

# Shanlin Fu

## List of Publications by Year in descending order

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111  
papers

4,945  
citations

186265  
28  
h-index

91884  
69  
g-index

116  
all docs

116  
docs citations

116  
times ranked

4964  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochemistry and pathology of radical-mediated protein oxidation. <i>Biochemical Journal</i> , 1997, 324, 1-18.	3.7	1,519
2	Stable markers of oxidant damage to proteins and their application in the study of human disease. <i>Free Radical Biology and Medicine</i> , 1999, 27, 1151-1163.	2.9	410
3	Evidence for roles of radicals in protein oxidation in advanced human atherosclerotic plaque. <i>Biochemical Journal</i> , 1998, 333, 519-525.	3.7	230
4	Protein hydroperoxides can give rise to reactive free radicals. <i>Biochemical Journal</i> , 1995, 305, 643-649.	3.7	228
5	The Cannabis Withdrawal Scale development: Patterns and predictors of cannabis withdrawal and distress. <i>Drug and Alcohol Dependence</i> , 2011, 119, 123-129.	3.2	167
6	The Hydroxyl Radical in Lens Nuclear Cataractogenesis. <i>Journal of Biological Chemistry</i> , 1998, 273, 28603-28609.	3.4	155
7	Quantifying the Clinical Significance of Cannabis Withdrawal. <i>PLoS ONE</i> , 2012, 7, e44864.	2.5	127
8	Structural characterization of the products of hydroxyl-radical damage to leucine and their detection on proteins. <i>Biochemical Journal</i> , 1997, 324, 41-48.	3.7	106
9	Current applications of high-resolution mass spectrometry for the analysis of new psychoactive substances: a critical review. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5821-5836.	3.7	104
10	Therapeutic Effects of Prolonged Cannabidiol Treatment on Psychological Symptoms and Cognitive Function in Regular Cannabis Users: A Pragmatic Open-Label Clinical Trial. <i>Cannabis and Cannabinoid Research</i> , 2018, 3, 21-34.	2.9	93
11	Biological fate of amino acid, peptide and protein hydroperoxides. <i>Biochemical Journal</i> , 1995, 311, 821-827.	3.7	91
12	A review of impurity profiling and synthetic route of manufacture of methylamphetamine, 3,4-methylenedioxymethylamphetamine, amphetamine, dimethylamphetamine and p-methoxyamphetamine. <i>Forensic Science International</i> , 2013, 224, 8-26.	2.2	91
13	A review of chemical "spot" tests: A presumptive illicit drug identification technique. <i>Drug Testing and Analysis</i> , 2018, 10, 95-108.	2.6	87
14	Reactions of Hypochlorous Acid with Tyrosine and Peptidyl-tyrosyl Residues Give Dichlorinated and Aldehydic Products in Addition to 3-Chlorotyrosine. <i>Journal of Biological Chemistry</i> , 2000, 275, 10851-10858.	3.4	84
15	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. <i>Biochemical Journal</i> , 1998, 330, 233-239.	3.7	71
16	Structural identification of valine hydroperoxides and hydroxides on radical-damaged amino acid, peptide, and protein molecules. <i>Free Radical Biology and Medicine</i> , 1995, 19, 281-292.	2.9	69
17	Biosynthetic incorporation of oxidized amino acids into proteins and their cellular proteolysis. <i>Free Radical Biology and Medicine</i> , 2002, 32, 766-775.	2.9	67
18	Acetaminophen (paracetamol) inhibits myeloperoxidase-catalyzed oxidant production and biological damage at therapeutically achievable concentrations. <i>Biochemical Pharmacology</i> , 2010, 79, 1156-1164.	4.4	59

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19	Are Reactive Oxygen Species Involved in the Pathogenesis of Murine Cerebral Malaria?. <i>Journal of Infectious Diseases</i> , 1999, 179, 217-222.	4.0	50
20	Analysis of New Designer Drugs in Post-Mortem Blood Using High-Resolution Mass Spectrometry. <i>Journal of Analytical Toxicology</i> , 2015, 39, 163-171.	2.8	47
21	Adulterants in Urine Drug Testing. <i>Advances in Clinical Chemistry</i> , 2016, 76, 123-163.	3.7	43
22	3-Hydroxylysine, a Potential Marker for Studying Radical-Induced Protein Oxidation. <i>Chemical Research in Toxicology</i> , 1998, 11, 1265-1273.	3.3	42
23	Inhibition of myeloperoxidase- and neutrophil-mediated oxidant production by tetraethyl and tetramethyl nitroxides. <i>Free Radical Biology and Medicine</i> , 2014, 70, 96-105.	2.9	34
24	Ultrasound-assisted low-density solvent dispersive liquid-liquid microextraction for the determination of 4 designer benzodiazepines in urine samples by gas chromatography-triple quadrupole mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1053, 9-15.	2.3	32
25	A rapid and sensitive method for the identification of delta-9-tetrahydrocannabinol in oral fluid by liquid chromatography-tandem mass spectrometry. <i>Forensic Science International</i> , 2012, 215, 92-96.	2.2	31
26	Cerebrospinal fluid metabolomics: detection of neuroinflammation in human central nervous system disease. <i>Clinical and Translational Immunology</i> , 2021, 10, e1318.	3.8	30
27	Biotransformation of synthetic cannabinoids JWH-018, JWH-073 and AM2201 by <i>Cunninghamella elegans</i> . <i>Forensic Science International</i> , 2016, 261, 33-42.	2.2	29
28	Catalytic oxidant scavenging by selenium-containing compounds: Reduction of selenoxides and N-chloramines by thiols and redox enzymes. <i>Redox Biology</i> , 2017, 12, 872-882.	9.0	29
29	A Novel Reductive Transformation of Oxazepam to Nordiazepam Observed During Enzymatic Hydrolysis. <i>Journal of Analytical Toxicology</i> , 2010, 34, 243-251.	2.8	28
30	Recovery of spiked $\delta^9$ -tetrahydrocannabinol in oral fluid from polypropylene containers. <i>Forensic Science International</i> , 2013, 227, 69-73.	2.2	28
31	Traditional antiparasitic drugs in China. <i>Parasitology Today</i> , 1986, 2, 353-355.	3.0	27
32	Development and validation of a simple, rapid and sensitive LC-MS/MS method for the measurement of urinary neurotransmitters and their metabolites. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 7191-7199.	3.7	27
33	Qualitative analysis of seized cocaine samples using desorption electrospray ionization-mass spectrometry (DESI-MS). <i>Drug Testing and Analysis</i> , 2015, 7, 393-400.	2.6	26
34	Characterization of hallucinogenic phenethylamines using high-resolution mass spectrometry for non-targeted screening purposes. <i>Drug Testing and Analysis</i> , 2017, 9, 1620-1629.	2.6	24
35	Application of Plasma-Printed Paper-Based SERS Substrate for Cocaine Detection. <i>Sensors</i> , 2021, 21, 810.	3.8	23
36	Development and validation of a presumptive colour spot test method for the detection of piperazine analogues in seized illicit materials. <i>Analytical Methods</i> , 2013, 5, 5402.	2.7	22

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37	Reactivity of selenium-containing compounds with myeloperoxidase-derived chlorinating oxidants: Second-order rate constants and implications for biological damage. <i>Free Radical Biology and Medicine</i> , 2015, 84, 279-288.	2.9	22
38	8-Chloroadenosine induces apoptosis in human coronary artery endothelial cells through the activation of the unfolded protein response. <i>Redox Biology</i> , 2019, 26, 101274.	9.0	21
39	Synthetic Cathinones Induce Cell Death in Dopaminergic SH-SY5Y Cells via Stimulating Mitochondrial Dysfunction. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1370.	4.1	21
40	Development and validation of a presumptive color spot test method for the detection of synthetic cathinones in seized illicit materials. <i>Forensic Chemistry</i> , 2016, 1, 39-50.	2.8	20
41	Metabolic Profile of Synthetic Cannabinoids 5F-PB-22, PB-22, XLR-11 and UR-144 by <i>Cunninghamella elegans</i> . <i>AAPS Journal</i> , 2017, 19, 1148-1162.	4.4	20
42	The detection of THC, CBD and CBN in the oral fluid of Sativex® patients using two on-site screening tests and LC-MS/MS. <i>Forensic Science International</i> , 2014, 238, 113-119.	2.2	19
43	2-Nitro-6-monoacetylmorphine: potential marker for monitoring the presence of 6-monoacetylmorphine in urine adulterated with potassium nitrite. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2057-2063.	3.7	18
44	Human apo-lipoprotein B from normal plasma contains oxidised peptides. <i>International Journal of Biochemistry and Cell Biology</i> , 1999, 31, 1409-1420.	2.8	17
45	Novel Automated Extraction Method for Quantitative Analysis of Urinary 11-nor- $\Delta^9$ -Tetrahydrocannabinol-9-Carboxylic Acid (THC-COOH). <i>Journal of Analytical Toxicology</i> , 2008, 32, 292-297.	2.8	17
46	Bioanalysis of urine samples after manipulation by oxidizing chemicals: technical considerations. <i>Bioanalysis</i> , 2014, 6, 1543-1561.	1.5	17
47	A $\beta^2$ -Phenylethylamine-Derived Possible Biosynthetic Precursor to the Amathamides, Alkaloids from the Bryozoan <i>Amathia wilsoni</i> . <i>Journal of Natural Products</i> , 1989, 52, 436-438.	3.0	16
48	Analysis of amphetamine-type substances and piperazine analogues using desorption electrospray ionisation mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 731-740.	1.5	16
49	Collision-Induced Dissociation Studies of Synthetic Opioids for Non-targeted Analysis. <i>Frontiers in Chemistry</i> , 2019, 7, 331.	3.6	16
50	Determination of phosphodiesterase 5 (PDE5) inhibitors in instant coffee premixes using liquid chromatography-high-resolution mass spectrometry (LC-HRMS). <i>Talanta</i> , 2019, 204, 36-43.	5.5	16
51	A Sensitive Gas Chromatography-Mass Spectrometry Method for the Determination of Patulin in Apple Juice. <i>Journal of AOAC INTERNATIONAL</i> , 2012, 95, 1709-1712.	1.5	15
52	Cerebrospinal fluid metabolites in tryptophan-kynurenine and nitric oxide pathways: biomarkers for acute neuroinflammation. <i>Developmental Medicine and Child Neurology</i> , 2021, 63, 552-559.	2.1	15
53	Reduction of temazepam to diazepam and lorazepam to delorazepam during enzymatic hydrolysis. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 153-164.	3.7	14
54	In vitro metabolism of synthetic cannabinoid AM1220 by human liver microsomes and <i>Cunninghamella elegans</i> using liquid chromatography coupled with high resolution mass spectrometry. <i>Forensic Toxicology</i> , 2018, 36, 435-446.	2.4	14

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55	Metabolomics in clinical and forensic toxicology, sports anti-doping and veterinary residues. <i>Drug Testing and Analysis</i> , 2022, 14, 794-807.	2.6	14
56	Detection and identification of 2â€¢nitroâ€¢morphine and 2â€¢nitroâ€¢morphineâ€¢6â€¢glucuronide in nitrite adulterated urine specimens containing morphine and its glucuronides. <i>Drug Testing and Analysis</i> , 2014, 6, 277-287.	2.6	13
57	Structural Elucidation of Metabolites of Synthetic Cannabinoid UR-144 by <i>Cunninghamella elegans</i> Using Nuclear Magnetic Resonance (NMR) Spectroscopy. <i>AAPS Journal</i> , 2018, 20, 42.	4.4	13
58	Comparison of commercial surface-enhanced Raman spectroscopy substrates for the analysis of cocaine. <i>Drug Testing and Analysis</i> , 2021, 13, 944-952.	2.6	13
59	Urine adulteration: can bleach be used to mask MDMA use?. <i>Analytical Methods</i> , 2013, 5, 3948-3955.	2.7	12
60	Developments in high-resolution mass spectrometric analyses of new psychoactive substances. <i>Archives of Toxicology</i> , 2022, 96, 949-967.	4.2	12
61	A label-free Exonuclease I-assisted fluorescence aptasensor for highly selective and sensitive detection of silver ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 260, 119927.	3.9	11
62	Preliminary communication. <i>Journal of Organometallic Chemistry</i> , 1993, 454, C11-C12.	1.8	10
63	Effect of oxidizing adulterants on human urinary steroid profiles. <i>Steroids</i> , 2013, 78, 288-296.	1.8	10
64	Application of Raman spectroscopy in the detection of cocaine in food matrices. <i>Australian Journal of Forensic Sciences</i> , 2019, 51, 209-219.	1.2	10
65	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. <i>Forensic Toxicology</i> , 2021, 39, 198-212.	2.4	10
66	Primary structure of trypsin inhibitors from <i>Sicyos australis</i> . <i>Phytochemistry</i> , 1996, 41, 1265-1274.	2.9	9
67	The potential for complementary targeted/non-targeted screening of novel psychoactive substances in equine urine using liquid chromatography-high resolution accurate mass spectrometry. <i>Analytical Methods</i> , 2016, 8, 1789-1797.	2.7	9
68	Monodisperse silica nanoparticle suspension for developing latent blood fingerprints. <i>Forensic Sciences Research</i> , 2020, 5, 38-46.	1.6	9
69	Transformation of codeine and codeineâ€¢6â€¢glucuronide to opioid analogues by urine adulteration with pyridinium chlorochromate: potential issue for urine drug testing. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1609-1620.	1.5	8
70	Development of a quantitative method for the analysis of cocaine analogue impregnated into textiles by Raman spectroscopy. <i>Drug Testing and Analysis</i> , 2018, 10, 761-767.	2.6	7
71	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. <i>Data in Brief</i> , 2019, 25, 104234.	1.0	7
72	Portable testing techniques for the analysis of drug materials. <i>Wiley Interdisciplinary Reviews Forensic Science</i> , 2022, 4, .	2.1	7

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73	Presumptive analysis of 4-methylmethcathinone (mephedrone) using Desorption Electrospray Ionisation - Mass Spectrometry (DESI-MS). Australian Journal of Forensic Sciences, 2014, 46, 411-423.	1.2	6
74	A study to model the post-mortem stability of 4-MMC, MDMA and BZP in putrefying remains. Forensic Science International, 2016, 265, 54-60.	2.2	6
75	The formation of adipocere in model aquatic environments. International Journal of Legal Medicine, 2016, 130, 281-286.	2.2	6
76	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.	2.2	6
77	Cannabidiol in the management of in-patient cannabis withdrawal: clinical case series. Future Neurology, 2017, 12, 133-140.	0.5	6
78	Finding the proverbial needle: Non-targeted screening of synthetic opioids in equine plasma. Drug Testing and Analysis, 2021, 13, 977-989.	2.6	6
79	Measurements of hydrocortisone and cortisone for longitudinal profiling of equine plasma by liquid chromatography-tandem mass spectrometry. Drug Testing and Analysis, 2022, , .	2.6	6
80	Effect of hydrogen peroxide oxidation systems on human urinary steroid profiles. Analytical Methods, 2013, 5, 4402.	2.7	5
81	Techniques and technologies for the bioanalysis of Sativex <sup>®</sup> , metabolites and related compounds. Bioanalysis, 2016, 8, 829-845.	1.5	5
82	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.	2.2	5
83	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.	1.6	5
84	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.	2.6	5
85	Towards compound identification of synthetic opioids in nontargeted screening using machine learning techniques. Drug Testing and Analysis, 2021, 13, 990-1000.	2.6	5
86	Elucidation of markers for monitoring morphine and its analogs in urine adulterated with pyridinium chlorochromate. Bioanalysis, 2015, 7, 2283-2295.	1.5	4
87	Rapid elimination of Carboxy-THC in a cohort of chronic cannabis users. International Journal of Legal Medicine, 2016, 130, 147-152.	2.2	4
88	Editorial: Advances in Analytical Methods for Drugs of Abuse Testing. Frontiers in Chemistry, 2019, 7, 589.	3.6	4
89	Fluorescence polarisation for high-throughput screening of adulterated food products via phosphodiesterase 5 inhibition assay. Drug Testing and Analysis, 2021, 13, 953-964.	2.6	4
90	Pethidinic Acid: Corroboration of a Doctor's Denial of Pethidine Re-Use. Journal of Analytical Toxicology, 2013, 37, 179-181.	2.8	3

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91	Oxidation of testosterone by permanganate and its implication in sports drug testing. New Journal of Chemistry, 2015, 39, 1597-1602.	2.8	3
92	Data on individual metabolites of synthetic cannabinoids JWH-018, JWH-073 and AM2201 by Cunninghamella elegans. Data in Brief, 2016, 7, 332-340.	1.0	3
93	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
94	Towards an untargeted mass spectrometric approach for improved screening in equine antidoping. Drug Testing and Analysis, 2021, 13, 1001-1007.	2.6	3
95	Liquid chromatography-high-resolution mass spectrometry analysis of erectile dysfunction drugs and their analogues in food products. Forensic Science International, 2021, 322, 110748.	2.2	3
96	Intelligence benefit of the 3- $\alpha$ -methoxytyramine to tyramine ratio in equine urine. Drug Testing and Analysis, 2022, , .	2.6	3
97	Color Spot Test As a Presumptive Tool for the Rapid Detection of Synthetic Cathinones. Journal of Visualized Experiments, 2018, , .	0.3	2
98	Suspected- $\alpha$ -target and non- $\alpha$ -targeted screenings of phosphodiesterase 5 inhibitors in herbal remedies using liquid chromatography- $\alpha$ -quadrupole time- $\alpha$ -of- $\alpha$ -flight- $\alpha$ -mass spectrometry. Drug Testing and Analysis, 2021, 13, 965-976.	2.6	2
99	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.	2.4	2
100	Isolation and identification of an isomeric sildenafil analogue as an adulterant in an instant coffee premix. Forensic Sciences Research, 2022, 7, 290-298.	1.6	1
101	Identification of Unique 4-Methylmethcathinone (4-MMC) Degradation Markers in Putrefied Matrices- $\alpha$ . Journal of Analytical Toxicology, 2020, 44, 803-810.	2.8	1
102	3.P.108 Protein-bound hydroxylated amino acid levels are elevated in human atherosclerotic plaque. Atherosclerosis, 1997, 134, 221.	0.8	0
103	STABLE MARKERS OF OXIDANT DAMAGE TO PROTEINS AND THEIR APPLICATION IN THE STUDY OF HUMAN DISEASE. , 2001, , 17-29.		0
104	Analysis of Aliphatic Amino Acid Alcohols in Oxidized Proteins. , 2002, 186, 101-110.		0
105	Acetaminophen (Paracetamol) Inhibits Myeloperoxidase-Catalyzed Oxidant Production And Biological Damage at Therapeutically-Achievable Doses in Humans. Free Radical Biology and Medicine, 2010, 49, S179.	2.9	0
106	Myeloperoxidase-Derived Oxidant Production and Biological Damage are Inhibited by Acetaminophen (Paracetamol) at Pharmacologically-Relevant Levels. Free Radical Biology and Medicine, 2011, 51, S89.	2.9	0
107	Myeloperoxidase is inhibited by commonly used phenolic compounds. Free Radical Biology and Medicine, 2012, 53, S89-S90.	2.9	0
108	Seleno compounds are effective catalytic scavengers of myeloperoxidase-derived oxidants. Free Radical Biology and Medicine, 2012, 53, S97.	2.9	0

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109	Chlorinated Nucleosides - A Novel Inducer of Endothelial Dysfunction in Atherosclerosis?. Free Radical Biology and Medicine, 2016, 100, S152.	2.9	0
110	Color Tests for the Preliminary Identification of New Psychoactive Substances. Methods in Molecular Biology, 2018, 1810, 1-11.	0.9	0
111	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.	2.2	0