

# Terence S M Wan

## List of Publications by Year in descending order

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75  
papers

1,900  
citations

218381

26  
h-index

276539

41  
g-index

75  
all docs

75  
docs citations

75  
times ranked

1571  
citing authors

#	ARTICLE	IF	CITATIONS
1	Production, Isolation, and Electronic Properties of Missing Fullerenes: $\text{Ca}@C_{72}$ and $\text{Ca}@C_{74}$ . <i>Journal of the American Chemical Society</i> , 1998, 120, 6806-6807.	6.6	138
2	Comprehensive screening of anabolic steroids, corticosteroids, and acidic drugs in horse urine by solid-phase extraction and liquid chromatography–mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1120, 38-53.	1.8	99
3	Synthesis and Properties of the First Acetylene Derivatives of $C_{60}$ . <i>Journal of Organic Chemistry</i> , 1994, 59, 6101-6102.	1.7	94
4	Chiral Analysis by Electrospray Ionization Mass Spectrometry/Mass Spectrometry. 1. Chiral Recognition of 19 Common Amino Acids. <i>Analytical Chemistry</i> , 2000, 72, 5383-5393.	3.2	90
5	Screening of anabolic steroids in horse urine by liquid chromatography–tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 37, 1031-1038.	1.4	73
6	Synthesis of $\beta$ -Mono-, Tetra-, and Octasubstituted Sterically Bulky Porphyrins via Suzuki Cross Coupling. <i>Journal of Organic Chemistry</i> , 1996, 61, 3590-3593.	1.7	66
7	Separation of basic drugs with non-aqueous capillary electrophoresis. <i>Journal of Chromatography A</i> , 1996, 738, 141-154.	1.8	57
8	Analysis of corticosteroids in equine urine by liquid chromatography–mass spectrometry. <i>Biomedical Applications</i> , 2001, 754, 229-244.	1.7	56
9	Synthesis and properties of dialkyl derivatives of di[60]fullerenylbutadiyne and di[60]fullerenylacetylene: the bucky dumbbells. <i>Tetrahedron Letters</i> , 1996, 37, 6153-6156.	0.7	50
10	Doping control analysis of recombinant human erythropoietin, darbepoetin alfa and methoxy polyethylene glycol-epoetin beta in equine plasma by nano-liquid chromatography–tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 2513-2521.	1.9	48
11	Comprehensive screening of acidic and neutral drugs in equine plasma by liquid chromatography–tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1189, 426-434.	1.8	47
12	Detection of endogenous boldenone in the entire male horses. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 808, 287-294.	1.2	46
13	Detection of anti-diabetics in equine plasma and urine by liquid chromatography–tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 811, 65-73.	1.2	43
14	Doping control analysis of insulin and its analogues in equine plasma by liquid chromatography–tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1201, 183-190.	1.8	42
15	Chiral recognition of amino acids by electrospray ionisation mass spectrometry/mass spectrometry. <i>Chemical Communications</i> , 1999, , 2119-2120.	2.2	41
16	Doping control analysis of insulin and its analogues in equine urine by liquid chromatography–tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 1139-1146.	1.8	40
17	Controlling the misuse of cobalt in horses. <i>Drug Testing and Analysis</i> , 2015, 7, 21-30.	1.6	38
18	Rapid analysis of fatty acid-binding proteins with immunosensors and immunotests for early monitoring of tissue injury. <i>Biosensors and Bioelectronics</i> , 2005, 20, 2566-2580.	5.3	36

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19	Rapid screening of anabolic steroids in horse urine with ultra-high-performance liquid chromatography/tandem mass spectrometry after chemical derivatisation. <i>Journal of Chromatography A</i> , 2012, 1232, 257-265.	1.8	35
20	Doping control analyses in horseracing: A clinician's guide. <i>Veterinary Journal</i> , 2014, 200, 8-16.	0.6	35
21	High throughput screening of sub-ppb levels of basic drugs in equine plasma by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1156, 271-279.	1.8	34
22	High-throughput screening of corticosteroids and basic drugs in horse urine by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 825, 47-56.	1.2	33
23	Doping control analysis of seven bioactive peptides in horse plasma by liquid chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2595-2606.	1.9	31
24	Synthesis of a propargyl alcohol having a C60 cage, its transformation into C60 derivatives with polar functional groups, and the solubility measurements. <i>Tetrahedron</i> , 1998, 54, 2049-2058.	1.0	30
25	Doping control analysis of TB-500, a synthetic version of an active region of thymosin $\beta$ 4, in equine urine and plasma by liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2012, 1265, 57-69.	1.8	30
26	Screening of drugs in equine plasma using automated on-line solid-phase extraction coupled with liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2010, 1217, 3289-3296.	1.8	28
27	Metabolic studies of mesterolone in horses. <i>Analytica Chimica Acta</i> , 2007, 596, 149-155.	2.6	26
28	High resolution accurate mass screening of prohibited substances in equine plasma using liquid chromatography Orbitrap mass spectrometry. <i>Drug Testing and Analysis</i> , 2013, 5, 509-528.	1.6	25
29	Doping control analysis of 46 polar drugs in horse plasma and urine using a dilute-and-shoot ultra high performance liquid chromatography-high resolution mass spectrometry approach. <i>Journal of Chromatography A</i> , 2016, 1451, 41-49.	1.8	25
30	A broad-spectrum equine urine screening method for free and enzyme-hydrolysed conjugated drugs with ultra performance liquid chromatography/tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2011, 697, 48-60.	2.6	24
31	Metabolic studies of methenolone acetate in horses. <i>Analytica Chimica Acta</i> , 2005, 540, 111-119.	2.6	23
32	<i>In vitro</i> metabolic studies using homogenized horse liver in place of horse liver microsomes. <i>Drug Testing and Analysis</i> , 2011, 3, 393-399.	1.6	20
33	Screening of over 100 drugs in horse urine using automated on-line solid-phase extraction coupled to liquid chromatography-high resolution mass spectrometry for doping control. <i>Journal of Chromatography A</i> , 2017, 1490, 89-101.	1.8	20
34	Detection of seventy-two anabolic and androgenic steroids and/or their esters in horse hair using ultra-high performance liquid chromatography-high resolution mass spectrometry in multiplexed targeted MS2 mode and gas chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2018, 1566, 51-63.	1.8	20
35	Unusual observations during steroid analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 682-686.	0.7	19
36	Detection of singly- and doubly-charged quaternary ammonium drugs in equine urine by liquid chromatography/tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2012, 710, 94-101.	2.6	19

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37	A duplex qPCR assay for human erythropoietin (EPO) transgene to control gene doping in horses. <i>Drug Testing and Analysis</i> , 2021, 13, 113-121.	1.6	19
38	Reaction of C60 with Chlorophenyldiazirine. Spectral and Electronic Properties of the C60-Chlorophenylcarbene 1:1 Adduct. <i>Chemistry Letters</i> , 1993, 22, 2163-2166.	0.7	18
39	A bottom-up approach in estimating the measurement uncertainty and other important considerations for quantitative analyses in drug testing for horses. <i>Journal of Chromatography A</i> , 2007, 1163, 237-246.	1.8	17
40	Liquid chromatography–mass spectrometry analysis of five bisphosphonates in equine urine and plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 998-999, 1-7.	1.2	17
41	Targeted Metabolomics Approach To Detect the Misuse of Steroidal Aromatase Inhibitors in Equine Sports by Biomarker Profiling. <i>Analytical Chemistry</i> , 2016, 88, 764-772.	3.2	16
42	Doping control analysis of 121 prohibited substances in equine hair by liquid chromatography–tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 158, 189-203.	1.4	16
43	<i>In vitro</i> and <i>in vivo</i> studies of androst-4-ene-3,6,17-trione in horses by gas chromatography–mass spectrometry. <i>Biomedical Chromatography</i> , 2010, 24, 744-751.	0.8	15
44	High Pressure Synthesis of Cycloadduct of Fullerene C <sub>60</sub> with 2-H-Pyran-2-one. <i>Synthetic Communications</i> , 1997, 27, 1475-1482.	1.1	13
45	Identification of cryptorchidism in horses by analysing urine samples with gas chromatography/mass spectrometry. <i>Veterinary Journal</i> , 2011, 187, 60-64.	0.6	12
46	Metabolic studies of formestane in horses. <i>Drug Testing and Analysis</i> , 2013, 5, 412-419.	1.6	12
47	Interlaboratory trial for the measurement of total cobalt in equine urine and plasma by ICP–MS. <i>Drug Testing and Analysis</i> , 2017, 9, 1400-1406.	1.6	12
48	Doping control analysis of anabolic steroids in equine urine by gas chromatography–tandem mass spectrometry. <i>Drug Testing and Analysis</i> , 2017, 9, 1320-1327.	1.6	10
49	Detection of bioactive peptides including gonadotrophin-releasing factors (GnRHs) in horse urine using ultra-high performance liquid chromatography–high resolution mass spectrometry (UHPLC/HRMS). <i>Drug Testing and Analysis</i> , 2020, 12, 1274-1286.	1.6	10
50	Control of the misuse of testosterone in castrated horses based on an international threshold in plasma. <i>Drug Testing and Analysis</i> , 2015, 7, 414-419.	1.6	9
51	Generation of phase II <i>in vitro</i> metabolites using homogenized horse liver. <i>Drug Testing and Analysis</i> , 2016, 8, 241-247.	1.6	9
52	Optimization and implementation of four duplex quantitative polymerase chain reaction assays for gene doping control in horseracing. <i>Drug Testing and Analysis</i> , 2022, 14, 1587-1598.	1.6	9
53	Metabolic studies of testosterone in horses. <i>Drug Testing and Analysis</i> , 2013, 5, 81-88.	1.6	8
54	Simultaneous detection of xenon and krypton in equine plasma by gas chromatography–tandem mass spectrometry for doping control. <i>Drug Testing and Analysis</i> , 2017, 9, 317-322.	1.6	8

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55	Detection of <i>myo</i> -inositol trispyrophosphate in equine urine and plasma by hydrophilic interaction chromatography-tandem mass spectrometry. <i>Drug Testing and Analysis</i> , 2012, 4, 355-361.	1.6	7
56	Chemical Transformation of C60. Addition of Carbenes and Cycloaddition of Anthracene. <i>Fullerenes, Nanotubes, and Carbon Nanostructures</i> , 1993, 1, 231-238.	0.6	6
57	Solid phase extraction as a simple method for the enrichment of endohedral metallofullerenes. <i>Tetrahedron Letters</i> , 1996, 37, 9249-9252.	0.7	6
58	Control of the misuse of bromide in horses. <i>Drug Testing and Analysis</i> , 2010, 2, 323-329.	1.6	6
59	Doping control analysis of lithium in horse urine and plasma by inductively coupled plasma mass spectrometry. <i>Drug Testing and Analysis</i> , 2017, 9, 1407-1411.	1.6	6
60	Evidence of boldenone, nandrolone, 5(10)-estrene- $\beta$ ,17 $\alpha$ -diol and 4-estrene- $\beta$ ,17 $\alpha$ -dione as minor metabolites of testosterone in equine. <i>Drug Testing and Analysis</i> , 2017, 9, 1337-1348.	1.6	6
61	Label-free Proteomics for Discovering Biomarker Candidates for Controlling Krypton Misuse in Castrated Horses (Geldings). <i>Journal of Proteome Research</i> , 2020, 19, 1196-1208.	1.8	6
62	Label-free proteomics for discovering biomarker candidates of RAD140 administration to castrated horses. <i>Drug Testing and Analysis</i> , 2021, 13, 1034-1047.	1.6	6
63	Metabolic studies of selective androgen receptor modulators RAD140 and S $\alpha$ 23 in horses. <i>Drug Testing and Analysis</i> , 2021, 13, 318-337.	1.6	6
64	<i>In vitro</i> phase I metabolism of selective estrogen receptor modulators in horse using ultra-high performance liquid chromatography-high resolution mass spectrometry. <i>Drug Testing and Analysis</i> , 2017, 9, 1349-1362.	1.6	5
65	Identification of recombinant human relaxin $\alpha$ 2 in equine plasma by liquid chromatography-high resolution mass spectrometry. <i>Drug Testing and Analysis</i> , 2013, 5, 627-633.	1.6	4
66	<i>In vitro</i> metabolism studies of desoxy-methyltestosterone (DMT) and its five analogues, and <i>in vivo</i> metabolism of desoxy-vinyltestosterone (DVT) in horses. <i>Journal of Mass Spectrometry</i> , 2015, 50, 994-1005.	0.7	4
67	Tiludronic acid can be detected in blood and urine samples from Thoroughbred racehorses over 3 years after last administration. <i>Equine Veterinary Journal</i> , 2021, 53, 1287-1295.	0.9	4
68	A high-throughput and broad-spectrum screening method for analysing over 120 drugs in horse urine using liquid chromatography-high resolution mass spectrometry. <i>Drug Testing and Analysis</i> , 2020, 12, 900-917.	1.6	4
69	Application of a non-target variable data independent workflow (vDIA) for the screening of prohibited substances in doping control testing. <i>Drug Testing and Analysis</i> , 2021, 13, 1008-1033.	1.6	4
70	Identification of porcine relaxin in plasma by liquid chromatography-high resolution mass spectrometry. <i>Drug Testing and Analysis</i> , 2017, 9, 1412-1420.	1.6	3
71	Doping control study of AICAR in post-race urine and plasma samples from horses. <i>Drug Testing and Analysis</i> , 2017, 9, 1363-1371.	1.6	2
72	Administration study of recombinant human relaxin $\alpha$ 2 in horse for doping control purpose. <i>Drug Testing and Analysis</i> , 2020, 12, 361-370.	1.6	2

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73	Interconversion of ephedrine and pseudoephedrine during chemical derivatization. Drug Testing and Analysis, 2012, 4, 1028-1033.	1.6	1
74	Responses to Commentary on Paper: "Controlling the misuse of cobalt in horses". Drug Testing and Analysis, 2016, 8, 882-884.	1.6	1
75	Doping control analysis of total arsenic in equine plasma. Drug Testing and Analysis, 2020, 12, 1462-1469.	1.6	0