Theresa E Stotesbury

List of Publications by Citations

23 papers	75 citations	5 h-index	6 g-index
26 ext. papers	111 ext. citations	2.4 avg, IF	2.8 L-index

#	Paper	IF	Citations
23	The application of silicon sol-gel technology to forensic blood substitute development: Investigation of the spreading dynamics onto a paper surface. *Forensic Science International*, **2017**, 275, 308-313	2.6	8
22	Passive Drip Stain Formation Dynamics of Blood onto Hard Surfaces and Comparison with Simple Fluids for Blood Substitute Development and Assessment. *Journal of Forensic Sciences*, **2017**, 62, 74-82	1.8	8
21	Waterborne epoxy-thiol decorated silica sol-gel coatings: impact of crosslinking on corrosion prevention. *Journal of Sol-Gel Science and Technology*, **2018**, 87, 504-513	2.3	5
20	Novel silica sol-gel passive sampler for mercury monitoring in aqueous systems. *Chemosphere*, **2013** , 90, 323-8	8.4	5
19	The application of silicon sol-gel technology to forensic blood substitute development: Mimicking aspects of whole human blood rheology. *Forensic Science International*, **2017**, 270, 12-19	2.6	5
18	Characterizing drip patterns in bloodstain pattern analysis: An investigation of the influence of droplet impact velocity and number of droplets on static pattern features. *Forensic Science International*, **2019**, 301, 55-66	2.6	4
17	An Impact Velocity Device Design for Blood Spatter Pattern Generation with Considerations for High-Speed Video Analysis. *Journal of Forensic Sciences*, **2016**, 61, 501-508	1.8	4
16	Design Considerations for the Implementation of Artificial Fluids as Blood Substitutes for Educational and Training Use in the Forensic Sciences. *Forensic Science Policy and Management*, **2016**, 7, 81-86		4
15	An Exploratory Time Since Deposition Analysis of Whole Blood Using Metrics of DNA Degradation and Visible Absorbance Spectroscopy. *Pure and Applied Geophysics*, **2021**, 178, 735-743	2.2	4
14	Validation of Sherlock, a linear trajectory analysis program for use in bloodstain pattern analysis. *Journal of the Canadian Society of Forensic Science*, **2019**, 52, 78-94	0.5	3
13	Preliminary analysis of latent fingerprints recovered from underneath bloodstains using matrix-assisted laser desorption/ionization fourier-transform ion cyclotron resonance mass spectrometry imaging (MALDI FT-ICR MSI). *Forensic Chemistry*, **2020**, 20, 100274	2.8	3
12	Three physical factors that affect the crown growth of the impact mechanism and its implications for bloodstain pattern analysis. *Forensic Science International*, **2016**, 266, 254-262	2.6	3
11	Quantifying chemiluminescence of the forensic luminol test for ovine blood in a dilution and time series. *Forensic Science International*, **2018**, 290, 36-41	2.6	3
10	The use of a forensic blood substitute for impact pattern area of origin estimation via three trajectory analysis programs. *Journal of the Canadian Society of Forensic Science*, **2018**, 51, 58-66	0.5	3
9	Untargeted SPME-GC-MS Characterization of VOCs Released from Spray Paint. *Journal of Chromatographic Science*, **2021**, 59, 103-111	1.4	3
8	The use of high-resolution mass spectrometry (HRMS) for the analysis of DNA and other macromolecules: A how-to guide for forensic chemistry. *Forensic Chemistry*, **2019**, 14, 100169	2.8	2
7	Luminol reagent control materials in bloodstain pattern analysis: A silicon sol-gel polymer alternative. *Forensic Chemistry*, **2019**, 12, 91-98	2.8	2

List of Publications

6	Novel Technological Approaches for Pedagogy in Forensic Science: A Case Study in Bloodstain Pattern Analysis. *Forensic Science Policy and Management*, **2016**, 7, 87-97		2
5	Quantifying visible absorbance changes and DNA degradation in aging bloodstains under extreme temperatures. *Forensic Science International*, **2021**, 318, 110627	2.6	2
4	Drip stains formed on ice and snow: an observational study. *Journal of the Canadian Society of Forensic Science*, **2021**, 54, 61-76	0.5	1
3	Whole bovine blood use in forensic research: Sample preparation and storage considerations. *Science and Justice - Journal of the Forensic Science Society*, **2021**, 61, 214-220	2	1
2	High-speed video analysis of crown formation dynamics of controlled weapon-head impacts on to three surface types. *Journal of the Canadian Society of Forensic Science*, **2017**, 50, 64-73	0.5	
1	subMALDI: an open framework R package for processing irregularly-spaced mass spectrometry data. *Journal of Open Source Software*, **2021**, 6, 2694	5.2	