

Edgard Espinoza

List of Publications by Year in descending order

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39
papers

1,064
citations

471509

17
h-index

414414

32
g-index

42
all docs

42
docs citations

42
times ranked

831
citing authors

#	ARTICLE	IF	CITATIONS
1	Opportunities in phytochemistry, ecophysiology and wood research via laser ablation direct analysis in real time imaging mass spectrometry. <i>New Phytologist</i> , 2022, 234, 319-331.	7.3	4
2	Direct analysis in real-time (DART) time-of-flight mass spectrometry (TOFMS) of wood reveals distinct chemical signatures of two species of <i>Azelia</i> . <i>Annals of Forest Science</i> , 2021, 78, 1.	2.0	8
3	Timber identification of <i>Austranella</i> , <i>Baillonella</i> and <i>Tieghemella</i> in the taxonomically challenging Sapotaceae family. <i>Plant Methods</i> , 2021, 17, 64.	4.3	5
4	Forensic characterization of sea turtle oil by ambient ionization mass spectrometry: <i>Caretta caretta</i> , <i>Chelonia mydas</i> , <i>Dermochelys coriacea</i> , <i>Eretmochelys imbricata</i> , <i>Lepidochelys kempii</i> , and <i>Lepidochelys olivacea</i> . <i>Forensic Science International Animals and Environments</i> , 2021, 1, 100008.	0.8	2
5	The Society for Wildlife Forensic Science standards and guidelines. <i>Forensic Science International Animals and Environments</i> , 2021, 1, 100015.	0.8	3
6	Forensic identification of CITES Appendix I Cupressaceae using anatomy and mass spectrometry. <i>IAWA Journal</i> , 2020, 41, 720-739.	2.7	4
7	Forensic identification of the keratin fibers of South American camelids by ambient ionization mass spectrometry: <i>Vicuña</i> , alpaca and guanaco. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8916.	1.5	5
8	Assessing the natural durability of xylarium specimens: mini-block testing and chemical fingerprinting for small-sized samples. <i>Wood Science and Technology</i> , 2020, 54, 981-1000.	3.2	7
9	Chemical Fingerprinting of Wood Sampled along a Pith-to-Bark Gradient for Individual Comparison and Provenance Identification. <i>Forests</i> , 2020, 11, 107.	2.1	11
10	Assessing utility of handheld laser induced breakdown spectroscopy as a means of <i>Dalbergia</i> speciation. <i>Analyst</i> , The, 2019, 144, 5117-5126.	3.5	9
11	Myth debunked: Keratinous pangolin scales do not contain the analgesic tramadol. <i>Conservation Science and Practice</i> , 2019, 1, e82.	2.0	7
12	A protocol for automated timber species identification using metabolome profiling. <i>Wood Science and Technology</i> , 2019, 53, 953-965.	3.2	27
13	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> , 2018, 32, 2106-2112.	1.5	14
14	Chemical differentiation of Bolivian <i>Cedrela</i> species as a tool to trace illegal timber trade. <i>Forestry</i> , 2018, 91, 603-613.	2.3	17
15	Source Identification of Western Oregon Douglas-Fir Wood Cores Using Mass Spectrometry and Random Forest Classification. <i>Applications in Plant Sciences</i> , 2017, 5, 1600158.	2.1	32
16	Comparison of species classification models of mass spectrometry data: Kernel Discriminant Analysis vs Random Forest; A case study of <i>Pericopsis elata</i> (Harms) Meeuwen). <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1582-1588.	1.5	21
17	Identification of selected CITES-protected <i>Araucariaceae</i> using DART TOFMS. <i>IAWA Journal</i> , 2017, 38, 266-S3.	2.7	25
18	Wildlife forensic science in the investigation of poaching of <i>vicuña</i> . <i>Oryx</i> , 2016, 50, 14-15.	1.0	7

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19	Metabolic chemotypes of CITES protected <i>Dalbergia</i> timbers from Africa, Madagascar, and Asia. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 783-788.	1.5	48
20	FORENSIC ANALYSIS OF CITES-PROTECTED DALBERGIA TIMBER FROM THE AMERICAS. <i>IAWA Journal</i> , 2015, 36, 311-325.	2.7	33
21	A High Throughput Ambient Mass Spectrometric Approach to Species Identification and Classification from Chemical Fingerprint Signatures. <i>Scientific Reports</i> , 2015, 5, 11520.	3.3	57
22	Forensic timber identification: It's time to integrate disciplines to combat illegal logging. <i>Biological Conservation</i> , 2015, 191, 790-798.	4.1	176
23	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> , 2014, 28, 281-289.	1.5	71
24	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> , 2012, 26, 2649-2656.	1.5	48
25	Analysis of select <i>Dalbergia</i> 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> , 2012, 26, 1147-1156.	1.5	63
26	Forensic analysis of black coral (Order Antipatharia). <i>Forensic Science International</i> , 2012, 216, 73-77.	2.2	1
27	Forensic species identification of elephant (Elephantidae) and giraffe (Giraffidae) tail hair using light microscopy. <i>Forensic Science, Medicine, and Pathology</i> , 2010, 6, 165-171.	1.4	14
28	Forensic identification of elephant and giraffe hair artifacts using HATR FTIR spectroscopy and discriminant analysis. <i>Endangered Species Research</i> , 2008, 9, 239-246.	2.4	25
29	THE ANALYSIS OF SEA TURTLE AND BOVID KERATIN ARTEFACTS USING DRIFT SPECTROSCOPY AND DISCRIMINANT ANALYSIS*. <i>Archaeometry</i> , 2007, 49, 685-698.	1.3	33
30	Analysis of Fiber Blends Using Horizontal Attenuated Total Reflection Fourier Transform Infrared and Discriminant Analysis. <i>Applied Spectroscopy</i> , 2006, 60, 386-391.	2.2	11
31	IDENTIFYING PYGMY AND DWARF SPERM WHALES (GENUS KOGIA) USING ELECTROSPRAY IONIZATION MASS SPECTROMETRY OF MYOGLOBIN AND HEMOGLOBIN. <i>Marine Mammal Science</i> , 2003, 19, 395-399.	1.8	7
32	WILDLIFE. , 2000, , 1423-1432.		0
33	Electrospray Ionization Mass Spectrometric Analysis of Blood for Differentiation of Species. <i>Analytical Biochemistry</i> , 1999, 268, 252-261.	2.4	38
34	Toxic Metals in Selected Traditional Chinese Medicinals. <i>Journal of Forensic Sciences</i> , 1996, 41, 453-456.	1.6	7
35	Identification and Quantitation of Source from Hemoglobin of Blood and Blood Mixtures by High Performance Liquid Chromatography. <i>Journal of Forensic Sciences</i> , 1996, 41, 804-811.	1.6	18
36	Arsenic and Mercury in Traditional Chinese Herbal Balls. <i>New England Journal of Medicine</i> , 1995, 333, 803-804.	27.0	133

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37	Characterization of smokeless gunpowder by means of diphenylamine stabilizer and its nitrated derivatives. <i>Analytica Chimica Acta</i> , 1994, 288, 57-69.	5.4	53
38	International Trade in Bear Gall Bladders: Forensic Source Inference. <i>Journal of Forensic Sciences</i> , 1993, 38, 1363-1371.	1.6	13
39	Ivory and Related Materials: An Illustrated Guide. <i>Journal of the American Institute for Conservation</i> , 1992, 31, 261.	0.5	1