

# Ping Huang

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

706  
citations

566801

15  
h-index

676716

22  
g-index

59  
all docs

59  
docs citations

59  
times ranked

585  
citing authors

#	ARTICLE	IF	CITATIONS
1	Research progress in the estimation of the postmortem interval by Chinese forensic scholars. <i>Forensic Sciences Research</i> , 2016, 1, 3-13.	0.9	39
2	Digital whole-slide image analysis for automated diatom test in forensic cases of drowning using a convolutional neural network algorithm. <i>Forensic Science International</i> , 2019, 302, 109922.	1.3	39
3	Predicting postmortem interval based on microbial community sequences and machine learning algorithms. <i>Environmental Microbiology</i> , 2020, 22, 2273-2291.	1.8	39
4	Estimation of the age of human bloodstains under the simulated indoor and outdoor crime scene conditions by ATR-FTIR spectroscopy. <i>Scientific Reports</i> , 2017, 7, 13254.	1.6	38
5	Application of Fourier transform infrared spectroscopy with chemometrics on postmortem interval estimation based on pericardial fluids. <i>Scientific Reports</i> , 2017, 7, 18013.	1.6	35
6	Finite element analysis of pedestrian lower limb fractures by direct force: The result of being run over or impact?. <i>Forensic Science International</i> , 2013, 229, 43-51.	1.3	33
7	Research advances in forensic diatom testing. <i>Forensic Sciences Research</i> , 2020, 5, 98-105.	0.9	28
8	Estimation of the age of human semen stains by attenuated total reflection Fourier transform infrared spectroscopy: a preliminary study. <i>Forensic Sciences Research</i> , 2020, 5, 119-125.	0.9	25
9	Analysis of postmortem metabolic changes in rat kidney cortex using Fourier transform infrared spectroscopy. <i>Spectroscopy</i> , 2008, 22, 21-31.	0.8	21
10	Identification of Pulmonary Edema in Forensic Autopsy Cases of Sudden Cardiac Death Using Fourier Transform Infrared Microspectroscopy: A Pilot Study. <i>Analytical Chemistry</i> , 2018, 90, 2708-2715.	3.2	20
11	Estimation of Postmortem Interval in Rat Liver and Spleen Using Fourier Transform Infrared Spectroscopy. <i>Spectroscopy Letters</i> , 2009, 42, 108-116.	0.5	17
12	Preparation of Monolithic Imprinted Stationary Phase for Clenbuterol by In Situ Polymerization and Application in Biological Samples Pretreatment. <i>Chromatographia</i> , 2011, 74, 693-701.	0.7	17
13	Application of MALDI-TOF MS for Estimating the Postmortem Interval in Rat Muscle Samples. <i>Journal of Forensic Sciences</i> , 2017, 62, 1345-1350.	0.9	17
14	Changes in Attenuated Total Reflection Fourier Transform Infrared Spectra as Blood Dries Out. <i>Journal of Forensic Sciences</i> , 2017, 62, 761-767.	0.9	17
15	MALDI-TOF MS as a Novel Tool for the Estimation of Postmortem Interval in Liver Tissue Samples. <i>Scientific Reports</i> , 2017, 7, 4887.	1.6	17
16	Bibliometric Analysis of Medical Malpractice Literature in Legal Medicine from 1975 to 2018: Web of Science Review. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2019, 66, 167-183.	0.5	17
17	Attenuated Total Reflection Fourier Transform Infrared Spectroscopic Investigation of the Postmortem Metabolic Process in Rat and Human Kidney Cortex. <i>Applied Spectroscopy</i> , 2010, 64, 268-274.	1.2	16
18	Attenuated total reflectance Fourier transform infrared (ATR-FTIR) spectral prediction of postmortem interval from vitreous humor samples. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 7611-7620.	1.9	16

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19	The binding property of a monoclonal antibody against the extracellular domains of aquaporin-4 directs aquaporin-4 toward endocytosis. <i>Biochemistry and Biophysics Reports</i> , 2016, 7, 77-83.	0.7	15
20	Identification of pulmonary edema in forensic autopsy cases of fatal anaphylactic shock using Fourier transform infrared microspectroscopy. <i>International Journal of Legal Medicine</i> , 2018, 132, 477-486.	1.2	15
21	Aldose reductase is a potent regulator of TGF- $\beta$ 1 induced expression of fibronectin in human mesangial cells. <i>Molecular Biology Reports</i> , 2010, 37, 3097-3103.	1.0	12
22	Determination of causes of death via spectrochemical analysis of forensic autopsies-based pulmonary edema fluid samples with deep learning algorithm. <i>Journal of Biophotonics</i> , 2020, 13, e201960144.	1.1	12
23	Post-mortem MSCT diagnosis of acute pericardial tamponade caused by blunt trauma to the chest in a motor-vehicle collision. <i>Romanian Journal of Legal Medicine</i> , 2012, 20, 117-122.	0.3	12
24	Exploring metabolic alterations associated with death from asphyxia and the differentiation of asphyxia from sudden cardiac death by GC-HRMS-based untargeted metabolomics. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1171, 122638.	1.2	11
25	Post-mortem computed tomography angiography using left ventricle cardiac puncture: A whole-body, angiographic approach. <i>PLoS ONE</i> , 2017, 12, e0183408.	1.1	11
26	High avidity chimeric monoclonal antibodies against the extracellular domains of human aquaporin-4 competing with the neuromyelitis optica autoantibody, NMO-IgG. <i>British Journal of Pharmacology</i> , 2016, 173, 103-114.	2.7	10
27	Diagnosis of coronary artery disease using targeted post-mortem computed tomography coronary angiography: a case report. <i>Forensic Sciences Research</i> , 2017, 2, 107-111.	0.9	10
28	Identifying muscle hemorrhage in rat cadavers with advanced decomposition by FT-IR microspectroscopy combined with chemometrics. <i>Legal Medicine</i> , 2020, 47, 101748.	0.6	10
29	An efficient method for building a database of diatom populations for drowning site inference using a deep learning algorithm. <i>International Journal of Legal Medicine</i> , 2021, 135, 817-827.	1.2	9
30	An investigation on annular cartilage samples for post-mortem interval estimation using Fourier transform infrared spectroscopy. <i>Forensic Science, Medicine, and Pathology</i> , 2019, 15, 521-527.	0.6	8
31	The approach of virtual autopsy (VIRTOPSY) by postmortem multi-slice computed tomography (PMCT) in China for forensic pathology. <i>Forensic Imaging</i> , 2020, 20, 200361.	0.4	8
32	Genetic polymorphisms of 15 STR loci in Chinese Hui population. <i>Journal of Forensic Sciences</i> , 2005, 50, 1508-9.	0.9	8
33	Use of Deep Learning in Forensic Sex Estimation of Virtual Pelvic Models from the Han Population. <i>Forensic Sciences Research</i> , 2022, 7, 540-549.	0.9	8
34	Diagnosis of a Cerebral Arteriovenous Malformation Using Isolated Brain Computed Tomography Angiography. <i>American Journal of Forensic Medicine and Pathology</i> , 2016, 37, 201-204.	0.4	7
35	Postmortem diagnosis of fatal hypothermia/hyperthermia by spectrochemical analysis of plasma. <i>Forensic Science, Medicine, and Pathology</i> , 2019, 15, 332-341.	0.6	7
36	Biochemical detection of fatal hypothermia and hyperthermia in affected rat hypothalamus tissues by Fourier transform infrared spectroscopy. <i>Bioscience Reports</i> , 2019, 39, .	1.1	7

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37	Novel insights into wound age estimation: combined with $\hat{\alpha}$ cup, no change, or down $\hat{\alpha}$ system and cosine similarity in python environment. <i>International Journal of Legal Medicine</i> , 2020, 134, 2177-2186.	1.2	7
38	Fourier-transform infrared microspectroscopy of pulmonary edema fluid for postmortem diagnosis of diabetic ketoacidosis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 258, 119882.	2.0	7
39	The Use of Gas Chromatography Coupled with High-Resolution Mass Spectrometry-Based Untargeted Metabolomics to Discover Metabolic Changes and Help in the Determination of Complex Causes of Death: A Preliminary Study. <i>ACS Omega</i> , 2021, 6, 2100-2109.	1.6	6
40	Role of aldose reductase in the high glucose induced expression of fibronectin in human mesangial cells. <i>Molecular Biology Reports</i> , 2010, 37, 3017-3021.	1.0	5
41	Characterization of the Postmortem Interval by Infrared Microscopy. <i>Analytical Letters</i> , 2016, 49, 290-298.	1.0	5
42	Finite element analysis to determine the cause of ring fractures in a motorcyclist's head. <i>Legal Medicine</i> , 2020, 45, 101697.	0.6	5
43	Preliminary study on fatal hyperthermia in rat liver tissue by Fourier transform infrared microspectroscopy. <i>Australian Journal of Forensic Sciences</i> , 2017, 49, 468-478.	0.7	4
44	Postmortem chest computed tomography for the diagnosis of drowning: a feasibility study. <i>Forensic Sciences Research</i> , 2021, 6, 152-158.	0.9	4
45	Identification of fatal hypothermia via attenuated total reflection Fourier transform infrared spectroscopy of rabbit vitreous humour. <i>Australian Journal of Forensic Sciences</i> , 2021, 53, 27-39.	0.7	4
46	Preliminary study on the mechanisms of ankle injuries under falling and impact conditions based on the THUMS model. <i>Forensic Sciences Research</i> , 0, , 1-10.	0.9	4
47	Post-mortem interval estimation in rat liver tissues using attenuated total reflection Fourier transform infrared spectroscopy combined with chemometrics. <i>Australian Journal of Forensic Sciences</i> , 2019, 51, 527-537.	0.7	3
48	Characterization and postmortem diagnosis of fatal heatstroke using Attenuated Total Reflectance Fourier transform infrared spectroscopy combined with chemometrics. <i>Spectroscopy Letters</i> , 2020, 53, 372-382.	0.5	3
49	Post-mortem evaluation of the pathological degree of myocardial infarction by Fourier transform infrared microspectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 268, 120630.	2.0	3
50	Infrared (IR) Spectral Markers of Bronchial Epithelia in Victims of Fatal Burns. <i>Applied Spectroscopy</i> , 2014, 68, 165-171.	1.2	2
51	Non/mini-invasive monitoring of diabetes-induced myocardial damage by Fourier transform infrared spectroscopy: Evidence from biofluids. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166445.	1.8	2
52	Investigation of early biochemical alterations in myocardia of the diabetic db/db mice by FTIR microspectroscopy combined with machine learning. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 277, 121263.	2.0	1