

Maria da Luz Mathias

List of Publications by Year in descending order

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88
papers

1,877
citations

279798

23
h-index

302126

39
g-index

90
all docs

90
docs citations

90
times ranked

1879
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissimilar use of an external heat source for thermoregulation by shrews from different geographic regions. <i>Journal of Thermal Biology</i> , 2022, 104, 103193.	2.5	0
2	MAMMALS IN PORTUGAL : A data set of terrestrial, volant, and marine mammal occurrences in Portugal. <i>Ecology</i> , 2022, , e3654.	3.2	1
3	Urban populations of shrews show larger behavioural differences among individuals than rural populations. <i>Animal Behaviour</i> , 2022, 187, 35-46.	1.9	7
4	Differential Impact of Forest Fragmentation on Fluctuating Asymmetry in South Amazonian Small Mammals. <i>Symmetry</i> , 2022, 14, 981.	2.2	2
5	Multimarker approach to assess the exposure of the wild rodent <i>Calomys laucha</i> to a simulated crude oil spill. <i>Environmental Science and Pollution Research</i> , 2021, 28, 2236-2244.	5.3	5
6	Behavioral responses of rural and urban greater white-toothed shrews (<i>Crocidura russula</i>) to sound disturbance. <i>Urban Ecosystems</i> , 2021, 24, 851-862.	2.4	3
7	Evidence of micro-evolution in <i>Crocidura russula</i> from two abandoned heavy metal mines: potential use of <i>Cytb</i> , <i>CYP1A1</i> , and <i>p53</i> as gene biomarkers. <i>Ecotoxicology</i> , 2021, 30, 1969-1982.	2.4	2
8	Variation and Selection in the Putative Sperm-Binding Region of ZP3 in Muroid Rodents: A Comparison between Cricetids and Murines. <i>Genes</i> , 2021, 12, 1450.	2.4	0
9	Social thermoregulation in Mediterranean greater white-toothed shrews (<i>Crocidura russula</i>). <i>Behavioral Ecology and Sociobiology</i> , 2021, 75, 1.	1.4	1
10	Genetic variation at the <i>p53</i> locus of two ecologically divergent <i>Microtus</i> pine voles: identification of molecular markers for species assignment. <i>Integrative Zoology</i> , 2021, , .	2.6	0
11	Metabolic and behavioral adaptations of greater white-toothed shrews to urban conditions. <i>Behavioral Ecology</i> , 2020, 31, 1334-1343.	2.2	8
12	Spatial and Temporal Dynamics of Contact Zones Between Chromosomal Races of House Mice, <i>Mus musculus domesticus</i> , on Madeira Island. <i>Genes</i> , 2020, 11, 748.	2.4	3
13	Effects of predation risk on the body mass regulation of growing wood mice. <i>Journal of Zoology</i> , 2020, 312, 122-132.	1.7	3
14	Individual behavior, behavioral stability, and pace of life within and among five shrew species. <i>Behavioral Ecology and Sociobiology</i> , 2020, 74, 1.	1.4	8
15	Population effects of heavy metal pollution in wild Algerian mice (<i>Mus spretus</i>). <i>Ecotoxicology and Environmental Safety</i> , 2019, 171, 414-424.	6.0	16
16	PRDM9 Diversity at Fine Geographical Scale Reveals Contrasting Evolutionary Patterns and Functional Constraints in Natural Populations of House Mice. <i>Molecular Biology and Evolution</i> , 2019, 36, 1686-1700.	8.9	17
17	Energetics and thermal adaptation in semifossorial pine-voles <i>Microtus lusitanicus</i> and <i>Microtus duodecimcostatus</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2019, 189, 309-318.	1.5	5
18	Mapping Knowledge Gaps of Mozambique's Terrestrial Mammals. <i>Scientific Reports</i> , 2019, 9, 18184.	3.3	6

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19	The role of competition in driving species global distributions: Soricid shrews as a case study. <i>Journal of Biogeography</i> , 2019, 46, 134-144.	3.0	7
20	Reproductive isolation between sister species of Iberian pine voles, <i>Microtus duodecimcostatus</i> and <i>M. lusitanicus</i> . <i>Ethology Ecology and Evolution</i> , 2019, 31, 121-139.	1.4	4
21	The terrestrial mammals of Mozambique: Integrating dispersed biodiversity data. <i>Bothalia</i> , 2018, 48, .	0.3	10
22	<i>Mus spretus</i> as an environmental sentinel: A review of 17 years (1998â€“2015) of research in Mediterranean Europe. <i>Ecological Indicators</i> , 2017, 73, 61-67.	6.3	3
23	<i>Microtus agrestis</i> (Rodentia: Cricetidae). <i>Mammalian Species</i> , 2017, 49, 23-39.	0.7	9
24	Olfactory receptors and behavioural isolation: a study on <i>Microtus</i> voles. <i>Mammal Research</i> , 2016, 61, 399-407.	1.3	1
25	<i>R2d2</i> Drives Selfish Sweeps in the House Mouse. <i>Molecular Biology and Evolution</i> , 2016, 33, 1381-1395.	8.9	55
26	Phylogeny and adaptation shape the teeth of insular mice. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20152820.	2.6	35
27	Phenotypic flexibility in the energetic strategy of the greater white-toothed shrew, <i>Crocidura russula</i> . <i>Journal of Thermal Biology</i> , 2016, 56, 10-17.	2.5	11
28	Predation risk modulates dietâ€“induced obesity in male <i>C57BL/6</i> mice. <i>Obesity</i> , 2015, 23, 2059-2065.	3.0	13
29	p53 gene discriminates two ecologically divergent sister species of pine voles. <i>Heredity</i> , 2015, 115, 444-451.	2.6	3
30	Of mice and the "Age of Discovery": the complex history of colonization of the Azorean archipelago by the house mouse (<i>Mus musculus</i>) as revealed by mitochondrial DNA variation. <i>Journal of Evolutionary Biology</i> , 2015, 28, 130-145.	1.7	28
31	Pair-bonding behaviour of the sister species <i>Microtus lusitanicus</i> and <i>M. duodecimcostatus</i> . <i>Journal of Ethology</i> , 2015, 33, 213-223.	0.8	5
32	Behavioural and physiological responses of wood mice (<i>Apodemus sylvaticus</i>) to experimental manipulations of predation and starvation risk. <i>Physiology and Behavior</i> , 2015, 149, 331-339.	2.1	24
33	Geno- and Cyto-toxicity in Free-Living Rodent <i>Mus spretus</i> Exposed to Simulated Onshore Oil Spill. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2013, 91, 465-468.	2.7	8
34	Origin of the chromosomal radiation of Madeiran house mice: a microsatellite analysis of metacentric chromosomes. <i>Heredity</i> , 2013, 110, 380-388.	2.6	20
35	Ecological release: swimming and diving behavior of an allopatric population of the Mediterranean water shrew. <i>Journal of Mammalogy</i> , 2013, 94, 29-39.	1.3	4
36	Genetic structure of house mouse (<i>Mus musculus</i> Linnaeus 1758) populations in the Atlantic archipelago of the Azores: colonization and dispersal. <i>Biological Journal of the Linnean Society</i> , 2013, 108, 929-940.	1.6	10

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37	Indicators for Management of Urban Biodiversity and Ecosystem Services: City Biodiversity Index. , 2013, , 699-718.		27
38	Revisi3n a nivel ib3rico de la distribuci3n del topillo de Cabrera o iber3n, Iberomys cabreræ (Thomas,) Tj ETQq0 0 0 rgBT /Overlock 0.2 8	0.2	8
39	Genotoxic Effect of Inhaled Ambient Particulate Matter. Microscopy and Microanalysis, 2012, 18, 25-26.	0.4	0
40	Deep mitochondrial introgression and hybridization among ecologically divergent vole species. Molecular Ecology, 2012, 21, 5309-5323.	3.9	33
41	The influence of local, landscape and spatial factors on the distribution of the Lusitanian and the Mediterranean pine voles in a Mediterranean landscape. Mammalian Biology, 2011, 76, 133-142.	1.5	7
42	Of Mice and 3Convicts3™: Origin of the Australian House Mouse, Mus musculus. PLoS ONE, 2011, 6, e28622.	2.5	48
43	Fertility assessment in hybrids between monobrachially homologous Rb races of the house mouse from the island of Madeira: implications for modes of chromosomal evolution. Heredity, 2011, 106, 348-356.	2.6	31
44	Living on the Edge: Can Eurasian Red Squirrels (Sciurus vulgaris) Persist in Extreme High-elevation Habitats?. Arctic, Antarctic, and Alpine Research, 2010, 42, 106-112.	1.1	11
45	Local coexistence and niche differences between the Lusitanian and Mediterranean pine voles (<i>Microtus lusitanicus</i> and <i>M. duodecimcostatus</i>). Ecological Research, 2010, 25, 1019-1031.	1.5	8
46	Spatial and temporal ecology of the Lusitanian pine vole (Microtus lusitanicus) in a Mediterranean polyculture. Animal Biology, 2010, 60, 209-227.	1.0	8
47	Detection of Antibodies Against<i>Anaplasma phagocytophilum</i>in Algerian Mice (<i>Mus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 4	1.5	4
48	Odor preference in house mice: influences of habitat heterogeneity and chromosomal incompatibility. Behavioral Ecology, 2009, 20, 1252-1261.	2.2	8
49	Using presence signs to discriminate between similar species. Integrative Zoology, 2009, 4, 258-264.	2.6	9
50	Molecular insights into the colonization and chromosomal diversification of Madeiran house mice. Molecular Ecology, 2009, 18, 4477-4494.	3.9	43
51	Induction of micronuclei and sister chromatid exchange in bone-marrow cells and abnormalities in sperm of Algerian mice (Mus spretus) exposed to cadmium, lead and zinc. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2009, 678, 59-64.	1.7	52
52	Factors influencing large-scale distribution of two sister species of pine voles (Microtus lusitanicus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Zoology, 2009, 87, 1227-1240.	1.0	17
53	Is habitat selection by the Cabrera vole (Microtus cabreræ) related to food preferences?. Mammalian Biology, 2008, 73, 423-429.	1.5	10
54	Haematology, genotoxicity, enzymatic activity and histopathology as biomarkers of metal pollution in the shrew Crocidura russula. Environmental Pollution, 2008, 156, 1332-1339.	7.5	30

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55	Metallothionein levels in Algerian mice (<i>Mus spretus</i>) exposed to elemental pollution: An ecophysiological approach. <i>Chemosphere</i> , 2008, 71, 1340-1347.	8.2	24
56	Environmental determinants of the distribution of the Cabrera vole (<i>Microtus cabrerae</i>) in Portugal: Implications for conservation. <i>Mammalian Biology</i> , 2008, 73, 102-110.	1.5	22
57	Residues of DDT and other organochlorines in small mammals from Central Portugal. <i>Mammalia</i> , 2007, 71, .	0.7	2
58	Metal bioaccumulation in the greater white-toothed shrew, <i>Crocidura russula</i> , inhabiting an abandoned pyrite mine site. <i>Chemosphere</i> , 2007, 67, 121-130.	8.2	43
59	Post-fire recolonisation of a montado area by the endangered Cabrera vole (<i>Microtus cabrerae</i>). <i>International Journal of Wildland Fire</i> , 2007, 16, 450.	2.4	14
60	Patterns of genic diversity and structure in a species undergoing rapid chromosomal radiation: an allozyme analysis of house mice from the Madeira archipelago. <i>Heredity</i> , 2007, 99, 432-442.	2.6	32
61	How does the greater white-toothed shrew, <i>Crocidura russula</i> , responds to long-term heavy metal contamination? " A case study. <i>Science of the Total Environment</i> , 2007, 376, 128-133.	8.0	21
62	Do chromosomal hybrids necessarily suffer from developmental instability?. <i>Biological Journal of the Linnean Society</i> , 2006, 88, 33-43.	1.6	4
63	Effects of climate on oxygen consumption and energy intake of chromosomally divergent populations of the House Mouse (<i>Mus musculus domesticus</i>) from the island of Madeira (North Atlantic.) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i>	1.8	15
64	An Assessment of Time-Dependent Effects of Lead Exposure in Algerian Mice (<i>Mus spretus</i>) Using Different Methodological Approaches. <i>Biological Trace Element Research</i> , 2006, 109, 075-090.	3.5	21
65	Vegetation analysis in colonies of an endangered rodent, the Cabrera vole (<i>Microtus cabrerae</i>), in southern Portugal. <i>Ecological Research</i> , 2006, 21, 197-207.	1.5	21
66	Influence of physical environmental characteristics and anthropogenic factors on the position and structure of a contact zone between two chromosomal races of the house mouse on the island of Madeira (North Atlantic, Portugal). <i>Journal of Biogeography</i> , 2005, 32, 2123-2134.	3.0	18
67	AgNOR variability among Robertsonian races of the house mouse from the island of Madeira: implications for patterns of Rb fusion formation and genetic differentiation. <i>Biological Journal of the Linnean Society</i> , 2005, 84, 585-591.	1.6	10
68	Chromosomal phylogeny of Robertsonian races of the house mouse on the island of Madeira: testing between alternative mutational processes. <i>Genetical Research</i> , 2005, 86, 171-183.	0.9	46
69	Adaptive energetics in house mice, <i>Mus musculus domesticus</i> , from the island of Porto Santo (Madeira) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i> <i>Integrative Physiology</i> , 2004, 137, 703-709.	1.8	15
70	Molecular phylogeny of the speciose vole genus <i>Microtus</i> (Arvicolinae, Rodentia) inferred from mitochondrial DNA sequences. <i>Molecular Phylogenetics and Evolution</i> , 2004, 33, 647-663.	2.7	283
71	Metabolism and thermoregulation in the Cabrera vole (Rodentia: <i>Microtus cabrerae</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2003, 136, 441-446.	1.8	17
72	Hepatic elemental contents and antioxidant enzyme activities in Algerian mice (<i>Mus spretus</i>) inhabiting a mine area in central Portugal. <i>Science of the Total Environment</i> , 2003, 311, 101-109.	8.0	31

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73	The non-random occurrence of Robertsonian fusion in the house mouse. <i>Genetical Research</i> , 2003, 81, 33-42.	0.9	34
74	Influence of Age, Sex, and Sexual Activity on Trace Element Levels and Antioxidant Enzyme Activities in Field Mice (<i>Apodemus sylvaticus</i> and <i>Mus spretus</i>). <i>Biological Trace Element Research</i> , 2002, 85, 227-239.	3.5	25
75	Morphological and haematological parameters in the Algerian mouse (<i>Mus spretus</i>) inhabiting an area contaminated with heavy metals. <i>Environmental Pollution</i> , 2001, 113, 87-93.	7.5	44
76	Developmental Instability in a Riparian Population of the Algerian Mouse (<i>Mus spretus</i>) Associated with a Heavy Metal "Polluted Area in Central Portugal. <i>Archives of Environmental Contamination and Toxicology</i> , 2001, 41, 515-521.	4.1	28
77	Molecular studies on the colonization of the Madeiran archipelago by house mice. <i>Molecular Ecology</i> , 2001, 10, 2023-2029.	3.9	52
78	Response of antioxidant enzymes in freshwater fish populations (<i>Leuciscus alburnoides</i> complex) to inorganic pollutants exposure. <i>Science of the Total Environment</i> , 2001, 280, 153-163.	8.0	137
79	Rapid chromosomal evolution in island mice. <i>Nature</i> , 2000, 403, 158-158.	27.8	146
80	Rodents and <i>Leptospira</i> transmission risk in Terceira island (Azores). <i>European Journal of Epidemiology</i> , 2000, 16, 1151-1157.	5.7	32
81	New data on allele frequencies of coat phenotypes of cats from Madeira and Azores islands (North) Tj ETQq1 1 0.784314 rgBT /Overlo	1.1	1
82	First epidemiological data on pathogenic leptospires isolated on the Azorean islands. <i>European Journal of Epidemiology</i> , 1997, 13, 435-441.	5.7	26
83	On the origin and colonization of house mice in the Madeira Islands. <i>Biological Journal of the Linnean Society</i> , 1992, 46, 13-24.	1.6	7
84	Morphology of the incisors and the burrowing activity of Mediterranean and Lusitanian pine voles (<i>Mammalia</i> , <i>Rodentia</i>). <i>Mammalia</i> , 1990, 54, .	0.7	10
85	<i>Arvicola terrestris monticola</i> de SÃ©lys-Longchamps, 1838 new to Portugal (<i>Rodentia</i> , <i>Arvicolidae</i>). <i>Mammalia</i> , 1988, 52, .	0.7	1
86	Distribution of alien tetrapods in the Iberian Peninsula. <i>NeoBiota</i> , 0, 64, 1-21.	1.0	7
87	Mapping the Impact of Digitisation for Poorly Documented Countries: Mozambique as a case study. <i>Biodiversity Information Science and Standards</i> , 0, 3, .	0.0	0
88	Sharing the Decision Process Framework to Identify Well-supported Records of Mammal Species-occurrence in Mozambique. <i>Biodiversity Information Science and Standards</i> , 0, 3, .	0.0	0