Shanlin Fu

List of Publications by Year
in descending order

111 papers	4,945 citations	212478 28 h-index	104191 69 g-index
116 all docs	116 docs citations	116 times ranked	5428 citing authors

#	Article	IF	Citations
1	Isolation and identification of an isomeric sildenafil analogue as an adulterant in an instant coffee premix. Forensic Sciences Research, 2022, 7, 290-298.	0.9	1
2	Developments in high-resolution mass spectrometric analyses of new psychoactive substances. Archives of Toxicology, 2022, 96, 949-967.	1.9	12
3	Comparison between human liver microsomes and the fungus Cunninghamella elegans for biotransformation of the synthetic cannabinoid JWH-424 having a bromo-naphthyl moiety analysed by high-resolution mass spectrometry. Forensic Toxicology, 2022, 40, 278-288.	1.4	2
4	Metabolomics in clinical and forensic toxicology, sports antiâ€doping and veterinary residues. Drug Testing and Analysis, 2022, 14, 794-807.	1.6	14
5	Measurements of hydrocortisone and cortisone for longitudinal profiling of equine plasma by liquid chromatographyâ€“tandem mass spectrometry. Drug Testing and Analysis, 2022, , .	1.6	6
6	Intelligence benefit of the 3â€methoxytyramine to tyramine ratio in equine urine. Drug Testing and Analysis, 2022, , .	1.6	3
7	Portable testing techniques for the analysis of drug materials. Wiley Interdisciplinary Reviews Forensic Science, 2022, 4, .	1.2	7
8	Comparison of commercial surfaceâ€enhanced Raman spectroscopy substrates for the analysis of cocaine. Drug Testing and Analysis, 2021, 13, 944-952.	1.6	13
9	Finding the proverbial needle: Nonâ€targeted screening of synthetic opioids in equine plasma. Drug Testing and Analysis, 2021, 13, 977-989.	1.6	6
10	Development and validation of a color spot test method for the presumptive detection of 25â€NBOMe compounds. Drug Testing and Analysis, 2021, 13, 929-943.	1.6	5
11	Fluorescence polarisation for highâ€throughput screening of adulterated food products via phosphodiesterase 5 inhibition assay. Drug Testing and Analysis, 2021, 13, 953-964.	1.6	4
12	Towards compound identification of synthetic opioids in nontargeted screening using machine learning techniques. Drug Testing and Analysis, 2021, 13, 990-1000.	1.6	5
13	Cerebrospinal fluid metabolites in tryptophanâ€kynurenine and nitric oxide pathways: biomarkers for acute neuroinflammation. Developmental Medicine and Child Neurology, 2021, 63, 552-559.	1.1	15
14	Application of Plasma-Printed Paper-Based SERS Substrate for Cocaine Detection. Sensors, 2021, 21, 810.	2.1	23
15	Towards an untargeted mass spectrometric approach for improved screening in equine antidoping. Drug Testing and Analysis, 2021, 13, 1001-1007.	1.6	3
16	Liquid chromatography-high-resolution mass spectrometry analysis of erectile dysfunction drugs and their analogues in food products. Forensic Science International, 2021, 322, 110748.	1.3	3
17	Application of Q-TOFâ€“MS based metabonomics techniques to analyze the plasma metabolic profile changes on rats following death due to acute intoxication of phorate. International Journal of Legal Medicine, 2021, 135, 1437-1447.	1.2	0
18	A label-free Exonuclease I-assisted fluorescence aptasensor for highly selective and sensitive detection of silver ions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 260, 119927.	2.0	11

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19	Cerebrospinal fluid metabolomics: detection of neuroinflammation in human central nervous system disease. Clinical and Translational Immunology, 2021, 10, e1318.	1.7	30
20	Suspectedâ€targeted and nonâ€targeted screenings of phosphodiesterase 5 inhibitors in herbal remedies using liquid chromatographyâ€“quadrupole timeâ€ofâ€flightâ€“mass spectrometry. Drug Testing and Analysis, 2021, 13, 965-976.	1.6	2
21	Monitoring metabolism of synthetic cannabinoid 4F-MDMB-BINACA via high-resolution mass spectrometry assessed in cultured hepatoma cell line, fungus, liver microsomes and confirmed using urine samples. Forensic Toxicology, 2021, 39, 198-212.	1.4	10
22	Monodisperse silica nanoparticle suspension for developing latent blood fingermarks. Forensic Sciences Research, 2020, 5, 38-46.	0.9	9
23	Identification of Unique 4-Methylmethcathinone (4-MMC) Degradation Markers in Putrefied Matricesâ€. Journal of Analytical Toxicology, 2020, 44, 803-810.	1.7	1
24	Synthetic Cathinones Induce Cell Death in Dopaminergic SH-SY5Y Cells via Stimulating Mitochondrial Dysfunction. International Journal of Molecular Sciences, 2020, 21, 1370.	1.8	21
25	Collision-Induced Dissociation Studies of Synthetic Opioids for Non-targeted Analysis. Frontiers in Chemistry, 2019, 7, 331.	1.8	16
26	Data on the optimisation and validation of a liquid chromatography-high-resolution mass spectrometry (LC-HRMS) to establish the presence of phosphodiesterase 5 (PDE5) inhibitors in instant coffee premixes. Data in Brief, 2019, 25, 104234.	0.5	7
27	8-Chloroadenosine induces apoptosis in human coronary artery endothelial cells through the activation of the unfolded protein response. Redox Biology, 2019, 26, 101274.	3.9	21
28	Editorial: Advances in Analytical Methods for Drugs of Abuse Testing. Frontiers in Chemistry, 2019, 7, 589.	1.8	4
29	Determination of phosphodiesterase 5 (PDE5) inhibitors in instant coffee premixes using liquid chromatography-high-resolution mass spectrometry (LC-HRMS). Talanta, 2019, 204, 36-43.	2.9	16
30	How Do People Try to Beat Drugs Test? Effects of Synthetic Urine, Substituted Urine, Diluted Urine, and In Vitro Urinary Adulterants on Drugs of Abuse Testing. , 2019, , 359-389.		3
31	Application of Raman spectroscopy in the detection of cocaine in food matrices. Australian Journal of Forensic Sciences, 2019, 51, 209-219.	0.7	10
32	Color Spot Test As a Presumptive Tool for the Rapid Detection of Synthetic Cathinones. Journal of Visualized Experiments, 2018, , .	0.2	2
33	Therapeutic Effects of Prolonged Cannabidiol Treatment on Psychological Symptoms and Cognitive Function in Regular Cannabis Users: A Pragmatic Open-Label Clinical Trial. Cannabis and Cannabinoid Research, 2018, 3, 21-34.	1.5	93
34	Structural Elucidation of Metabolites of Synthetic Cannabinoid UR-144 by Cunninghamella elegans Using Nuclear Magnetic Resonance (NMR) Spectroscopy. AAPS Journal, 2018, 20, 42.	2.2	13
35	A review of chemical â€˜spotâ€™ tests: A presumptive illicit drug identification technique. Drug Testing and Analysis, 2018, 10, 95-108.	1.6	87
36	Development of a quantitative method for the analysis of cocaine analogue impregnated into textiles by Raman spectroscopy. Drug Testing and Analysis, 2018, 10, 761-767.	1.6	7

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37	Color Tests for the Preliminary Identification of New Psychoactive Substances. Methods in Molecular Biology, 2018, 1810, 1-11.	0.4	0
38	In vitro metabolism of synthetic cannabinoid AM1220 by human liver microsomes and Cunninghamella elegans using liquid chromatography coupled with high resolution mass spectrometry. Forensic Toxicology, 2018, 36, 435-446.	1.4	14
39	Characterization of hallucinogenic phenethylamines using highâ€resolution mass spectrometry for nonâ€targeted screening purposes. Drug Testing and Analysis, 2017, 9, 1620-1629.	1.6	24
40	Catalytic oxidant scavenging by selenium-containing compounds: Reduction of selenoxides and N-chloramines by thiols and redox enzymes. Redox Biology, 2017, 12, 872-882.	3.9	29
41	Metabolic Profile of Synthetic Cannabinoids 5F-PB-22, PB-22, XLR-11 and UR-144 by Cunninghamella elegans. AAPS Journal, 2017, 19, 1148-1162.	2.2	20
42	Ultrasound-assisted low-density solvent dispersive liquidâ€“liquid microextraction for the determination of 4 designer benzodiazepines in urine samples by gas chromatographyâ€“triple quadrupole mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1053, 9-15.	1.2	32
43	Effect of drug precursors and chemicals relevant to clandestine laboratory investigation on plastic bags used for collection and storage. Forensic Science International, 2017, 273, 106-112.	1.3	5
44	The effect of sodium fluoride, formaldehyde, and storage temperature on the stability of methamidophos in post-mortem blood and liver. International Journal of Legal Medicine, 2017, 131, 667-675.	1.2	6
45	Development and validation of a simple, rapid and sensitive LC-MS/MS method for the measurement of urinary neurotransmitters and their metabolites. Analytical and Bioanalytical Chemistry, 2017, 409, 7191-7199.	1.9	27
46	Cannabidiol in the management of in-patient cannabis withdrawal: clinical case series. Future Neurology, 2017, 12, 133-140.	0.9	6
47	Current applications of high-resolution mass spectrometry for the analysis of new psychoactive substances: a critical review. Analytical and Bioanalytical Chemistry, 2017, 409, 5821-5836.	1.9	104
48	The mechanical properties of plastic evidence bags used for collection and storage of drug chemicals relevant to clandestine laboratory investigations. Forensic Sciences Research, 2017, 2, 198-202.	0.9	5
49	Chlorinated Nucleosides - A Novel Inducer of Endothelial Dysfunction in Atherosclerosis?. Free Radical Biology and Medicine, 2016, 100, S152.	1.3	0
50	Adulterants in Urine Drug Testing. Advances in Clinical Chemistry, 2016, 76, 123-163.	1.8	43
51	Development and validation of a presumptive color spot test method for the detection of synthetic cathinones in seized illicit materials. Forensic Chemistry, 2016, 1, 39-50.	1.7	20
52	Techniques and technologies for the bioanalysis of Sativex^{Â®}, metabolites and related compounds. Bioanalysis, 2016, 8, 829-845.	0.6	5
53	A study to model the post-mortem stability of 4-MMC, MDMA and BZP in putrefying remains. Forensic Science International, 2016, 265, 54-60.	1.3	6
54	Data on individual metabolites of synthetic cannabinoids JWH-018, JWH-073 and AM2201 by Cunninghamella elegans. Data in Brief, 2016, 7, 332-340.	0.5	3

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55	The potential for complementary targeted/non-targeted screening of novel psychoactive substances in equine urine using liquid chromatography-high resolution accurate mass spectrometry. Analytical Methods, 2016, 8, 1789-1797.	1.3	9
56	Biotransformation of synthetic cannabinoids JWH-018, JWH-073 and AM2201 by Cunninghamella elegans. Forensic Science International, 2016, 261, 33-42.	1.3	29
57	The formation of adipocere in model aquatic environments. International Journal of Legal Medicine, 2016, 130, 281-286.	1.2	6
58	Rapid elimination of Carboxy-THC in a cohort of chronic cannabis users. International Journal of Legal Medicine, 2016, 130, 147-152.	1.2	4
59	Analysis of New Designer Drugs in Post-Mortem Blood Using High-Resolution Mass Spectrometry. Journal of Analytical Toxicology, 2015, 39, 163-171.	1.7	47
60	Oxidation of testosterone by permanganate and its implication in sports drug testing. New Journal of Chemistry, 2015, 39, 1597-1602.	1.4	3
61	Reactivity of selenium-containing compounds with myeloperoxidase-derived chlorinating oxidants: Second-order rate constants and implications for biological damage. Free Radical Biology and Medicine, 2015, 84, 279-288.	1.3	22
62	Elucidation of markers for monitoring morphine and its analogs in urine adulterated with pyridinium chlorochromate. Bioanalysis, 2015, 7, 2283-2295.	0.6	4
63	Qualitative analysis of seized cocaine samples using desorption electrospray ionizationâ€•mass spectrometry (DESIâ€•MS). Drug Testing and Analysis, 2015, 7, 393-400.	1.6	26
64	Transformation of codeine and codeineâ€6â€glucuronide to opioid analogues by urine adulteration with pyridinium chlorochromate: potential issue for urine drug testing. Rapid Communications in Mass Spectrometry, 2014, 28, 1609-1620.	0.7	8
65	Analysis of amphetamineâ€type substances and piperazine analogues using desorption electrospray ionisation mass spectrometry. Rapid Communications in Mass Spectrometry, 2014, 28, 731-740.	0.7	16
66	The detection of THC, CBD and CBN in the oral fluid of SativexÂ® patients using two on-site screening tests and LCâ€“MS/MS. Forensic Science International, 2014, 238, 113-119.	1.3	19
67	Inhibition of myeloperoxidase- and neutrophil-mediated oxidant production by tetraethyl and tetramethyl nitroxides. Free Radical Biology and Medicine, 2014, 70, 96-105.	1.3	34
68	Detection and identification of 2â€•nitroâ€•morphine and 2â€•nitroâ€•morphineâ€6â€glucuronide in nitrite adulterated urine specimens containing morphine and its glucuronides. Drug Testing and Analysis, 2014, 6, 277-287.	1.6	13
69	Bioanalysis of urine samples after manipulation by oxidizing chemicals: technical considerations. Bioanalysis, 2014, 6, 1543-1561.	0.6	17
70	Presumptive analysis of 4-methylmethcathinone (mephedrone) using Desorption Electrospray Ionisation - Mass Spectrometry (DESI-MS). Australian Journal of Forensic Sciences, 2014, 46, 411-423.	0.7	6
71	Development and validation of a presumptive colour spot test method for the detection of piperazine analogues in seized illicit materials. Analytical Methods, 2013, 5, 5402.	1.3	22
72	Effect of hydrogen peroxide oxidation systems on human urinary steroid profiles. Analytical Methods, 2013, 5, 4402.	1.3	5

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73	Pethidinic Acid: Corroboration of a Doctor's Denial of Pethidine Re-Use. Journal of Analytical Toxicology, 2013, 37, 179-181.	1.7	3
74	Urine adulteration: can bleach be used to mask MDMA use?. Analytical Methods, 2013, 5, 3948-3955.	1.3	12
75	A review of impurity profiling and synthetic route of manufacture of methylamphetamine, 3,4-methylenedioxymethylamphetamine, amphetamine, dimethylamphetamine and p-methoxyamphetamine. Forensic Science International, 2013, 224, 8-26.	1.3	91
76	Effect of oxidizing adulterants on human urinary steroid profiles. Steroids, 2013, 78, 288-296.	0.8	10
77	Recovery of spiked Î”9-tetrahydrocannabinol in oral fluid from polypropylene containers. Forensic Science International, 2013, 227, 69-73.	1.3	28
78	A Sensitive Gas Chromatography-Mass Spectrometry Method for the Determination of Patulin in Apple Juice. Journal of AOAC INTERNATIONAL, 2012, 95, 1709-1712.	0.7	15
79	Myeloperoxidase is inhibited by commonly used phenolic compounds. Free Radical Biology and Medicine, 2012, 53, S89-S90.	1.3	0
80	Seleno compounds are effective catalytic scavengers of myeloperoxidase-derived oxidants. Free Radical Biology and Medicine, 2012, 53, S97.	1.3	0
81	Quantifying the Clinical Significance of Cannabis Withdrawal. PLoS ONE, 2012, 7, e44864.	1.1	127
82	2-Nitro-6-monoacetylmorphine: potential marker for monitoring the presence of 6-monoacetylmorphine in urine adulterated with potassium nitrite. Analytical and Bioanalytical Chemistry, 2012, 403, 2057-2063.	1.9	18
83	A rapid and sensitive method for the identification of delta-9-tetrahydrocannabinol in oral fluid by liquid chromatographyâ€“tandem mass spectrometry. Forensic Science International, 2012, 215, 92-96.	1.3	31
84	The Cannabis Withdrawal Scale development: Patterns and predictors of cannabis withdrawal and distress. Drug and Alcohol Dependence, 2011, 119, 123-129.	1.6	167
85	Myeloperoxidase-Derived Oxidant Production and Biological Damage are Inhibited by Acetaminophen (Paracetamol) at Pharmacologically-Relevant Levels. Free Radical Biology and Medicine, 2011, 51, S89.	1.3	0
86	Reduction of temazepam to diazepam and lorazepam to delorazepam during enzymatic hydrolysis. Analytical and Bioanalytical Chemistry, 2011, 400, 153-164.	1.9	14
87	Acetaminophen (paracetamol) inhibits myeloperoxidase-catalyzed oxidant production and biological damage at therapeutically achievable concentrations. Biochemical Pharmacology, 2010, 79, 1156-1164.	2.0	59
88	Acetaminophen (Paracetamol) Inhibits Myeloperoxidase-Catalyzed Oxidant Production And Biological Damage at Therapeutically-Achievable Doses in Humans. Free Radical Biology and Medicine, 2010, 49, S179.	1.3	0
89	A Novel Reductive Transformation of Oxazepam to Nordiazepam Observed During Enzymatic Hydrolysis. Journal of Analytical Toxicology, 2010, 34, 243-251.	1.7	28
90	Novel Automated Extraction Method for Quantitative Analysis of Urinary 11-nor-Â9-Tetrahydrocannabinol-9-Carboxylic Acid (THC-COOH). Journal of Analytical Toxicology, 2008, 32, 292-297.	1.7	17

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91	Analysis of Aliphatic Amino Acid Alcohols in Oxidized Proteins. , 2002, 186, 101-110.		0
92	Biosynthetic incorporation of oxidized amino acids into proteins and their cellular proteolysis. Free Radical Biology and Medicine, 2002, 32, 766-775.	1.3	67
93	STABLE MARKERS OF OXIDANT DAMAGE TO PROTEINS AND THEIR APPLICATION IN THE STUDY OF HUMAN DISEASE. , 2001, , 17-29.		0
94	Reactions of Hypochlorous Acid with Tyrosine and Peptidyl-tyrosyl Residues Give Dichlorinated and Aldehydic Products in Addition to 3-Chlorotyrosine. Journal of Biological Chemistry, 2000, 275, 10851-10858.	1.6	84
95	Are Reactive Oxygen Species Involved in the Pathogenesis of Murine Cerebral Malaria?. Journal of Infectious Diseases, 1999, 179, 217-222.	1.9	50
96	Stable markers of oxidant damage to proteins and their application in the study of human disease. Free Radical Biology and Medicine, 1999, 27, 1151-1163.	1.3	410
97	Human apo-lipoprotein B from normal plasma contains oxidised peptides. International Journal of Biochemistry and Cell Biology, 1999, 31, 1409-1420.	1.2	17
98	3-Hydroxylysine, a Potential Marker for Studying Radical-Induced Protein Oxidationâ€. Chemical Research in Toxicology, 1998, 11, 1265-1273.	1.7	42
99	The Hydroxyl Radical in Lens Nuclear Cataractogenesis. Journal of Biological Chemistry, 1998, 273, 28603-28609.	1.6	155
100	Evidence for roles of radicals in protein oxidation in advanced human atherosclerotic plaque. Biochemical Journal, 1998, 333, 519-525.	1.7	230
101	Presence of dopa and amino acid hydroperoxides in proteins modified with advanced glycation end products (AGEs): amino acid oxidation products as a possible source of oxidative stress induced by AGE proteins. Biochemical Journal, 1998, 330, 233-239.	1.7	71
102	Biochemistry and pathology of radical-mediated protein oxidation. Biochemical Journal, 1997, 324, 1-18.	1.7	1,519
103	Structural characterization of the products of hydroxyl-radical damage to leucine and their detection on proteins. Biochemical Journal, 1997, 324, 41-48.	1.7	106
104	3.P.108 Protein-bound hydroxylated amino acid levels are elevated in human atherosclerolic plaque. Atherosclerosis, 1997, 134, 221.	0.4	0
105	Primary structure of trypsin inhibitors from Sicyos australis. Phytochemistry, 1996, 41, 1265-1274.	1.4	9
106	Protein hydroperoxides can give rise to reactive free radicals. Biochemical Journal, 1995, 305, 643-649.	1.7	228
107	Biological fate of amino acid, peptide and protein hydroperoxides. Biochemical Journal, 1995, 311, 821-827.	1.7	91
108	Structural identification of valine hydroperoxides and hydroxides on radical-damaged amino acid, peptide, and protein molecules. Free Radical Biology and Medicine, 1995, 19, 281-292.	1.3	69

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109	Preliminary communication. Journal of Organometallic Chemistry, 1993, 454, C11-C12.	0.8	10
110	A Î²-Phenylethylamine-Derived Possible Biosynthetic Precursor to the Amathamides, Alkaloids from the Bryozoan Amathia wilsoni. Journal of Natural Products, 1989, 52, 436-438.	1.5	16
111	Traditional antiparasitic drugs in China. Parasitology Today, 1986, 2, 353-355.	3.1	27