

Oliver B Sutcliffe

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

2,269
citations

201674

27
h-index

233421

45
g-index

78
all docs

78
docs citations

78
times ranked

2554
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Detection, discrimination and quantification of amphetamine, cathinone and <i>α</i> -ephedrine regioisomers using benchtop ¹ H and ¹⁹ F nuclear magnetic resonance spectroscopy. <i>Magnetic Resonance in Chemistry</i> , 2023, 61, 73-82. | 1.9 | 7 |
| 2 | The metabolism of the synthetic cannabinoids ADB- B UTINACA and ADB- 4 en- P INACA and their detection in forensic toxicology casework and infused papers seized in prisons. <i>Drug Testing and Analysis</i> , 2022, 14, 634-652. | 2.6 | 30 |
| 3 | Guilty by dissociation: Part B: evaluation of Supercritical Fluid Chromatography (SFC-UV) for the analysis of regioisomeric diphenidine-derived Novel Psychoactive Substances (NPS). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 216, 114797. | 2.8 | 4 |
| 4 | Guilty by dissociation: Part A: Development of a rapid Ultra-High Performance Liquid Chromatography (UHPLC)-MS/MS methodology for the analysis of regioisomeric diphenidine-derived Novel Psychoactive Substances (NPS). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 216, 114798. | 2.8 | 2 |
| 5 | Shape matters: The application of activity-based <i>in vitro</i> bioassays and chiral profiling to the pharmacological evaluation of synthetic cannabinoid receptor agonists in drug-infused papers seized in prisons. <i>Drug Testing and Analysis</i> , 2021, 13, 628-643. | 2.6 | 28 |
| 6 | Origami chips: Development and validation of a paper-based Lab-on-a-Chip device for the rapid and cost-effective detection of 4-methylmethcathinone (mephedrone) and its metabolite, 4-methylephedrine in urine. <i>Forensic Chemistry</i> , 2021, 22, 100293. | 2.8 | 11 |
| 7 | Fast & fluorinated – Development and validation of a rapid benchtop NMR approach and other routine screening methods for the detection and quantification of synthesized fluorofentanyl derivatives. <i>Forensic Chemistry</i> , 2021, 23, 100321. | 2.8 | 9 |
| 8 | Hyperpolarisation of Mirfentanil by SABRE in the Presence of Heroin. <i>ChemPhysChem</i> , 2021, 22, 1059-1064. | 2.1 | 2 |
| 9 | The impact of the 2016 Psychoactive Substances Act on synthetic cannabinoid use within the homeless population: Markets, content and user harms. <i>International Journal of Drug Policy</i> , 2021, 97, 103305. | 3.3 | 14 |
| 10 | Synthesis, characterisation, detection and quantification of a novel hexyl-substituted synthetic cannabinoid receptor agonist: (S)-N-(1-amino-3,3-dimethyl-1-oxobutan-2-yl)-1-hexyl-1H-indazole-3-carboxamide (ADB-HINACA). <i>Forensic Chemistry</i> , 2021, 26, 100354. | 2.8 | 8 |
| 11 | Lab-on-a-Chip approaches for the detection of controlled drugs, including new psychoactive substances: A systematic review. <i>Forensic Chemistry</i> , 2021, 26, 100370. | 2.8 | 6 |
| 12 | Classification of fentanyl analogues through principal component analysis (PCA) and hierarchical clustering of GC-MS data. <i>Forensic Chemistry</i> , 2020, 21, 100287. | 2.8 | 27 |
| 13 | Quantification of MDMA in seized tablets using benchtop ¹ H NMR spectroscopy in the absence of internal standards. <i>Forensic Chemistry</i> , 2020, 20, 100263. | 2.8 | 20 |
| 14 | Hitting the Jackpot – development of gas chromatography-mass spectrometry (GC-MS) and other rapid screening methods for the analysis of 18 fentanyl-derived synthetic opioids. <i>Drug Testing and Analysis</i> , 2020, 12, 798-811. | 2.6 | 24 |
| 15 | Benchtop NMR analysis of piperazine-based drugs hyperpolarised by SABRE. <i>Magnetic Resonance in Chemistry</i> , 2020, 58, 1151-1159. | 1.9 | 8 |
| 16 | Detection and quantitation of synthetic cannabinoid receptor agonists in infused papers from prisons in a constantly evolving illicit market. <i>Drug Testing and Analysis</i> , 2020, 12, 538-554. | 2.6 | 61 |
| 17 | Hyperpolarization of Pyridyl Fentalogues by Signal Amplification By Reversible Exchange (SABRE). <i>ChemistryOpen</i> , 2019, 8, 1375-1382. | 1.9 | 8 |
| 18 | Quick Test for Determination of N-Bombs (Phenethylamine Derivatives, NBOMe) Using High-Performance Liquid Chromatography: A Comparison between Photodiode Array and Amperometric Detection. <i>ACS Omega</i> , 2019, 4, 14439-14450. | 3.5 | 14 |

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|----|--|------|-----------|
| 19 | Analytical determination of heroin, fentanyl and fentalogues using high-performance liquid chromatography with diode array and amperometric detection. <i>Analytical Methods</i> , 2019, 11, 1053-1063. | 2.7 | 30 |
| 20 | Forensic Electrochemistry: The Electroanalytical Sensing of Mephedrone Metabolites. <i>ACS Omega</i> , 2019, 4, 1947-1954. | 3.5 | 30 |
| 21 | Rapid Detection and Quantification of Novel Psychoactive Substances (NPS) Using Raman Spectroscopy and Surface-Enhanced Raman Scattering. <i>Frontiers in Chemistry</i> , 2019, 7, 412. | 3.6 | 32 |
| 22 | Enantiospecific Synthesis, Chiral Separation, and Biological Activity of Four Indazole-3-Carboxamide-Type Synthetic Cannabinoid Receptor Agonists and Their Detection in Seized Drug Samples. <i>Frontiers in Chemistry</i> , 2019, 7, 321. | 3.6 | 48 |
| 23 | Rapid Identification of Novel Psychoactive and Other Controlled Substances Using Low-Field ^1H NMR Spectroscopy. <i>ACS Omega</i> , 2019, 4, 7103-7112. | 3.5 | 41 |
| 24 | Chromatographic retention behaviour, modelling and optimization of a UHPLC-UV separation of the regioisomers of the Novel Psychoactive Substance (NPS) methoxphenidine (MXP). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 153, 238-247. | 2.8 | 11 |
| 25 | Chemical synthesis, characterisation and in vitro and in vivo metabolism of the synthetic opioid MT-45 and its newly identified fluorinated analogue 2F-MT-45 with metabolite confirmation in urine samples from known drug users. <i>Forensic Toxicology</i> , 2018, 36, 359-374. | 2.4 | 26 |
| 26 | Engineering molecularly imprinted polymers (MIPs) for the selective extraction and quantification of the novel psychoactive substance (NPS) methoxphenidine and its regioisomers. <i>Analyst</i> , The, 2018, 143, 2002-2007. | 3.5 | 17 |
| 27 | Development of a novel flexible polymer-based biosensor platform for the thermal detection of noradrenaline in aqueous solutions. <i>Chemical Engineering Journal</i> , 2017, 315, 459-468. | 12.7 | 53 |
| 28 | Ball mill and microwave assisted synthetic routes to Fluoxetine. <i>Sustainable Chemistry and Pharmacy</i> , 2017, 5, 14-21. | 3.3 | 10 |
| 29 | Inhibitory Kappa B Kinase $\hat{\pm}$ (IKK $\hat{\pm}$) Inhibitors That Recapitulate Their Selectivity in Cells against Isoform-Related Biomarkers. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 7043-7066. | 6.4 | 23 |
| 30 | Guilty by dissociation—development of gas chromatography—mass spectrometry (GC-MS) and other rapid screening methods for the analysis of 13 diphenidine-derived new psychoactive substances (NPSs). <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8467-8481. | 3.7 | 27 |
| 31 | Forensic electrochemistry: simultaneous voltammetric detection of MDMA and its fatal counterpart $\hat{\alpha}$ -Dr Death $\hat{\alpha}$ -(PMA). <i>Analytical Methods</i> , 2016, 8, 142-152. | 2.7 | 51 |
| 32 | An overview of recent developments in the analytical detection of new psychoactive substances (NPSs). <i>Analyst</i> , The, 2015, 140, 4932-4948. | 3.5 | 120 |
| 33 | The ecstasy and the agony; compression studies of 3,4-methylenedioxymethamphetamine (MDMA). <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2015, 71, 3-9. | 1.1 | 13 |
| 34 | Regal electrochemistry: sensing of the synthetic cathinone class of new psychoactive substances (NPSs). <i>Analytical Methods</i> , 2015, 7, 6470-6474. | 2.7 | 33 |
| 35 | Detection and quantification of new psychoactive substances (NPSs) within the evolved $\hat{\alpha}$ -legal high $\hat{\alpha}$ product, NRG-2, using high performance liquid chromatography-amperometric detection (HPLC-AD). <i>Analyst</i> , The, 2015, 140, 6283-6294. | 3.5 | 20 |
| 36 | Forensic electrochemistry: indirect electrochemical sensing of the components of the new psychoactive substance $\hat{\alpha}$ -Synthacaine $\hat{\alpha}$. <i>Analyst</i> , The, 2015, 140, 5536-5545. | 3.5 | 27 |

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|----|---|-----|-----------|
| 37 | Chromatographic and spectroscopic analysis of the components present in the phenanthridinium trypanocidal agent isometamidium. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1171-1180. | 3.7 | 4 |
| 38 | Metallic Impurities in Graphene Screen-Printed Electrodes Can Influence Their Electrochemical Properties. <i>Electroanalysis</i> , 2014, 26, 2429-2433. | 2.9 | 17 |
| 39 | Putting the squeeze on mephedrone hydrogen sulfate. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2014, 229, . | 0.8 | 4 |
| 40 | Forensic electrochemistry: the electroanalytical sensing of synthetic cathinone-derivatives and their accompanying adulterants in "legal high" products. <i>Analyst</i> , The, 2014, 139, 389-400. | 3.5 | 71 |
| 41 | Development of gas chromatography-mass spectrometry (GC-MS) and other rapid screening methods for the analysis of 16 "legal high" cathinone derivatives. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2014, 54, 22-31. | 2.1 | 34 |
| 42 | Drug solid solutions " a method for tuning phase transformations. <i>CrystEngComm</i> , 2014, 16, 5827-5831. | 2.6 | 29 |
| 43 | Forensic Electrochemistry Applied to the Sensing of New Psychoactive Substances: Electroanalytical Sensing of Synthetic Cathinones and Analytical Validation in the Quantification of Seized Street Samples. <i>Analytical Chemistry</i> , 2014, 86, 9985-9992. | 6.5 | 76 |
| 44 | A Comparison of Silica C and Silica Gel in HILIC Mode: The Effect of Stationary Phase Surface Area. <i>Chromatographia</i> , 2014, 77, 873-881. | 1.3 | 11 |
| 45 | Amide Coupling Reaction for the Synthesis of Bispyridine-based Ligands and Their Complexation to Platinum as Dinuclear Anticancer Agents. <i>Journal of Visualized Experiments</i> , 2014, , . | 0.3 | 1 |
| 46 | Animal trypanosomosis: making quality control of trypanocidal drugs possible. <i>OIE Revue Scientifique Et Technique</i> , 2014, 33, 813-830. | 1.2 | 18 |
| 47 | Forensic electrochemistry: the electroanalytical sensing of Rohypnol® (flunitrazepam) using screen-printed graphite electrodes without recourse for electrode or sample pre-treatment. <i>Analyst</i> , The, 2013, 138, 6185. | 3.5 | 71 |
| 48 | Elucidation of the Phase I and Phase II metabolic pathways of (±)-4-methylmethcathinone (4-MMC) and (±)-4-(trifluoromethyl)methcathinone (4-TFMMC) in rat liver hepatocytes using LC-MS and LC-MS2. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 72, 177-185. | 2.8 | 45 |
| 49 | A Validated Stability-Indicating HPLC Method for Routine Analysis of an Injectable Lincomycin and Spectinomycin Formulation. <i>Scientia Pharmaceutica</i> , 2012, 80, 977-986. | 2.0 | 10 |
| 50 | A comparison of the chromatographic properties of silica gel and silicon hydride modified silica gels. <i>Journal of Chromatography A</i> , 2012, 1263, 61-67. | 3.7 | 23 |
| 51 | Combining aspects of the platinum anticancer drugs picoplatin and BBR3464 to synthesize a new family of sterically hindered dinuclear complexes; their synthesis, binding kinetics and cytotoxicity. <i>Dalton Transactions</i> , 2012, 41, 11330. | 3.3 | 25 |
| 52 | Doing the methylene shuffle " Further insights into the inhibition of mitotic kinesin Eg5 with S-trityl l-cysteine. <i>European Journal of Medicinal Chemistry</i> , 2012, 54, 483-498. | 5.5 | 20 |
| 53 | Triphenylbutanamines: Kinesin Spindle Protein Inhibitors with in Vivo Antitumor Activity. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 1511-1525. | 6.4 | 37 |
| 54 | Using Isotopic Fractionation to Link Precursor to Product in the Synthesis of (±)-Mephedrone: A New Tool for Combating "Legal High" Drugs. <i>Analytical Chemistry</i> , 2012, 84, 8691-8696. | 6.5 | 12 |

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|----|---|-----|-----------|
| 55 | Synthesis, full chemical characterisation and development of validated methods for the quantification of the components found in the evolved "legal high" NRG-2. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 61, 122-135. | 2.8 | 23 |
| 56 | Manganese dioxide mediated one-pot synthesis of methyl 9 <i>H</i> -pyrido[3,4- <i>b</i>]indole-1-carboxylate: Concise synthesis of alangiobussinine. <i>Beilstein Journal of Organic Chemistry</i> , 2011, 7, 1407-1411. | 2.2 | 12 |
| 57 | Structure-Activity Relationship for the First-Class Clinical Steroid Sulfatase Inhibitor Irosustat (STX64, BN83495). <i>ChemMedChem</i> , 2011, 6, 2019-2034. | 3.2 | 57 |
| 58 | Synthesis, full chemical characterisation and development of validated methods for the quantification of (±)-4-methylmethcathinone (mephedrone): A new "legal high". <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 246-255. | 2.8 | 51 |
| 59 | Evaluation of anionic half generation 3.5-6.5 poly(amidoamine) dendrimers as delivery vehicles for the active component of the anticancer drug cisplatin. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 1115-1122. | 3.5 | 89 |
| 60 | The Drug Discovery Portal: A Computational Platform for Identifying Drug Leads from Academia. <i>Current Pharmaceutical Design</i> , 2010, 16, 1697-1702. | 1.9 | 3 |
| 61 | Microwave synthesis of cucurbit[<i>n</i>]urils. <i>Future Medicinal Chemistry</i> , 2010, 2, 231-236. | 2.3 | 19 |
| 62 | Synthesis of Aromatase Inhibitors and Dual Aromatase Steroid Sulfatase Inhibitors by Linking an Arylsulfamate Motif to 4-(1,2,4-triazol-4-ylamino)benzotrile: SAR, Crystal Structures, <i>in vivo</i> and <i>in vivo</i> Activities. <i>ChemMedChem</i> , 2008, 3, 1708-1730. | 2.0 | 25 |
| 63 | A New Therapeutic Strategy against Hormone-Dependent Breast Cancer: The Preclinical Development of a Dual Aromatase and Sulfatase Inhibitor. <i>Clinical Cancer Research</i> , 2008, 14, 6469-6477. | 7.0 | 37 |
| 64 | Dual Aromatase-Steroid Sulfatase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 3540-3560. | 6.4 | 75 |
| 65 | First Crystal Structures of Human Carbonic Anhydrase II in Complex with Dual Aromatase-Steroid Sulfatase Inhibitors. <i>Biochemistry</i> , 2005, 44, 6858-6866. | 2.5 | 42 |
| 66 | Planar Chiral 2-Ferrocenyloxazolines and 1,1-bis(oxazoliny)ferrocenes Syntheses and Applications in Asymmetric Catalysis. <i>ChemInform</i> , 2003, 34, no. | 0.0 | 0 |
| 67 | Planar chiral 2-ferrocenyloxazolines and 1,1-bis(oxazoliny)ferrocenes syntheses and applications in asymmetric catalysis. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 2297-2325. | 1.8 | 220 |
| 68 | First Dual Aromatase-Steroid Sulfatase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 3193-3196. | 6.4 | 76 |
| 69 | Synthesis of novel chiral bis(ferrocenyl) ligands and their use as voltammetric metal cation sensors. <i>Journal of Organometallic Chemistry</i> , 2002, 656, 211-216. | 1.8 | 32 |
| 70 | Voltammetric metal cation sensors based on ferrocene derivatives with oxazoline and imine substituents. <i>Journal of Organometallic Chemistry</i> , 2001, 637-639, 134-138. | 1.8 | 26 |
| 71 | Azafulvenium methides: new extended dipolar systems. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 1795-1806. | 1.3 | 31 |
| 72 | Cycloadditions to Pyrrolo[1,2- <i>c</i>]thiazoles and Pyrazolo[1,5- <i>c</i>]thiazoles. <i>Tetrahedron</i> , 2000, 56, 10011-10021. | 1.9 | 25 |

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| 73 | Azafulvenium methides: new extended dipolar systems. <i>Chemical Communications</i> , 2000, , 675-676. | 4.1 | 23 |