4 | 8 |
| 60 | Carbon Multiplicity Editing in Long-Range Heteronuclear Correlation NMR Experiments: A Valuable Tool for the Structure Elucidation of Natural Products. *Journal of Natural Products*, **2015**, 78, 2236-41 | 4.9 | 8 |
| 59 | Phenolic compounds from the roots of Ochna schweinfurthiana and their antioxidant and antiplasmodial activities. *Phytochemistry Letters*, **2016**, 17, 119-125 | 1.9 | 8 |
| 58 | Isolation, pharmacological activity and structure determination of physalin B and 5,6-epoxyphysalin B isolated from Congolese Physalis angulata L. *Acta Crystallographica Section C: Crystal Structure Communications*, **2013**, 69, 1557-62 | | 8 |
| 57 | Indole Alkaloids from Strychnos Species and Their Antiplasmodial and Cytotoxic Activites. *Chemistry of Natural Compounds*, **2003**, 39, 513-519 | 0.7 | 8 |
| 56 | Microscopic Features, Chromatographic Fingerprints and Antioxidant Property of some Unconventional Green Leafy Vegetables Consumed in Bandundu, DR Congo. *Pharmacognosy Communications*, **2017**, 7, 158-163 | 1.4 | 8 |
| 55 | Natural Phenolic Compounds and Derivatives as Potential Antimalarial Agents. *Planta Medica*, **2020**, 86, 585-618 | 3.1 | 8 |
| 54 | Antioxidant capacity and polyphenolic content of the Echinocystis lobata (Michx.) Torr. et A.Gray flowers. *Pakistan Journal of Pharmaceutical Sciences*, **2018**, 31, 677-683 | 0.4 | 8 |
| 53 | Metabolomic and molecular signatures of Mascarene Aloes using a multidisciplinary approach. *South African Journal of Botany*, **2017**, 108, 137-143 | 2.9 | 7 |
| 52 | Antioxidant potentiality of three herbal teas consumed in Bandundu rural areas of Congo. *Natural Product Research*, **2017**, 31, 1940-1943 | 2.3 | 7 |

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| 51 | In vivo Antimalarial and Antitrypanosomal Activity of Strychnogucine B, a Bisindole Alkaloid from Strychnos icaja. *Planta Medica*, **2018**, 84, 881-885 | 3.1 | 7 |
| 50 | LC-SPE-NMR-MS analysis of Strychnos usambarensis fruits from Rwanda. *Phytochemistry Letters*, **2012**, 5, 170-173 | 1.9 | 7 |
| 49 | Understanding the interactions between artemisinin and cyclodextrins: spectroscopic studies and molecular modeling. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2012**, 74, 305-315 | | 7 |
| 48 | Chrysopentamine, an antiplasmodial anhydronium base from Strychnos usambarensis leaves. *Planta Medica*, **2004**, 70, 72-6 | 3.1 | 7 |
| 47 | Chenopodium ambrosioides induces an endothelium-dependent relaxation of rat isolated aorta. *Journal of Integrative Medicine*, **2019**, 17, 115-124 | 4 | 6 |
| 46 | Triclisia sacleuxii (Pierre) Diels (Menispermaceae), a potential source of acetylcholinesterase inhibitors. *Journal of Pharmacy and Pharmacology*, **2009**, 61, 103-7 | 4.8 | 6 |
| 45 | The Inhibition of NLRP3 Inflammasome and IL-6 Production by Derived Constituents Provides a Link to Its Anti-Inflammatory Therapeutic Potentials. *Molecules*, **2020**, 25, | 4.8 | 6 |
| 44 | Capillary electrophoresis, high-performance liquid chromatography, and thin-layer chromatography analyses of phenolic compounds from rapeseed plants and evaluation of their antioxidant activity. *Journal of Separation Science*, **2019**, 42, 609-618 | 3.4 | 6 |
| 43 | Antiplasmodial Diterpenoids from Psiadia arguta. *Journal of Natural Products*, **2019**, 82, 1361-1366 | 4.9 | 5 |
| 42 | A new ent-clerodane diterpenoid from Crassocephalum bauchiense Huch. (Asteraceae). *Natural Product Research*, **2015**, 29, 1990-4 | 2.3 | 5 |
| 41 | Study of the interaction of antiplasmodial strychnine derivatives with the glycine receptor. *European Journal of Pharmacology*, **2006**, 530, 15-22 | 5.3 | 5 |
| 40 | Sphingolipids: promising lipid-class molecules with potential applications for industry. A review. *Biotechnology, Agronomy and Society and Environment*, **2016**, 321-336 | 1.3 | 5 |
| 39 | Excelsanone, a new isoflavonoid from (Fabaceae), with antioxidant and cytotoxic effects on prostate cancer cells lines. *Natural Product Research*, **2020**, 34, 659-667 | 2.3 | 5 |
| 38 | Antileishmanial and cytotoxic activities of a new limonoid and a new phenyl alkene from the stem bark of (Meliaceae). *Natural Product Research*, **2020**, 34, 3182-3188 | 2.3 | 5 |
| 37 | Antiprotozoal activities of Triterpenic Acids and Ester Derivatives Isolated from the Leaves of Vitellaria paradoxa. *Planta Medica*, **2021**, 87, 860-867 | 3.1 | 4 |
| 36 | Unusual amino acids and monofluoroacetate from Dichapetalum michelsonii (Umutambasha), a toxic plant from Rwanda. *Planta Medica*, **2013**, 79, 334-7 | 3.1 | 4 |
| 35 | Qualitative and quantitative evaluation of bisindole usambarane alkaloids in Strychnos usambarensis roots by high performance liquid chromatography-diode-array **1998**, 9, 63-66 | | 4 |
| 34 | Chemical and biological investigations of a toxic plant from Central Africa, Magnistipula butayei subsp. montana. *Journal of Ethnopharmacology*, **2006**, 103, 433-8 | 5 | 4 |

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| 33 | In Vitro Antiplasmodial and Cytotoxic Activities of Compounds from the Roots of (Fabaceae). *Molecules*, **2021**, 26, | 4.8 | 4 |
| 32 | Traditional Foods as Putative Sources of Antioxidants with Health Benefits in Konzo **2018**, | | 4 |
| 31 | N-myristoyltransferases inhibitory activity of ellagitannins from Terminalia bentzo(L.) L. f. subsp. bentzo*Fitoterap*2018, 131, 91-95 | 3.2 | 4 |
| 30 | Phytochemical Profile and Biological Activity Evaluation of Zanthoxylum heterophyllum Leaves against Malaria. *Planta Medica Letters*, **2015**, 2, e10-e11 | | 3 |
| 29 | Heparin-Coated Liposomes Improve Antiplasmodial Activity and Reduce the Toxicity of Poupartone B. *Planta Medica International Open*, **2020**, 07, e73-e80 | 0.8 | 3 |
| 28 | A H NMR-based metabolomic approach to study the production of antimalarial compounds from Psiadia arguta leaves (pers.) voigt. *Phytochemistry*, **2020**, 176, 112401 | 4 | 3 |
| 27 | Semisynthesis and in Vitro Photodynamic Activity Evaluations of Halogenated and Glycosylated Derivatives of Pheophorbide a. *European Journal of Organic Chemistry*, **2015**, 2015, 6061-6074 | 3.2 | 3 |
| 26 | From Valeriana officinalis to cancer therapy: the success of a bio-sourced compound. *Biotechnology, Agronomy and Society and Environment*, **2016**, 314-320 | 1.3 | 3 |
| 25 | Anti-inflammatory and antioxidant activities of , a traditional vegetable consumed by people from Kongo Central area (DR. Congo). *Natural Product Research*, **2019**, 33, 1650-1654 | 2.3 | 3 |
| 24 | Phytochemical Investigation and Biological Activities of. *Molecules*, **2021**, 26, | 4.8 | 3 |
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