# Ugo Bussy

List of Publications by Year
in descending order



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|---|---|---|---|
| 52 papers | 865 citations | 516710 16 h-index | 526287 27 g-index |
| 54 all docs | 54 docs citations | 54 times ranked | 845 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Next-generation lampricides: a three-stage process to develop improved control tools for invasive sea lamprey. Canadian Journal of Fisheries and Aquatic Sciences, 2022, 79, 692-702. | 1.4 | 7 |
| 2 | In-line formation and identification of toxic reductive metabolites of aristolochic acid using electrochemistry mass spectrometry coupling. Analytical and Bioanalytical Chemistry, 2022, 414, 2363-2370. | 3.7 | 1 |
| 3 | Determination of Cocoa Flavanols and Procyanidins (by Degree of Polymerization DP1-7) in Cocoa-Based Products by Hydrophilic Interaction Chromatography Coupled With Fluorescence Detection: Collaborative Study. Journal of AOAC INTERNATIONAL, 2022, 105, 1060-1068. | 1.5 | 4 |
| 4 | Using electrochemistry coupled to high resolution mass spectrometry for the simulation of the environmental degradation of the recalcitrant fungicide carbendazim. Talanta, 2021, 221, 121448. | 5.5 | 14 |
| 5 | Single-Laboratory Validation for the Determination of Cocoa Flavanols and Procyanidins (by Degree) Tj ETQq1 1 0.784314 rgBT /Overlo Coupled with Fluorescence Detection: First Action 2020.05. Journal of AOAC INTERNATIONAL, 2021, 104, 413-421. | 1.5 | 15 |
| 6 | Bile acid production is life-stage and sex dependent and affected by primer pheromones in the sea lamprey. Journal of Experimental Biology, 2021, 224, . | 1.7 | 2 |
| 7 | Development and validation of HPLC-MS2 methodology for the accurate determination of C4â€“C8 B-type flavanols and procyanidins. Scientific Reports, 2021, 11, 14761. | 3.3 | 3 |
| 8 | Diel Patterns of Pheromone Release by Male Sea Lamprey. Integrative and Comparative Biology, 2021, , . | 2.0 | 1 |
| 9 | Electrochemistry-coupled to liquid chromatography-mass spectrometry-density functional theory as a new tool to mimic the environmental degradation of selected phenylurea herbicides. Environmental Sciences: Processes and Impacts, 2021, 23, 1600-1611. | 3.5 | 4 |
| 10 | Evolution of cocoa flavanol analytics: impact on reporting and cross-study comparison. Food and Function, 2021, 12, 3433-3442. | 4.6 | 6 |
| 11 | Waterborne pheromones modulate gonadotropin-inhibitory hormone levels in sea lamprey (Petromyzon marinus). General and Comparative Endocrinology, 2020, 288, 113358. | 1.8 | 3 |
| 12 | Sea lamprey cardiac mitochondrial bioenergetics after exposure to TFM and its metabolites. Aquatic Toxicology, 2020, 219, 105380. | 4.0 | 17 |
| 13 | Sex-dependent pheromonal effects on steroid hormone levels in sea lampreys (Petromyzon marinus). General and Comparative Endocrinology, 2020, 299, 113608. | 1.8 | 5 |
| 14 | Simulation of the environmental degradation of diuron (herbicide) using electrochemistry coupled to high resolution mass spectrometry. Electrochimica Acta, 2020, 352, 136485. | 5.2 | 18 |
| 15 | Evidence that male sea lamprey increase pheromone release after perceiving a competitor. Journal of Experimental Biology, 2020, 223, . | 1.7 | 8 |
| 16 | Reliable, accessible and transferable method for the quantification of flavanols and procyanidins in foodstuffs and dietary supplements. Food and Function, 2020, 11, 131-138. | 4.6 | 15 |
| 17 | TGFâ€²² Signaling Plays a Pivotal Role During Developmental Biliary Atresia in Sea Lamprey (Petromyzon) Tj ETQq1 1 0.784314 rgBT /O | 4.3 | 6 |
| 18 | American eels produce and release bile acid profiles that vary across life stage. Journal of Fish Biology, 2020, 96, 1024-1033. | 1.6 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | High-stress rearing temperature in Acipenser fulvescens affects physiology, behaviour and predation rates. Animal Behaviour, 2019, 157, 153-165. | 1.9 | 14 |
| 20 | Intra- and Interspecific Variation in Production of Bile Acids That Act as Sex Pheromones in Lampreys. Physiological and Biochemical Zoology, 2019, 92, 463-472. | 1.5 | 10 |
| 21 | Metabolism of a sea lamprey pesticide by fish liver enzymes part A: identification and synthesis of TFM metabolites. Analytical and Bioanalytical Chemistry, 2018, 410, 1749-1761. | 3.7 | 23 |
| 22 | Metabolism of a sea lamprey pesticide by fish liver enzymes part B: method development and application in quantification of TFM metabolites formed in vivo. Analytical and Bioanalytical Chemistry, 2018, 410, 1763-1774. | 3.7 | 23 |
| 23 | High-sensitivity determination of estrogens in fish plasma using chemical derivatization upstream UHPLCâ€“MSMS. Steroids, 2017, 123, 13-19. | 1.8 | 16 |
| 24 | A validated LCâ€“MS/MS method for thyroid hormone determination in sea lamprey (Petromyzon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Biomedical and Life Sciences, 2017, 1041-1042, 77-84. | 2.3 | 14 |
| 25 | Determination of cortisol in lake sturgeon ( Acipenser fulvescens ) eggs by liquid chromatography tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1040, 162-168. | 2.3 | 6 |
| 26 | Increased pheromone signaling by small male sea lamprey has distinct effects on female mate search and courtship. Behavioral Ecology and Sociobiology, 2017, 71, 1. | 1.4 | 15 |
| 27 | Phylogenetic distribution of a male pheromone that may exploit a nonsexual preference in lampreys. Journal of Evolutionary Biology, 2017, 30, 2244-2254. | 1.7 | 11 |
| 28 | Temporal constraints on the potential role of fry odors as cues of past reproductive success for spawning lake trout. Ecology and Evolution, 2017, 7, 10196-10206. | 1.9 | 9 |
| 29 | Quantification of Oxidized and Unsaturated Bile Alcohols in Sea Lamprey Tissues by Ultra-High Performance Liquid Chromatography-Tandem Mass Spectrometry. Molecules, 2016, 21, 1119. | 3.8 | 2 |
| 30 | Application of liquid chromatography-tandem mass spectrometry in quantitative bioanalyses of organic molecules in aquatic environment and organisms. Environmental Science and Pollution Research, 2016, 23, 9459-9479. | 5.3 | 13 |
| 31 | Ultra-performance liquid chromatography tandem mass spectrometry for simultaneous determination of natural steroid hormones in sea lamprey ( Petromyzon marinus ) plasma and tissues. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1009-1010, 170-178. | 2.3 | 11 |
| 32 | Chemical derivatization of neurosteroids for their trace determination in sea lamprey by UPLC-MS/MS. Talanta, 2016, 149, 326-334. | 5.5 | 11 |
| 33 | Hsp90 and hepatobiliary transformation during sea lamprey metamorphosis. BMC Developmental Biology, 2015, 15, 47. | 2.1 | 7 |
| 34 | Unexpected benzimidazole ring formation from a quinoneimide species in the presence of ammonium acetate as supporting electrolyte used in the coupling of electrochemistry with mass spectrometry. Rapid Communications in Mass Spectrometry, 2015, 29, 456-460. | 1.5 | 4 |
| 35 | Recent Advances and Applications of Experimental Technologies in Marine Natural Product Research. Marine Drugs, 2015, 13, 2694-2713. | 4.6 | 31 |
| 36 | iso-Petromyroxols: Novel Dihydroxylated Tetrahydrofuran Enantiomers from Sea Lamprey (Petromyzon marinus). Molecules, 2015, 20, 5215-5222. | 3.8 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | In Situ Ultrafast 2D NMR Spectroelectrochemistry for Real-Time Monitoring of Redox Reactions. Analytical Chemistry, 2015, 87, 372-375. | 6.5 | 55 |
| 38 | Review of advances in coupling electrochemistry and liquid state NMR. Talanta, 2015, 136, 155-160. | 5.5 | 39 |
| 39 | Simultaneous determination of gonadotropin-inhibitory and gonadotropin-releasing hormones using ultra-high performance liquid chromatography electrospray ionization tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2015, 407, 497-507. | 3.7 | 6 |
| 40 | Electrochemistry-mass spectrometry to study reactive drug metabolites and CYP450 simulations. TrAC - Trends in Analytical Chemistry, 2015, 70, 67-73. | 11.4 | 33 |
| 41 | A Quantitative Assay for Reductive Metabolism of a Pesticide in Fish Using Electrochemistry Coupled with Liquid Chromatography Tandem Mass Spectrometry. Environmental Science & Technology, 2015, 49, 4450-4457. | 10.0 | 14 |
| 42 | Quantification of 15 bile acids in lake charr feces by ultra-high performance liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 1001, 27-34. | 2.3 | 16 |
| 43 | (+)- and (â^')-Petromyroxols: Antipodal Tetrahydrofurandiols from Larval Sea Lamprey (Petromyzon) Tj ETQq1 1 0.784314 rgBT /Overlo | 4.6 | 25 |
| 44 | Phase I and phase II reductive metabolism simulation of nitro aromatic xenobiotics with electrochemistry coupled with high resolution mass spectrometry. Analytical and Bioanalytical Chemistry, 2014, 406, 7253-7260. | 3.7 | 28 |
| 45 | Advances in the Electrochemical Simulation of Oxidation Reactions Mediated by Cytochrome P450. Chemical Research in Toxicology, 2014, 27, 1652-1668. | 3.3 | 50 |
| 46 | In situ NMR spectroelectrochemistry for the structure elucidation of unstable intermediate metabolites. Analytical and Bioanalytical Chemistry, 2013, 405, 5817-5824. | 3.7 | 39 |
| 47 | Voltammetry coupled to mass spectrometry in the presence of isotope 18O labeled water for the prediction of oxidative transformation pathways of activated aromatic ethers: Acebutolol. Analytica Chimica Acta, 2013, 762, 39-46. | 5.4 | 17 |
| 48 | NMR spectrometry isotopic fingerprinting: A tool for the manufacturer for tracking Active Pharmaceutical Ingredients from starting materials to final medicines. European Journal of Pharmaceutical Sciences, 2013, 48, 464-473. | 4.0 | 39 |
| 49 | Acebutolol and alprenolol metabolism predictions: comparative study of electrochemical and cytochrome P450-catalyzed reactions using liquid chromatography coupled to high-resolution mass spectrometry. Analytical and Bioanalytical Chemistry, 2013, 405, 6077-6085. | 3.7 | 26 |
| 50 | Understanding the degradation of electrochemically-generated reactive drug metabolites by quantitative NMR. Talanta, 2013, 116, 554-558. | 5.5 | 28 |
| 51 | Electrochemical oxidation behavior of Acebutolol and identification of intermediate species by liquid chromatography and mass spectrometry. Electrochimica Acta, 2012, 69, 351-357. | 5.2 | 35 |
| 52 | Isotopic finger-printing of active pharmaceutical ingredients by 13C NMR and polarization transfer techniques as a tool to fight against counterfeiting. Talanta, 2011, 85, 1909-1914. | 5.5 | 51 |