Edgard Espinoza

List of Publications by Citations

38 papers	763 citations	15 h-index	27 g-index
42 ext. papers	915 ext. citations	4.3 avg, IF	3.94 L-index

#	Paper	IF	Citations
38	Forensic timber identification: It's time to integrate disciplines to combat illegal logging. *Biological Conservation*, **2015**, 191, 790-798	6.2	114
37	Arsenic and mercury in traditional Chinese herbal balls. *New England Journal of Medicine*, **1995**, 333, 803-4	59.2	111
36	Distinguishing wild from cultivated agarwood (Aquilaria spp.) using direct analysis in real time and time of-flight mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2014**, 28, 281-9	2.2	53
35	Analysis of select Dalbergia and trade timber using direct analysis in real time and time-of-flight mass spectrometry for CITES enforcement. *Rapid Communications in Mass Spectrometry*, **2012**, 26, 1147-56	2.2	48
34	A High Throughput Ambient Mass Spectrometric Approach to Species Identification and Classification from Chemical Fingerprint Signatures. *Scientific Reports*, **2015**, 5, 11520	4.9	43
33	Characterization of smokeless gunpowder by means of diphenylamine stabilizer and its nitrated derivatives. *Analytica Chimica Acta*, **1994**, 288, 57-69	6.6	42
32	Evaluating agarwood products for 2-(2-phenylethyl)chromones using direct analysis in real time time-of-flight mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2012**, 26, 2649-56	2.2	40
31	Metabolic chemotypes of CITES protected Dalbergia timbers from Africa, Madagascar, and Asia. *Rapid Communications in Mass Spectrometry*, **2015**, 29, 783-8	2.2	38
30	Electrospray ionization mass spectrometric analysis of blood for differentiation of species. *Analytical Biochemistry*, **1999**, 268, 252-61	3.1	30
29	FORENSIC ANALYSIS OF CITES-PROTECTED DALBERGIA TIMBER FROM THE AMERICAS. *IAWA Journal*, **2015**, 36, 311-325	2.3	27
28	THE ANALYSIS OF SEA TURTLE AND BOVID KERATIN ARTEFACTS USING DRIFT SPECTROSCOPY AND DISCRIMINANT ANALYSIS*. *Archaeometry*, **2007**, 49, 685-698	1.6	25
27	Source identification of western Oregon Douglas-fir wood cores using mass spectrometry and random forest classification. *Applications in Plant Sciences*, **2017**, 5, 1600158	2.3	22
26	Forensic identification of elephant and giraffe hair artifacts using HATR FTIR spectroscopy and discriminant analysis. *Endangered Species Research*, **2008**, 9, 239-246	2.5	19
25	Identification of selected CITES-protected Araucariaceae using DART TOFMS. *IAWA Journal*, **2017**, 38, 266-S3	2.3	18
24	Comparison of species classification models of mass spectrometry data: Kernel Discriminant Analysis vs Random Forest; A case study of Afrormosia (Pericopsis elata (Harms) Meeuwen). *Rapid Communications in Mass Spectrometry*, **2017**, 31, 1582-1588	2.2	16
23	Identification and Quantitation of Source from Hemoglobin of Blood and Blood Mixtures by High Performance Liquid Chromatography. *Journal of Forensic Sciences*, **1996**, 41, 14002J	1.8	14
22	Chemical differentiation of Bolivian Cedrela species as a tool to trace illegal timber trade. *Forestry*, **2018**, 91, 603-613	2.2	12

21	Analysis of fiber blends using horizontal attenuated total reflection Fourier transform infrared and discriminant analysis. *Applied Spectroscopy*, **2006**, 60, 386-91	3.1	11
20	Identification of rhinoceros keratin using direct analysis in real time time-of-flight mass spectrometry and multivariate statistical analysis. *Rapid Communications in Mass Spectrometry*, **2018**, 32, 2106-2112	2.2	11
19	A protocol for automated timber species identification using metabolome profiling. *Wood Science and Technology*, **2019**, 53, 953-965	2.5	10
18	International Trade in Bear Gall Bladders: Forensic Source Inference. *Journal of Forensic Sciences*, **1993**, 38, 13540J	1.8	10
17	Forensic species identification of elephant (Elephantidae) and giraffe (Giraffidae) tail hair using light microscopy. *Forensic Science, Medicine, and Pathology*, **2010**, 6, 165-71	1.5	9
16	Assessing utility of handheld laser induced breakdown spectroscopy as a means of Dalbergia speciation. *Analyst, The*, **2019**, 144, 5117-5126	5	5
15	IDENTIFYING PYGMY AND DWARF SPERM WHALES (GENUS KOGIA) USING ELECTROSPRAY IONIZATION MASS SPECTROMETRY OF MYOGLOBIN AND HEMOGLOBIN. *Marine Mammal Science*, **2003**, 19, 395-399	1.9	5
14	Assessing the natural durability of xylarium specimens: mini-block testing and chemical fingerprinting for small-sized samples. *Wood Science and Technology*, **2020**, 54, 981-1000	2.5	4
13	Chemical Fingerprinting of Wood Sampled along a Pith-to-Bark Gradient for Individual Comparison and Provenance Identification. *Forests*, **2020**, 11, 107	2.8	4
12	Myth debunked: Keratinous pangolin scales do not contain the analgesic tramadol. *Conservation Science and Practice*, **2019**, 1, e82	2.2	4
11	Toxic Metals in Selected Traditional Chinese Medicinals. *Journal of Forensic Sciences*, **1996**, 41, 13934J	1.8	4
10	The Future of Wildlife Forensic Science **2012**, 343-358		3
9	Forensic identification of CITES Appendix I Cupressaceae using anatomy and mass spectrometry. *IAWA Journal*, **2020**, 41, 720-739	2.3	2
8	Wildlife forensic science in the investigation of poaching of vicu□. *Oryx*, **2016**, 50, 14-15	1.5	2
7	Forensic analysis of black coral (Order Antipatharia). *Forensic Science International*, **2012**, 216, 73-7	2.6	1
6	Forensic identification of the keratin fibers of South American camelids by ambient ionization mass spectrometry: Vicu□, alpaca and guanaco. *Rapid Communications in Mass Spectrometry*, **2020**, 34, e8916	2.2	1
5	Direct analysis in real-time (DART) time-of-flight mass spectrometry (TOFMS) of wood reveals distinct chemical signatures of two species of Afzelia. *Annals of Forest Science*, **2021**, 78, 1	3.1	1
4	Forensic characterization of sea turtle oil by ambient ionization mass spectrometry: Caretta caretta, Chelonia mydas, Dermochelys coriacea, Eretmochelys imbricata, Lepidochelys kempii, and Lepidochelys olivacea. *Forensic Science International Animals and Environments*, **2021**, 1, 100008		1

3	The Society for Wildlife Forensic Science standards and guidelines. *Forensic Science International Animals and Environments*, **2021**, 1, 100015		1
2	Timber identification of Autranella, Baillonella and Tieghemella in the taxonomically challenging Sapotaceae family. *Plant Methods*, **2021**, 17, 64	5.8	0
1	WILDLIFE **2000**, 1423-1432		