Ana Riesgo

List of Publications by Year
in descending order

86 papers	2,683 citations	218592 26 h-index	233338 45 g-index
97 all docs	97 docs citations	97 times ranked	2964 citing authors

#	Article	IF	Citations
1	Revisiting metazoan phylogeny with genomic sampling of all phyla. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190831.	1.2	229
2	The Analysis of Eight Transcriptomes from All Poriferan Classes Reveals Surprising Genetic Complexity in Sponges. Molecular Biology and Evolution, 2014, 31, 1102-1120.	3.5	211
3	Comparative description of ten transcriptomes of newly sequenced invertebrates and efficiency estimation of genomic sampling in non-model taxa. Frontiers in Zoology, 2012, 9, 33.	0.9	114
4	Sterol and genomic analyses validate the sponge biomarker hypothesis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2684-2689.	3.3	110
5	Sponges as natural environmental DNA samplers. Current Biology, 2019, 29, R401-R402.	1.8	93
6	Evolutionary origins of sensation in metazoans: functional evidence for a new sensory organ in sponges. BMC Evolutionary Biology, 2014, 14, 3.	3.2	92
7	Support for a clade of Placozoa and Cnidaria in genes with minimal compositional bias. ELife, 2018, 7, .	2.8	82
8	Gametogenesis, embryogenesis, and larval features of the oviparous sponge Petrosia ficiformis (Haplosclerida, Demospongiae). Marine Biology, 2009, 156, 2181-2197.	0.7	75
9	Epithelia, an Evolutionary Novelty of Metazoans. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2012, 318, 438-447.	0.6	75
10	Tracing animal genomic evolution with the chromosomal-level assembly of the freshwater sponge Ephydatia muelleri. Nature Communications, 2020, 11, 3676.	5.8	72
11	Dynamics of gametogenesis, embryogenesis, and larval release in a Mediterranean homosclerophorid demosponge. Marine and Freshwater Research, 2007, 58, 398.	0.7	71
12	Differences in reproductive timing among sponges sharing habitat and thermal regime. Invertebrate Biology, 2008, 127, 357-367.	0.3	64
13	The environmental impact of Mediterranean cage fish farms at semi-exposed locations: does it need a re-assessment?. Helgoland Marine Research, 2005, 59, 121-135.	1.3	58
14	Revisiting silicon budgets at a tropical continental shelf: Silica standing stocks in sponges surpass those in diatoms. Limnology and Oceanography, 2010, 55, 2001-2010.	1.6	50
15	Reproduction in a carnivorous sponge: the significance of the absence of an aquiferous system to the sponge body plan. Evolution & Development, 2007, 9, 618-631.	1.1	48
16	Reproductive output in a Mediterranean population of the homosclerophoridCorticium candelabrum(Porifera, Demospongiae), with notes on the ultrastructure and behavior of the larva. Marine Ecology, 2008, 29, 298-316.	0.4	48
17	Optimization of preservation and storage time of sponge tissues to obtain quality mRNA for nextâ€generation sequencing. Molecular Ecology Resources, 2012, 12, 312-322.	2.2	48
18	Reconstruction of Family-Level Phylogenetic Relationships within Demospongiae (Porifera) Using Nuclear Encoded Housekeeping Genes. PLoS ONE, 2013, 8, e50437.	1.1	47

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19	The Syllis gracilis species complex: A molecular approach to a difficult taxonomic problem (Annelida,) Tj ETQq1 1 0.784314 rgBT /Over	1.2	47
20	Transcriptomic analysis of differential host gene expression upon uptake of symbionts: a case study with Symbiodinium and the major bioeroding sponge Cliona varians. BMC Genomics, 2014, 15, 376.	1.2	41
21	Evolutionary recruitment of flexible Esrp-dependent splicing programs into diverse embryonic morphogenetic processes. Nature Communications, 2017, 8, 1799.	5.8	40
22	Evolutionary patterns in Antarctic marine invertebrates: An update on molecular studies. Marine Genomics, 2015, 23, 1-13.	0.4	37
23	Implications of population connectivity studies for the design of marine protected areas in the deep sea: An example of a demosponge from the Clarionâ€Clipperton Zone. Molecular Ecology, 2018, 27, 4657-4679.	2.0	37
24	Inferring the ancestral sexuality and reproductive condition in sponges (Porifera). Zoologica Scripta, 2014, 43, 101-117.	0.7	35
25	Population structure and connectivity in the Mediterranean sponge Ircinia fasciculata are affected by mass mortalities and hybridization. Heredity, 2016, 117, 427-439.	1.2	33
26	Intra-epithelial spicules in a homosclerophorid sponge. Cell and Tissue Research, 2007, 328, 639-650.	1.5	31
27	Towards the identification of ancestrally shared regenerative mechanisms across the Metazoa: A Transcriptomic case study in the Demosponge Halisarca caerulea. Marine Genomics, 2018, 37, 135-147.	0.4	31
28	Straightening the striped chaos: systematics and evolution of Trypanosyllis and the case of its pseudocryptic type species Trypanosyllis krohnii (Annelida, Syllidae). Zoological Journal of the Linnean Society, 2017, 179, 492-540.	1.0	27
29	Bone-Eating Worms Spread: Insights into Shallow-Water Osedax (Annelida, Siboglinidae) from Antarctic, Subantarctic, and Mediterranean Waters. PLoS ONE, 2015, 10, e0140341.	1.1	26
30	Pheromone Evolution, Reproductive Genes, and Comparative Transcriptomics in Mediterranean Earthworms (Annelida, Oligochaeta, Hormogastridae). Molecular Biology and Evolution, 2013, 30, 1614-1629.	3.5	24
31	Population substructure and signals of divergent adaptive selection despite admixture in the sponge Dendrilla antarctica from shallow waters surrounding the Antarctic Peninsula. Molecular Ecology, 2019, 28, 3151-3170.	2.0	23
32	Ultrastructure of oogenesis of two oviparous demosponges: Axinella damicornis and Raspaciona aculeata (Porifera). Tissue and Cell, 2009, 41, 51-65.	1.0	22
33	Advancing genomics through the Global Invertebrate Genomics Alliance (GIGA). Invertebrate Systematics, 2017, 31, 1.	0.5	22
34	Symbiosis, Selection, and Novelty: Freshwater Adaptation in the Unique Sponges of Lake Baikal. Molecular Biology and Evolution, 2019, 36, 2462-2480.	3.5	22
35	Genetic diversity, connectivity and gene flow along the distribution of the emblematic Atlanto-Mediterranean sponge Petrosia ficiformis (Haplosclerida, Demospongiae). BMC Evolutionary Biology, 2019, 19, 24.	3.2	22
36	On the way to specificity â€•Microbiome reflects sponge genetic cluster primarily in highly structured populations. Molecular Ecology, 2020, 29, 4412-4427.	2.0	22

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37	Cooperation between passive and active silicon transporters clarifies the ecophysiology and evolution of biosilicification in sponges. Science Advances, 2020, 6, eaba9322.	4.7	22
38	Warm temperatures, cool sponges: the effect of increased temperatures on the Antarctic spongeIsodictyasp.. PeerJ, 2019, 7, e8088.	0.9	22
39	Characterization of the transcriptome and gene expression of four different tissues in the ecologically relevant sea urchin Arbacia lixula using <scp>RNA</scp>â€seq. Molecular Ecology Resources, 2016, 16, 794-808.	2.2	21
40	Optimizing preservation protocols to extract highâ€quality RNA from different tissues of echinoderms for nextâ€generation sequencing. Molecular Ecology Resources, 2013, 13, 884-889.	2.2	20
41	Sponge microbiome stability during environmental acquisition of highly specific photosymbionts. Environmental Microbiology, 2020, 22, 3593-3607.	1.8	20
42	Are well-studied marine biodiversity hotspots still blackspots for animal barcoding?. Global Ecology and Conservation, 2021, 32, e01909.	1.0	20
43	An unexpectedly sophisticated, V-shaped spermatozoon in Demospongiae (Porifera): reproductive and evolutionary implications. Biological Journal of the Linnean Society, 0, 97, 413-426.	0.7	19
44	A Proposal for the Evolution of Cathepsin and Silicatein in Sponges. Journal of Molecular Evolution, 2015, 80, 278-291.	0.8	19
45	The Molecular Machinery of Gametogenesis inGeodiaDemosponges (Porifera): Evolutionary Origins of a Conserved Toolkit across Animals. Molecular Biology and Evolution, 2020, 37, 3485-3506.	3.5	19
46	Lonely populations in the deep: genetic structure of red gorgonians at the heads of submarine canyons in the north-western Mediterranean Sea. Coral Reefs, 2016, 35, 1013-1026.	0.9	18
47	Insights into the reproduction of some Antarctic dendroceratid, poecilosclerid, and haplosclerid demosponges. PLoS ONE, 2018, 13, e0192267.	1.1	17
48	Mitochondrial evolution in the Demospongiae (Porifera): Phylogeny, divergence time, and genome biology. Molecular Phylogenetics and Evolution, 2021, 155, 107011.	1.2	17
49	Some Like It Fat: Comparative Ultrastructure of the Embryo in Two Demosponges of the Genus Mycale (Order Poecilosclerida) from Antarctica and the Caribbean. PLoS ONE, 2015, 10, e0118805.	1.1	16
50	Occurrence of somatic cells within the spermatic cysts of demosponges: A discussion of their role. Tissue and Cell, 2008, 40, 387-396.	1.0	15
51	Evidence of Vent-Adaptation in Sponges Living at the Periphery of Hydrothermal Vent Environments: Ecological and Evolutionary Implications. Frontiers in Microbiology, 2020, 11, 1636.	1.5	15
52	Phylogenetic relationships and evolution of reproductive modes within flattened syllids (Annelida :) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 224.	0.5	14
53	The genus Syllis Savigny in Lamarck, 1818 (Annelida, Syllidae) from Australia. Molecular analysis and re-description of some poorly-known speciesÂ. Zootaxa, 2015, 4052, 197.	0.2	13
54	Trimitomics: An efficient pipeline for mitochondrial assembly from transcriptomic reads in nonmodel species. Molecular Ecology Resources, 2019, 19, 1230-1239.	2.2	13

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55	Delegating Sex: Differential Gene Expression in Stolonizing Syllids Uncovers the Hormonal Control of Reproduction. Genome Biology and Evolution, 2019, 11, 295-318.	1.1	13
56	The tag-along friendship: epibiotic protozoans and syllid polychaetes. Implications for the taxonomy of Syllidae (Annelida), and description of three new species ofRhabdostylaandCothurnia(Ciliophora, Peritrichia). Zoological Journal of the Linnean Society, 2014, 172, 265-281.	1.0	12
57	Reproductive Biology of Geodia Species (Porifera, Tetractinellida) From Boreo-Arctic North-Atlantic Deep-Sea Sponge Grounds. Frontiers in Marine Science, 2020, 7, .	1.2	12
58	Population connectivity of fan-shaped sponge holobionts in the deep Cantabrian Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2021, 167, 103427.	0.6	12
59	Enjoying the warming Mediterranean: Transcriptomic responses to temperature changes of a thermophilous keystone species in benthic communities. Molecular Ecology, 2020, 29, 3299-3315.	2.0	11
60	Halacarid mites (Acari: Halacaridae) associated with a North Atlantic subtidal population of the kelpLaminaria ochroleuca. Journal of Natural History, 2010, 44, 651-667.	0.2	10
61	Population structure and phylogenetic relationships of a new shallowâ€water Antarctic phyllodocid annelid. Zoologica Scripta, 2018, 47, 714-726.	0.7	9
62	Insights into the symbiotic relationship between scale worms and carnivorous sponges (Cladorhizidae, Chondrocladia). Deep-Sea Research Part I: Oceanographic Research Papers, 2020, 156, 103191.	0.6	9
63	Environmental <scp>DNA</scp> persistence and fish detection in captive sponges. Molecular Ecology Resources, 2022, 22, 2956-2966.	2.2	9
64	Genetic variation and geographic differentiation in the marine triclad Bdelloura candida (Platyhelminthes, Tricladida, Maricola), ectocommensal on the American horseshoe crab Limulus polyphemus. Marine Biology, 2017, 164, 111.	0.7	8
65	Sleeping with the enemy: unravelling the symbiotic relationships between the scale wormNeopolynoe chondrocladiae(Annelida: Polynoidae) and its carnivorous sponge hosts. Zoological Journal of the Linnean Society, 2021, 193, 295-318.	1.0	8
66	Oogenesis and lipid metabolism in the deep-sea sponge Phakellia ventilabrum (Linnaeus, 1767). Scientific Reports, 2022, 12, 6317.	1.6	8
67	Evolution, Expression Patterns, and Distribution of Novel Ribbon Worm Predatory and Defensive Toxins. Molecular Biology and Evolution, 2022, 39, .	3.5	8
68	Coping with brackish water: A new species of cave-dwelling Protosuberites Porifera: Demospongiae: relationships within the genus. Zootaxa, 2016, 4208, zootaxa.4208.4.3.	0.2	7
69	Population Genomics of Early-Splitting Lineages of Metazoans. Population Genomics, 2018, , 103-137.	0.2	7
70	Iotrochota revisited: a new sponge and review of species from the western tropical Atlantic (Poecilosclerida:Iotrochotidae). Invertebrate Systematics, 2007, 21, 173.	0.5	6
71	Ultrastructure of the gametogenesis of the common Mediterranean starfish,Echinaster (Echinaster) sepositus. Invertebrate Reproduction and Development, 2011, 55, 138-151.	0.3	6
72	A new member of the genus Antarctonemertes (Hoplonemertea, Nemertea) from Antarctic waters. Polar Biology, 2018, 41, 1463-1473.	0.5	6

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73	Integrative systematics of clathrinid sponges: morphological, reproductive and phylogenetic characterisation of a new species of Leucetta from Antarctica (Porifera, Calcarea, Calcinea) with notes on the occurrence of flagellated sperm. Invertebrate Systematics, 2018, 32, 827.	0.5	6
74	Phylogenetic characterization of marine microbial biofilms associated with mammal bones in temperate and polar areas. Marine Biodiversity, 2020, 50, 1.	0.3	6
75	Genetic diversity, gene flow and hybridization in fan-shaped sponges (Phakellia spp.) in the North-East Atlantic deep sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2022, 181, 103685.	0.6	6
76	Barrettides: A Peptide Family Specifically Produced by the Deep-Sea Sponge Geodia barretti. Journal of Natural Products, 2021, 84, 3138-3146.	1.5	6
77	Phagocytosis of sperm by follicle cells of the carnivorous sponge Asbestopluma occidentalis (Porifera, Demospongiae). Tissue and Cell, 2010, 42, 198-201.	1.0	5
78	Establishment of Hostâ€“Algal Endosymbioses: Genetic Response to Symbiont Versus Prey in a Sponge Host. Genome Biology and Evolution, 2021, 13, .	1.1	5
79	Optimization of 14 microsatellite loci in a Mediterranean demosponge subjected to population decimation, Ircinia fasciculata. Conservation Genetics Resources, 2014, 6, 301-303.	0.4	4
80	A place for nourishment or a slaughterhouse? Elucidating the role of spermathecae in the terrestrial annelid Hormogaster elisae (Clitellata: Opisthopora: Hormogastridae). Zoomorphology, 2012, 131, 171-184.	0.4	3
81	Mitochondrial genome and polymorphic microsatellite markers from the abyssal sponge Plenaster craigi Lim & Wiklund, 2017: tools for understanding the impact of deep-sea mining. Marine Biodiversity, 2018, 48, 621-630.	0.3	3
82	A new species of Isodictya (Porifera: Poecilosclerida) from the Southern Ocean. Polar Biology, 2020, 43, 523-533.	0.5	3
83	Development of 10 microsatellite markers for the Atlanto-Mediterranean sponge Petrosia ficiformis. Conservation Genetics Resources, 2015, 7, 895-897.	0.4	2
84	Corrigendum to: Advancing genomics through the Global Invertebrate Genomics Alliance (GIGA). Invertebrate Systematics, 2017, 31, 231.	0.5	2
85	Recycling resources: silica of diatom frustules as a source for spicule building in Antarctic siliceous demosponges. Zoological Journal of the Linnean Society, 2021, 192, 259-276.	1.0	2
86	A population specific mitochondrial intron from the sponge Phakellia robusta in the North-East Atlantic. Deep-Sea Research Part I: Oceanographic Research Papers, 2021, 172, 103534.	0.6	2