

# Edgard Espinoza

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Direct analysis in real-time (DART) time-of-flight mass spectrometry (TOFMS) of wood reveals distinct chemical signatures of two species of Afzelia. <i>Annals of Forest Science</i> , <b>2021</b> , 78, 1	3.1	1
37	Timber identification of Autranella, Baillonella and Tieghemella in the taxonomically challenging Sapotaceae family. <i>Plant Methods</i> , <b>2021</b> , 17, 64	5.8	0
36	Forensic characterization of sea turtle oil by ambient ionization mass spectrometry: Caretta caretta, Chelonia mydas, Dermochelys coriacea, Eretmochelys imbricata, Lepidochelys kempii, and Lepidochelys olivacea. <i>Forensic Science International Animals and Environments</i> , <b>2021</b> , 1, 100008		1
35	The Society for Wildlife Forensic Science standards and guidelines. <i>Forensic Science International Animals and Environments</i> , <b>2021</b> , 1, 100015		1
34	Assessing the natural durability of xylarium specimens: mini-block testing and chemical fingerprinting for small-sized samples. <i>Wood Science and Technology</i> , <b>2020</b> , 54, 981-1000	2.5	4
33	Chemical Fingerprinting of Wood Sampled along a Pith-to-Bark Gradient for Individual Comparison and Provenance Identification. <i>Forests</i> , <b>2020</b> , 11, 107	2.8	4
32	Forensic identification of CITES Appendix I Cupressaceae using anatomy and mass spectrometry. <i>IAWA Journal</i> , <b>2020</b> , 41, 720-739	2.3	2
31	Forensic identification of the keratin fibers of South American camelids by ambient ionization mass spectrometry: Vicuña, alpaca and guanaco. <i>Rapid Communications in Mass Spectrometry</i> , <b>2020</b> , 34, e8916	2.2	1
30	A protocol for automated timber species identification using metabolome profiling. <i>Wood Science and Technology</i> , <b>2019</b> , 53, 953-965	2.5	10
29	Assessing utility of handheld laser induced breakdown spectroscopy as a means of Dalbergia speciation. <i>Analyst, The</i> , <b>2019</b> , 144, 5117-5126	5	5
28	Myth debunked: Keratinous pangolin scales do not contain the analgesic tramadol. <i>Conservation Science and Practice</i> , <b>2019</b> , 1, e82	2.2	4
27	Chemical differentiation of Bolivian Cedrela species as a tool to trace illegal timber trade. <i>Forestry</i> , <b>2018</b> , 91, 603-613	2.2	12
26	Identification of rhinoceros keratin using direct analysis in real time time-of-flight mass spectrometry and multivariate statistical analysis. <i>Rapid Communications in Mass Spectrometry</i> , <b>2018</b> , 32, 2106-2112	2.2	11
25	Source identification of western Oregon Douglas-fir wood cores using mass spectrometry and random forest classification. <i>Applications in Plant Sciences</i> , <b>2017</b> , 5, 1600158	2.3	22
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). <i>Rapid Communications in Mass Spectrometry</i> , <b>2017</b> , 31, 1582-1588	2.2	16
23	Identification of selected CITES-protected Araucariaceae using DART TOFMS. <i>IAWA Journal</i> , <b>2017</b> , 38, 266-S3	2.3	18
22	Wildlife forensic science in the investigation of poaching of vicuña. <i>Oryx</i> , <b>2016</b> , 50, 14-15	1.5	2

21	A High Throughput Ambient Mass Spectrometric Approach to Species Identification and Classification from Chemical Fingerprint Signatures. <i>Scientific Reports</i> , <b>2015</b> , 5, 11520	4.9	43
20	Forensic timber identification: It's time to integrate disciplines to combat illegal logging. <i>Biological Conservation</i> , <b>2015</b> , 191, 790-798	6.2	114
19	Metabolic chemotypes of CITES protected Dalbergia timbers from Africa, Madagascar, and Asia. <i>Rapid Communications in Mass Spectrometry</i> , <b>2015</b> , 29, 783-8	2.2	38
18	FORENSIC ANALYSIS OF CITES-PROTECTED DALBERGIA TIMBER FROM THE AMERICAS. <i>IAWA Journal</i> , <b>2015</b> , 36, 311-325	2.3	27
17	Distinguishing wild from cultivated agarwood ( <i>Aquilaria</i> spp.) using direct analysis in real time and time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2014</b> , 28, 281-9	2.2	53
16	The Future of Wildlife Forensic Science <b>2012</b> , 343-358		3
15	Evaluating agarwood products for 2-(2-phenylethyl)chromones using direct analysis in real time time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2012</b> , 26, 2649-56	2.2	40
14	Analysis of select Dalbergia and trade timber using direct analysis in real time and time-of-flight mass spectrometry for CITES enforcement. <i>Rapid Communications in Mass Spectrometry</i> , <b>2012</b> , 26, 1147-56	2.2	48
13	Forensic analysis of black coral (Order Antipatharia). <i>Forensic Science International</i> , <b>2012</b> , 216, 73-7	2.6	1
12	Forensic species identification of elephant (Elephantidae) and giraffe (Giraffidae) tail hair using light microscopy. <i>Forensic Science, Medicine, and Pathology</i> , <b>2010</b> , 6, 165-71	1.5	9
11	Forensic identification of elephant and giraffe hair artifacts using HATR FTIR spectroscopy and discriminant analysis. <i>Endangered Species Research</i> , <b>2008</b> , 9, 239-246	2.5	19
10	THE ANALYSIS OF SEA TURTLE AND BOVID KERATIN ARTEFACTS USING DRIFT SPECTROSCOPY AND DISCRIMINANT ANALYSIS*. <i>Archaeometry</i> , <b>2007</b> , 49, 685-698	1.6	25
9	Analysis of fiber blends using horizontal attenuated total reflection Fourier transform infrared and discriminant analysis. <i>Applied Spectroscopy</i> , <b>2006</b> , 60, 386-91	3.1	11
8	IDENTIFYING PYGMY AND DWARF SPERM WHALES (GENUS KOGIA) USING ELECTROSPRAY IONIZATION MASS SPECTROMETRY OF MYOGLOBIN AND HEMOGLOBIN. <i>Marine Mammal Science</i> , <b>2003</b> , 19, 395-399	1.9	5
7	WILDLIFE <b>2000</b> , 1423-1432		
6	Electrospray ionization mass spectrometric analysis of blood for differentiation of species. <i>Analytical Biochemistry</i> , <b>1999</b> , 268, 252-61	3.1	30
5	Toxic Metals in Selected Traditional Chinese Medicinals. <i>Journal of Forensic Sciences</i> , <b>1996</b> , 41, 13934J	1.8	4
4	Identification and Quantitation of Source from Hemoglobin of Blood and Blood Mixtures by High Performance Liquid Chromatography. <i>Journal of Forensic Sciences</i> , <b>1996</b> , 41, 14002J	1.8	14

- 3 Arsenic and mercury in traditional Chinese herbal balls. *New England Journal of Medicine*, **1995**, 333, 803-4. 111
- 2 Characterization of smokeless gunpowder by means of diphenylamine stabilizer and its nitrated derivatives. *Analytica Chimica Acta*, **1994**, 288, 57-69. 6.6 42
- 1 International Trade in Bear Gall Bladders: Forensic Source Inference. *Journal of Forensic Sciences*, **1993**, 38, 13540J. 1.8 10