

Jack Ballantyne

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

2,410
citations

257450

24
h-index

197818

49
g-index

55
all docs

55
docs citations

55
times ranked

1264
citing authors

#	ARTICLE	IF	CITATIONS
1	Probabilistic genotyping of single cell replicates from complex DNA mixtures recovers higher contributor LR than standard analysis. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2022, 62, 156-163.	2.1	10
2	Recovery of single source DNA profiles from mixtures by direct single cell subsampling and simplified micromanipulation. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2021, 61, 13-25.	2.1	19
3	Forensic transcriptome analysis using massively parallel sequencing. <i>Forensic Science International: Genetics</i> , 2021, 52, 102486.	3.1	26
4	Predicting the origin of stains from whole miRNome massively parallel sequencing data. <i>Forensic Science International: Genetics</i> , 2019, 40, 131-139.	3.1	25
5	Enhancing the sexual assault workflow: Development of a rapid male screening assay incorporating molecular non-microscopic sperm identification. <i>Forensic Science International: Genetics Supplement Series</i> , 2019, 7, 21-22.	0.3	5
6	Assigning forensic body fluids to DNA donors in mixed samples by targeted RNA/DNA deep sequencing of coding region SNPs using ion torrent technology. <i>Forensic Science International: Genetics Supplement Series</i> , 2019, 7, 23-24.	0.3	7
7	Single source DNA profile recovery from single cells isolated from skin and fabric from touch DNA mixtures in mock physical assaults. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2018, 58, 191-199.	2.1	24
8	Predicting the origin of stains from next generation sequencing mRNA data. <i>Forensic Science International: Genetics</i> , 2018, 34, 37-48.	3.1	46
9	Development of HyBeacon [®] probes for specific mRNA detection using body fluids as a model system. <i>Molecular and Cellular Probes</i> , 2018, 38, 51-59.	2.1	6
10	Developmental validation of the ParaDNA [®] Body Fluid ID System [™] —A rapid multiplex mRNA-profiling system for the forensic identification of body fluids. <i>Forensic Science International: Genetics</i> , 2018, 37, 151-161.	3.1	19
11	Human Organ Tissue Identification by Targeted RNA Deep Sequencing to Aid the Investigation of Traumatic Injury. <i>Genes</i> , 2017, 8, 319.	2.4	14
12	Enhanced DNA Profiling of the Semen Donor in Late Reported Sexual Assaults: Use of Y-Chromosome-Targeted Pre-amplification and Next Generation Y-STR Amplification Systems. <i>Methods in Molecular Biology</i> , 2016, 1420, 185-200.	0.9	4
13	Enhanced Genetic Analysis of Single Human Bioparticles Recovered by Simplified Micromanipulation from Forensic Touch DNA; Evidence. <i>Journal of Visualized Experiments</i> , 2015, , .	0.3	16
14	Developmental validation of the ParaDNA [®] Intelligence System [™] —A novel approach to DNA profiling. <i>Forensic Science International: Genetics</i> , 2015, 17, 137-148.	3.1	27
15	Targeted multiplexed next generation RNA sequencing assay for tissue source determination of forensic samples. <i>Forensic Science International: Genetics Supplement Series</i> , 2015, 5, e441-e443.	0.3	10
16	Facile semi-automated forensic body fluid identification by multiplex solution hybridization of NanoString [®] barcode probes to specific mRNA targets. <i>Forensic Science International: Genetics</i> , 2015, 14, 18-30.	3.1	28
17	Assessment of DNA damage induced by terrestrial UV irradiation of dried bloodstains: Forensic implications. <i>Forensic Science International: Genetics</i> , 2014, 8, 24-32.	3.1	31
18	Developmental Validation of the ParaDNA [®] Screening System - A presumptive test for the detection of DNA on forensic evidence items. <i>Forensic Science International: Genetics</i> , 2014, 11, 73-79.	3.1	30

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19	The identification of menstrual blood in forensic samples by logistic regression modeling of miRNA expression. <i>Electrophoresis</i> , 2014, 35, 3087-3095.	2.4	28
20	Binary logistic regression models enable miRNA profiling to provide accurate identification of forensically relevant body fluids and tissues. <i>Forensic Science International: Genetics Supplement Series</i> , 2013, 4, e127-e128.	0.3	11
21	Circulating MicroRNA for the Identification of Forensically Relevant Body Fluids. <i>Methods in Molecular Biology</i> , 2013, 1024, 221-234.	0.9	17
22	Highly specific mRNA biomarkers for the identification of vaginal secretions in sexual assault investigations. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2013, 53, 14-22.	2.1	86
23	Rapid and inexpensive body fluid identification by RNA profiling-based multiplex High Resolution Melt (HRM) analysis. <i>F1000Research</i> , 2013, 2, 281.	1.6	18
24	Rapid and inexpensive body fluid identification by RNA profiling-based multiplex High Resolution Melt (HRM) analysis. <i>F1000Research</i> , 2013, 2, 281.	1.6	36
25	Performance Evaluation and Optimization of Multiplex PCRs for the Highly Discriminating OSU 10â€œLocus Set Yâ€œSTRs* ^{,â€œ}. <i>Journal of Forensic Sciences</i> , 2012, 57, 52-59.	1.6	2
26	Capillary Electrophoresis of a Multiplex Reverse Transcription-Polymerase Chain Reaction to Target Messenger RNA Markers for Body Fluid Identification. <i>Methods in Molecular Biology</i> , 2012, 830, 169-183.	0.9	37
27	A Blue Spectral Shift of the Hemoglobin Soret Band Correlates with the Age (Time Since Deposition) of Dried Bloodstains. <i>PLoS ONE</i> , 2010, 5, e12830.	2.5	75
28	Hydrolysis of DNA and its molecular components in the dry state. <i>Forensic Science International: Genetics</i> , 2010, 4, 168-177.	3.1	21
29	Identification of four novel developmentally regulated gamma hemoglobin mRNA isoforms. <i>Experimental Hematology</i> , 2009, 37, 285-293.	0.4	1
30	Identification of forensically relevant body fluids using a panel of differentially expressed microRNAs. <i>Analytical Biochemistry</i> , 2009, 387, 303-314.	2.4	324
31	A comparative analysis of two different sets of Y-chromosome short tandem repeats (Y-STRs) on a common population panel. <i>Forensic Science International: Genetics</i> , 2009, 4, 11-20.	3.1	8
32	Preparation of Forensic Samples for Direct Molecular Applications. , 2009, , .		0
33	Recovery and Stability of RNA in Vaginal Swabs and Blood, Semen, and Saliva Stains. <i>Journal of Forensic Sciences</i> , 2008, 53, 296-305.	1.6	142
34	Y-STR Profiling in Extended Interval (â€œ%3Ddays) Postcoital Cervicovaginal Samples. <i>Journal of Forensic Sciences</i> , 2008, 53, 342-348.	1.6	45
35	Review of:Molecular Photofitting. <i>Journal of Forensic Sciences</i> , 2008, 53, 1010-1010.	1.6	0
36	Sequence Specificity of BAL 31 Nuclease for ssDNA Revealed by Synthetic Oligomer Substrates Containing Homopolymeric Guanine Tracts. <i>PLoS ONE</i> , 2008, 3, e3595.	2.5	0

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37	Validity of Messenger RNA Expression Analyses of Human Saliva. <i>Clinical Cancer Research</i> , 2007, 13, 1350-1350.	7.0	18
38	An Ultra-High Discrimination Y Chromosome Short Tandem Repeat Multiplex DNA Typing System. <i>PLoS ONE</i> , 2007, 2, e688.	2.5	50
39	Population data for 48 "Non-Core"™ Y chromosome STR loci. <i>Legal Medicine</i> , 2007, 9, 221-231.	1.3	6
40	Population Data for a Novel, Highly Discriminating Tetra-Local Y-Chromosome Short Tandem Repeat: DYS503. <i>Journal of Forensic Sciences</i> , 2007, 52, 498-499.	1.6	2
41	Simplified Low-Copy-Number DNA Analysis by Post-PCR Purification. <i>Journal of Forensic Sciences</i> , 2007, 52, 820-829.	1.6	84
42	mRNA Profiling for Body Fluid Identification by Multiplex Quantitative RT-PCR*. <i>Journal of Forensic Sciences</i> , 2007, 52, 1252-1262.	1.6	175
43	Testing and Evaluation of 43 "Noncore" Y Chromosome Markers for Forensic Casework Applications. <i>Journal of Forensic Sciences</i> , 2006, 51, 1298-1314.	1.6	25
44	The identification of newborns using messenger RNA profiling analysis. <i>Analytical Biochemistry</i> , 2006, 357, 21-34.	2.4	22
45	Comprehensive annotated STR physical map of the human Y chromosome: Forensic implications. <i>Legal Medicine</i> , 2006, 8, 110-120.	1.3	38
46	Whole genome amplification strategy for forensic genetic analysis using single or few cell equivalents of genomic DNA. <i>Analytical Biochemistry</i> , 2005, 346, 246-257.	2.4	63
47	Multiplex mRNA profiling for the identification of body fluids. <i>Forensic Science International</i> , 2005, 152, 1-12.	2.2	288
48	An mRNA and DNA co-isolation method for forensic casework samples. <i>Analytical Biochemistry</i> , 2004, 335, 289-298.	2.4	87
49	SWGDM Developmental Validation of a 19-Locus Y-STR System for Forensic Casework. <i>Journal of Forensic Sciences</i> , 2004, 49, 1-16.	1.6	29
50	A Highly Discriminating 21 Locus Y-STR "Megaplex" System Designed to Augment the Minimal Haplotype Loci for Forensic Casework. <i>Journal of Forensic Sciences</i> , 2004, 49, 1-12.	1.6	46
51	A highly discriminating 21 locus Y-STR "megaplex" system designed to augment the minimal haplotype loci for forensic casework. <i>Journal of Forensic Sciences</i> , 2004, 49, 40-51.	1.6	12
52	SWGDM developmental validation of a 19-locus Y-STR system for forensic casework. <i>Journal of Forensic Sciences</i> , 2004, 49, 668-83.	1.6	6
53	The development of an 18-locus Y-STR system for forensic casework. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 1234-1246.	3.7	31
54	Messenger RNA profiling: a prototype method to supplant conventional methods for body fluid identification. <i>Forensic Science International</i> , 2003, 135, 85-96.	2.2	229