

Liliana M. DÃ¡valos

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

5,807
citations

147726

31
h-index

91828

69
g-index

98
all docs

98
docs citations

98
times ranked

9193
citing authors

#	ARTICLE	IF	CITATIONS
1	A communal catalogue reveals Earth's multiscale microbial diversity. <i>Nature</i> , 2017, 551, 457-463.	13.7	1,942
2	Geographical sampling bias and its implications for conservation priorities in Africa. <i>Journal of Biogeography</i> , 2003, 30, 1719-1727.	1.4	323
3	The Nature and Dynamics of Bacterial Genomes. <i>Science</i> , 2006, 311, 1730-1733.	6.0	252
4	Morphological innovation, diversification and invasion of a new adaptive zone. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 1797-1805.	1.2	220
5	Six reference-quality genomes reveal evolution of bat adaptations. <i>Nature</i> , 2020, 583, 578-584.	13.7	210
6	Bat Biology, Genomes, and the Bat1K Project: To Generate Chromosome-Level Genomes for All Living Bat Species. <i>Annual Review of Animal Biosciences</i> , 2018, 6, 23-46.	3.6	166
7	Bats (Chiroptera: Noctilionoidea) Challenge a Recent Origin of Extant Neotropical Diversity. <i>Systematic Biology</i> , 2016, 65, 432-448.	2.7	148
8	Phylogeny and Divergence Times of Lemurs Inferred with Recent and Ancient Fossils in the Tree. <i>Systematic Biology</i> , 2016, 65, 772-791.	2.7	141
9	Forests and Drugs: Coca-Driven Deforestation in Tropical Biodiversity Hotspots. <i>Environmental Science & Technology</i> , 2011, 45, 1219-1227.	4.6	138
10	Understanding phylogenetic incongruence: lessons from phyllostomid bats. <i>Biological Reviews</i> , 2012, 87, 991-1024.	4.7	88
11	Phylogeny and biogeography of Caribbean mammals. <i>Biological Journal of the Linnean Society</i> , 2004, 81, 373-394.	0.7	87
12	Anthropogenic Extinction Dominates Holocene Declines of West Indian Mammals. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2017, 48, 301-327.	3.8	85
13	SELECTION FOR MECHANICAL ADVANTAGE UNDERLIES MULTIPLE CRANIAL OPTIMA IN NEW WORLD LEAF-NOSED BATS. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 1436-1449.	1.1	81
14	Integrating Incomplete Fossils by Isolating Conflicting Signal in Saturated and Non-Independent Morphological Characters. <i>Systematic Biology</i> , 2014, 63, 582-600.	2.7	80
15	The San Lucas mountain range in Colombia: how much conservation is owed to the violence?. <i>Biodiversity and Conservation</i> , 2001, 10, 69-78.	1.2	69
16	Exploring population genetic structure in three species of Lesser Antillean bats. <i>Molecular Ecology</i> , 2004, 13, 2557-2566.	2.0	64
17	A Cluster of Olfactory Receptor Genes Linked to Frugivory in Bats. <i>Molecular Biology and Evolution</i> , 2014, 31, 917-927.	3.5	64
18	Deforestation and Coca Cultivation Rooted in Twentieth-Century Development Projects. <i>BioScience</i> , 2016, 66, 974-982.	2.2	60

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19	The geography of diversification in the mormoopids (Chiroptera: Mormoopidae). <i>Biological Journal of the Linnean Society</i> , 2006, 88, 101-118.	0.7	57
20	Dynamic recruitment of amino acid transporters to the insect/symbiont interface. <i>Molecular Ecology</i> , 2014, 23, 1608-1623.	2.0	57
21	Detecting the Immune System Response of a 500 Year-Old Inca Mummy. <i>PLoS ONE</i> , 2012, 7, e41244.	1.1	57
22	Saturation and base composition bias explain phylogenomic conflict in <i>Plasmodium</i> . <i>Genomics</i> , 2008, 91, 433-442.	1.3	56
23	Parallel Molecular Evolution in Pathways, Genes, and Sites in High-Elevation Hummingbirds Revealed by Comparative Transcriptomics. <i>Genome Biology and Evolution</i> , 2019, 11, 1573-1585.	1.1	49
24	Morphological Diversification under High Integration in a Hyper Diverse Mammal Clade. <i>Journal of Mammalian Evolution</i> , 2020, 27, 563-575.	1.0	49
25	Demand for beef is unrelated to pasture expansion in northwestern Amazonia. <i>Biological Conservation</i> , 2014, 170, 64-73.	1.9	48
26	Short-faced bats (Phyllostomidae: Stenodermatina): a Caribbean radiation of strict frugivores. <i>Journal of Biogeography</i> , 2007, 34, 364-375.	1.4	47
27	Divergent Fine-Scale Recombination Landscapes between a Freshwater and Marine Population of Threespine Stickleback Fish. <i>Genome Biology and Evolution</i> , 2019, 11, 1552-1572.	1.1	44
28	Multifactorial processes underlie parallel opsin loss in neotropical bats. <i>ELife</i> , 2018, 7, .	2.8	41
29	Molecular phylogeny of funnel-eared bats (Chiroptera: Natalidae), with notes on biogeography and conservation. <i>Molecular Phylogenetics and Evolution</i> , 2005, 37, 91-103.	1.2	40
30	Assessing Soft-Tissue Shrinkage Estimates in Museum Specimens Imaged With Diffusible Iodine-Based Contrast-Enhanced Computed Tomography (diceCT). <i>Microscopy and Microanalysis</i> , 2018, 24, 284-291.	0.2	40
31	Large-scale genome sampling reveals unique immunity and metabolic adaptations in bats. <i>Molecular Ecology</i> , 2021, 30, 6449-6467.	2.0	40
32	No peace for the forest: Rapid, widespread land changes in the Andes-Amazon region following the Colombian civil war. <i>Global Environmental Change</i> , 2021, 69, 102283.	3.6	38
33	A Bayesian Spatial Model Highlights Distinct Dynamics in Deforestation from Coca and Pastures in an Andean Biodiversity Hotspot. <i>Forests</i> , 2015, 6, 3828-3846.	0.9	37
34	Illicit Crops and Bird Conservation Priorities in Colombia. <i>Conservation Biology</i> , 2002, 16, 1086-1096.	2.4	36
35	Keeping it simple: flowering plants tend to retain, and revert to, simple leaves. <i>New Phytologist</i> , 2012, 193, 481-493.	3.5	34
36	West Indian Mammals. , 2012, , 157-202.		34

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37	Eating down the food chain: generalism is not an evolutionary dead end for herbivores. <i>Ecology Letters</i> , 2018, 21, 402-410.	3.0	33
38	Fire-induced loss of the world's most biodiverse forests in Latin America. <i>Science Advances</i> , 2021, 7, .	4.7	33
39	<i>Trpc2</i> pseudogenization dynamics in bats reveal ancestral vomeronasal signaling, then pervasive loss. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 923-935.	1.1	32
40	Molecular adaptation and convergent evolution of frugivory in Old World and neotropical fruit bats. <i>Molecular Ecology</i> , 2020, 29, 4366-4381.	2.0	32
41	Disabusing cocaine: Pervasive myths and enduring realities of a globalised commodity. <i>International Journal of Drug Policy</i> , 2009, 20, 381-386.	1.6	26
42	Out of the Antilles: Fossil phylogenies support reverse colonization of bats to South America. <i>Journal of Biogeography</i> , 2018, 45, 859-873.	1.4	26
43	Sex-biased dispersal produces high error rates in mitochondrial distance-based and tree-based species delimitation. <i>Journal of Mammalogy</i> , 2014, 95, 781-791.	0.6	25
44	Curb land grabbing to save the Amazon. <i>Nature Ecology and Evolution</i> , 2019, 3, 1497-1497.	3.4	25
45	Deglaciation explains bat extinction in the Caribbean. <i>Ecology and Evolution</i> , 2012, 2, 3045-3051.	0.8	24
46	Recent extinctions disturb path to equilibrium diversity in Caribbean bats. <i>Nature Ecology and Evolution</i> , 2017, 1, 26.	3.4	24
47	Dietary Diversification and Specialization in Neotropical Bats Facilitated by Early Molecular Evolution. <i>Molecular Biology and Evolution</i> , 2021, 38, 3864-3883.	3.5	24
48	Drug pollution & Sustainable Development Goals. <i>Science of the Total Environment</i> , 2021, 800, 149412.	3.9	24
49	PHYLOGENY OF THE LONCHOPHYLLINI (CHIROPTERA: PHYLLOSTOMIDAE). <i>Journal of Mammalogy</i> , 2004, 85, 404-413.	0.6	23
50	Amino acid transporter expansions associated with the evolution of obligate endosymbiosis in sap-feeding insects (Hemiptera: Sternorrhyncha). <i>BMC Evolutionary Biology</i> , 2015, 15, 52.	3.2	22
51	Find the food first: An omnivorous sensory morphotype predates biomechanical specialization for plant based diets in phyllostomid bats*. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 2791-2801.	1.1	21
52	Spatial autocorrelation reduces model precision and predictive power in deforestation analyses. <i>Ecosphere</i> , 2017, 8, e01824.	1.0	21
53	Molecular evolution of growth hormone and insulin-like growth factor 1 receptors in long-lived, small-bodied mammals. <i>Gene</i> , 2014, 549, 228-236.	1.0	19
54	Foraging shifts and visual preadaptation in ecologically diverse bats. <i>Molecular Ecology</i> , 2020, 29, 1839-1859.	2.0	19

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55	Accounting for molecular stochasticity in systematic revisions: Species limits and phylogeny of <i>Paroaria</i> . <i>Molecular Phylogenetics and Evolution</i> , 2009, 53, 234-248.	1.2	18
56	From the Field to the Lab: Best Practices for Field Preservation of Bat Specimens for Molecular Analyses. <i>PLoS ONE</i> , 2015, 10, e0118994.	1.1	18
57	Opposition Support and the Experience of Violence Explain Colombian Peace Referendum Results. <i>Journal of Politics in Latin America</i> , 2018, 10, 99-122.	0.7	18
58	Colonial Legacies Influence Biodiversity Lessons: How Past Trade Routes and Power Dynamics Shape Present-Day Scientific Research and Professional Opportunities for Caribbean Scientists. <i>American Naturalist</i> , 2022, 200, 140-155.	1.0	18
59	Bayesian hierarchical models suggest oldest known plant-visiting bat was omnivorous. <i>Biology Letters</i> , 2015, 11, 20150501.	1.0	17
60	Protocols for the Molecular Evolutionary Analysis of Membrane Protein Gene Duplicates. <i>Methods in Molecular Biology</i> , 2019, 1851, 49-62.	0.4	16
61	Evaluating the performance of targeted sequence capture, RNA-seq, and degenerate-primer PCR cloning for sequencing the largest mammalian multigene family. <i>Molecular Ecology Resources</i> , 2020, 20, 140-153.	2.2	15
62	Integrating remotely sensed fires for predicting deforestation for REDD+. <i>Ecological Applications</i> , 2017, 27, 1294-1304.	1.8	13
63	Expressed Vomeronasal Type-1 Receptors (V1rs) in Bats Uncover Conserved Sequences Underlying Social Chemical Signaling. <i>Genome Biology and Evolution</i> , 2019, 11, 2741-2749.	1.1	13
64	Pandemics' historical role in creating inequality. <i>Science</i> , 2020, 368, 1322-1323.	6.0	13
65	Social Investment and Smallholder Coca Cultivation in Colombia. <i>Journal of Development Studies</i> , 2020, 56, 1118-1140.	1.2	12
66	A New Chocoan Species of <i>Lonchophylla</i> (Chiroptera: Phyllostomidae). <i>American Museum Novitates</i> , 2004, 3426, 1-14.	0.2	11
67	Fruit odorants mediate co-specialization in a multispecies plant-animal mutualism. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210312.	1.2	11
68	A new species of <i>Lonchophylla</i> (Chiroptera: Phyllostomidae) from the eastern Andes of northwestern South America. <i>American Museum Novitates</i> , 2008, 3635, 1.	0.2	10
69	Tissue Collection of Bats for -Omics Analyses and Primary Cell Culture. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	10
70	The allometry of daily energy expenditure in hummingbirds: An energy budget approach. <i>Journal of Animal Ecology</i> , 2020, 89, 1254-1261.	1.3	10
71	Pervasive Genomic Signatures of Local Adaptation to Altitude Across Highland Specialist Andean Hummingbird Populations. <i>Journal of Heredity</i> , 2021, 112, 229-240.	1.0	10
72	Diversity in olfactory receptor repertoires is associated with dietary specialization in a genus of frugivorous bat. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	10

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73	Strength of selection on the <i>Trpc2</i> gene predicts accessory olfactory bulb form in bat vomeronasal evolution. <i>Biological Journal of the Linnean Society</i> , 2018, 123, 796-804.	0.7	9
74	Updated distribution maps for neotropical bats in the superfamily Noctilionoidea. <i>Ecology</i> , 2018, 99, 2131-2131.	1.5	9
75	Title is missing!. <i>Biodiversity and Conservation</i> , 2003, 12, 1511-1524.	1.2	8
76	Nectar-feeding bats and birds show parallel molecular adaptations in sugar metabolism enzymes. <i>Current Biology</i> , 2021, 31, 4667-4674.e6.	1.8	7
77	Contradictory Phylogenetic Signals in the Laurasiatheria Anomaly Zone. <i>Genes</i> , 2022, 13, 766.	1.0	7
78	Records of the Cave-Dwelling Bats (Mammalia: Chiroptera) of Hispaniola with an Examination of Seasonal Variation in Diversity. <i>Acta Chiropterologica</i> , 2016, 18, 269-278.	0.2	6
79	Identifying Municipal Risk Factors for Leftist Guerrilla Violence in Colombia. <i>Peace Economics, Peace Science and Public Policy</i> , 2018, 24, .	0.3	5
80	Using Case Studies to Improve the Critical Thinking Skills of Undergraduate Conservation Biology Students. <i>Case Studies in the Environment</i> , 2021, 5, .	0.4	5
81	A coalescent-based estimator of genetic drift, and acoustic divergence in the <i>Pteronotus parnellii</i> species complex. <i>Heredity</i> , 2019, 122, 417-427.	1.2	4
82	The future of psychiatry should be One Health. <i>Reviews on Environmental Health</i> , 2023, 38, 399-400.	1.1	4
83	Where the wild things were: intrinsic and extrinsic extinction predictors in the world's most depleted mammal fauna. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20202905.	1.2	3
84	An horizon scan of biogeography. <i>Frontiers of Biogeography</i> , 2013, 5, .	0.8	3
85	Forests, Coca, and Conflict: Grass Frontier Dynamics and Deforestation in the Amazon-Andes. <i>Journal of Illicit Economies and Development</i> , 2021, 3, 74.	0.2	2
86	<i>Bats and Viruses: Current Research and Future Trends</i> . Edited by Eugenia Corrales-Aguilar and Martin Schwemmler. Norfolk (United Kingdom): Caister Academic Press. \$319.00 (paper). iv + 224 p.; ill.; index. ISBN: 978-1-912530-14-4 (pb); 978-1-912530-15-1 (eb). 2020.. <i>Quarterly Review of Biology</i> , 2021, 96, 140-141.	0.0	0
87	The River-Refuge Hypothesis and Other Contributions of MÃrcio Ayres to Conservation Science. , 2011, , 315-322.		0
88	<i>Handbook of the Mammals of the World. Volume 9: Bats</i> . Chief Editors: Don E. Wilson and Russell A. Mittermeier; Associate Editors: Albert MartÃnez Vilalta, David Leslie Jr. Marc OlivÃ©, and Andrew Elliott; Color Plates Illustrators: Ilian Velikoy, Ãlex Mascarell, LluÃs Sogorb, Blanca MartÃ, Francesc Jutglar, Faansie Peacock, and JesÃs RodrÃguez-Osorio; Photographic Editor: JosÃ© Luis Copete; Authors: Luis F. Aguirre et al. Barcelona (Spain): Lynx Edicions. <i>Ã, 160.00. 1008 p.; ill.; index. ISBN: 978-84-. <i>Quarterly Review of Biology</i> , 2020, 95, 255-256.	0.0	0