

# Ana Riesgo

## List of Publications by Year in descending order

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86  
papers

2,683  
citations

218592

26  
h-index

233338

45  
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97  
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97  
docs citations

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times ranked

2964  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic diversity, gene flow and hybridization in fan-shaped sponges ( <i>Phakellia</i> spp.) in the North-East Atlantic deep sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2022, 181, 103685.	0.6	6
2	Oogenesis and lipid metabolism in the deep-sea sponge <i>Phakellia ventilabrum</i> (Linnaeus, 1767). <i>Scientific Reports</i> , 2022, 12, 6317.	1.6	8
3	Evolution, Expression Patterns, and Distribution of Novel Ribbon Worm Predatory and Defensive Toxins. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	8
4	Environmental <scp>DNA</scp> persistence and fish detection in captive sponges. <i>Molecular Ecology Resources</i> , 2022, 22, 2956-2966.	2.2	9
5	Recycling resources: silica of diatom frustules as a source for spicule building in Antarctic siliceous demosponges. <i>Zoological Journal of the Linnean Society</i> , 2021, 192, 259-276.	1.0	2
6	Mitochondrial evolution in the Demospongiae (Porifera): Phylogeny, divergence time, and genome biology. <i>Molecular Phylogenetics and Evolution</i> , 2021, 155, 107011.	1.2	17
7	Population connectivity of fan-shaped sponge holobionts in the deep Cantabrian Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2021, 167, 103427.	0.6	12
8	A population specific mitochondrial intron from the sponge <i>Phakellia robusta</i> in the North-East Atlantic. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2021, 172, 103534.	0.6	2
9	Sleeping with the enemy: unravelling the symbiotic relationships between the scale worm <i>Neopolynoe chondrocladiae</i> (Annelida: Polynoidae) and its carnivorous sponge hosts. <i>Zoological Journal of the Linnean Society</i> , 2021, 193, 295-318.	1.0	8
10	Establishment of Hostâ€Algal Endosymbioses: Genetic Response to Symbiont Versus Prey in a Sponge Host. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	5
11	Are well-studied marine biodiversity hotspots still blackspots for animal barcoding?. <i>Global Ecology and Conservation</i> , 2021, 32, e01909.	1.0	20
12	Barrettides: A Peptide Family Specifically Produced by the Deep-Sea Sponge <i>Geodia barretti</i>. <i>Journal of Natural Products</i> , 2021, 84, 3138-3146.	1.5	6
13	Insights into the symbiotic relationship between scale worms and carnivorous sponges (Cladorhizidae, Chondrocladia). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2020, 156, 103191.	0.6	9
14	Sponge microbiome stability during environmental acquisition of highly specific photosymbionts. <i>Environmental Microbiology</i> , 2020, 22, 3593-3607.	1.8	20
15	Phylogenetic characterization of marine microbial biofilms associated with mammal bones in temperate and polar areas. <i>Marine Biodiversity</i> , 2020, 50, 1.	0.3	6
16	Evidence of Vent-Adaptation in Sponges Living at the Periphery of Hydrothermal Vent Environments: Ecological and Evolutionary Implications. <i>Frontiers in Microbiology</i> , 2020, 11, 1636.	1.5	15
17	Enjoying the warming Mediterranean: Transcriptomic responses to temperature changes of a thermophilous keystone species in benthic communities. <i>Molecular Ecology</i> , 2020, 29, 3299-3315.	2.0	11
18	Tracing animal genomic evolution with the chromosomal-level assembly of the freshwater sponge <i>Ephydatia muelleri</i> . <i>Nature Communications</i> , 2020, 11, 3676.	5.8	72

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19	On the way to specificity â€•Microbiome reflects sponge genetic cluster primarily in highly structured populations. <i>Molecular Ecology</i> , 2020, 29, 4412-4427.	2.0	22
20	The Molecular Machinery of Gametogenesis in <i>Geodia</i> Demosponges (Porifera): Evolutionary Origins of a Conserved Toolkit across Animals. <i>Molecular Biology and Evolution</i> , 2020, 37, 3485-3506.	3.5	19
21	Reproductive Biology of <i>Geodia</i> Species (Porifera, Tetractinellida) From Boreo-Arctic North-Atlantic Deep-Sea Sponge Grounds. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	12
22	A new species of <i>Isodictya</i> (Porifera: Poecilosclerida) from the Southern Ocean. <i>Polar Biology</i> , 2020, 43, 523-533.	0.5	3
23	Cooperation between passive and active silicon transporters clarifies the ecophysiology and evolution of biosilicification in sponges. <i>Science Advances</i> , 2020, 6, eaba9322.	4.7	22
24	Revisiting metazoan phylogeny with genomic sampling of all phyla. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190831.	1.2	229
25	Symbiosis, Selection, and Novelty: Freshwater Adaptation in the Unique Sponges of Lake Baikal. <i>Molecular Biology and Evolution</i> , 2019, 36, 2462-2480.	3.5	22
26	Genetic diversity, connectivity and gene flow along the distribution of the emblematic Atlanto-Mediterranean sponge <i>Petrosia ficiformis</i> (Haplosclerida, Demospongiae). <i>BMC Evolutionary Biology</i> , 2019, 19, 24.	3.2	22
27	Population substructure and signals of divergent adaptive selection despite admixture in the sponge <i>Dendrilla antarctica</i> from shallow waters surrounding the Antarctic Peninsula. <i>Molecular Ecology</i> , 2019, 28, 3151-3170.	2.0	23
28	Sponges as natural environmental DNA samplers. <i>Current Biology</i> , 2019, 29, R401-R402.	1.8	93
29	Trimitomics: An efficient pipeline for mitochondrial assembly from transcriptomic reads in nonmodel species. <i>Molecular Ecology Resources</i> , 2019, 19, 1230-1239.	2.2	13
30	Delegating Sex: Differential Gene Expression in Stolonizing Syllids Uncovers the Hormonal Control of Reproduction. <i>Genome Biology and Evolution</i> , 2019, 11, 295-318.	1.1	13
31	Warm temperatures, cool sponges: the effect of increased temperatures on the Antarctic sponge <i>Isodictya</i> sp.. <i>PeerJ</i> , 2019, 7, e8088.	0.9	22
32	Population Genomics of Early-Splitting Lineages of Metazoans. <i>Population Genomics</i> , 2018, , 103-137.	0.2	7
33	Mitochondrial genome and polymorphic microsatellite markers from the abyssal sponge <i>Plenaster craigi</i> Lim & Wiklund, 2017: tools for understanding the impact of deep-sea mining. <i>Marine Biodiversity</i> , 2018, 48, 621-630.	0.3	3
34	A new member of the genus <i>Antarctonemertes</i> (Hoplonemertea, Nemertea) from Antarctic waters. <i>Polar Biology</i> , 2018, 41, 1463-1473.	0.5	6
35	Phylogenetic relationships and evolution of reproductive modes within flattened syllids (Annelida :). <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i> 224.	0.5	14
36	Implications of population connectivity studies for the design of marine protected areas in the deep sea: An example of a demosponge from the Clarion-Clipperton Zone. <i>Molecular Ecology</i> , 2018, 27, 4657-4679.	2.0	37

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37	Population structure and phylogenetic relationships of a new shallow-water Antarctic phyllozoan annelid. <i>Zoologica Scripta</i> , 2018, 47, 714-726.	0.7	9
38	Integrative systematics of clathrinid sponges: morphological, reproductive and phylogenetic characterisation of a new species of <i>Leucetta</i> from Antarctica (Porifera, Calcarea, Calcinea) with notes on the occurrence of flagellated sperm. <i>Invertebrate Systematics</i> , 2018, 32, 827.	0.5	6
39	Insights into the reproduction of some Antarctic dendroceratid, poecilosclerid, and haplosclerid demosponges. <i>PLoS ONE</i> , 2018, 13, e0192267.	1.1	17
40	Towards the identification of ancestrally shared regenerative mechanisms across the Metazoa: A Transcriptomic case study in the Demosponge <i>Halisarca caerulea</i> . <i>Marine Genomics</i> , 2018, 37, 135-147.	0.4	31
41	Support for a clade of Placozoa and Cnidaria in genes with minimal compositional bias. <i>ELife</i> , 2018, 7, .	2.8	82
42	Genetic variation and geographic differentiation in the marine triclad <i>Bdelloura candida</i> (Platyhelminthes, Tricladida, Maricola), ectocommensal on the American horseshoe crab <i>Limulus polyphemus</i> . <i>Marine Biology</i> , 2017, 164, 111.	0.7	8
43	Advancing genomics through the Global Invertebrate Genomics Alliance (GIGA). <i>Invertebrate Systematics</i> , 2017, 31, 1.	0.5	22
44	The <i>Syllis gracilis</i> species complex: A molecular approach to a difficult taxonomic problem (Annelida). <i>Trends in Ecology &amp; Evolution</i> , 2017, 32, 1027-1037.	1.2	47
45	Evolutionary recruitment of flexible ESRP-dependent splicing programs into diverse embryonic morphogenetic processes. <i>Nature Communications</i> , 2017, 8, 1799.	5.8	40
46	Straightening the striped chaos: systematics and evolution of <i>Trypanosyllis</i> and the case of its pseudocryptic type species <i>Trypanosyllis krohnii</i> (Annelida, Syllidae). <i>Zoological Journal of the Linnean Society</i> , 2017, 179, 492-540.	1.0	27
47	Corrigendum to: Advancing genomics through the Global Invertebrate Genomics Alliance (GIGA). <i>Invertebrate Systematics</i> , 2017, 31, 231.	0.5	2
48	Coping with brackish water: A new species of cave-dwelling Protosuberites Porifera: Demospongiae: relationships within the genus. <i>Zootaxa</i> , 2016, 4208, zootaxa.4208.4.3.	0.2	7
49	Lonely populations in the deep: genetic structure of red gorgonians at the heads of submarine canyons in the north-western Mediterranean Sea. <i>Coral Reefs</i> , 2016, 35, 1013-1026.	0.9	18
50	Population structure and connectivity in the Mediterranean sponge <i>Ircinia fasciculata</i> are affected by mass mortalities and hybridization. <i>Heredity</i> , 2016, 117, 427-439.	1.2	33
51	Characterization of the transcriptome and gene expression of four different tissues in the ecologically relevant sea urchin <i>Arbacia lixula</i> using RNA-seq. <i>Molecular Ecology Resources</i> , 2016, 16, 794-808.	2.2	21
52	Sterol and genomic analyses validate the sponge biomarker hypothesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2684-2689.	3.3	110
53	Some Like It Fat: Comparative Ultrastructure of the Embryo in Two Demosponges of the Genus <i>Mycale</i> (Order Poecilosclerida) from Antarctica and the Caribbean. <i>PLoS ONE</i> , 2015, 10, e0118805.	1.1	16
54	Bone-Eating Worms Spread: Insights into Shallow-Water Osedax (Annelida, Siboglinidae) from Antarctic, Subantarctic, and Mediterranean Waters. <i>PLoS ONE</i> , 2015, 10, e0140341.	1.1	26

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55	The genus <i>Syllis</i> ; Savigny; Lamarck, 1818 (Annelida, Syllidae) from Australia. Molecular analysis and re-description of some poorly-known species. <i>Zootaxa</i> , 2015, 4052, 197.	0.2	13
56	A Proposal for the Evolution of Cathepsin and Silicatein in Sponges. <i>Journal of Molecular Evolution</i> , 2015, 80, 278-291.	0.8	19
57	Evolutionary patterns in Antarctic marine invertebrates: An update on molecular studies. <i>Marine Genomics</i> , 2015, 23, 1-13.	0.4	37
58	Development of 10 microsatellite markers for the Atlanto-Mediterranean sponge <i>Petrosia ficiformis</i> . <i>Conservation Genetics Resources</i> , 2015, 7, 895-897.	0.4	2
59	The tag-along friendship: epibiotic protozoans and syllid polychaetes. Implications for the taxonomy of <i>Syllidae</i> (Annelida), and description of three new species of <i>Rhabdostyla</i> and <i>Cothurnia</i> (Ciliophora, Peritrichia). <i>Zoological Journal of the Linnean Society</i> , 2014, 172, 265-281.	1.0	12
60	Inferring the ancestral sexuality and reproductive condition in sponges (Porifera). <i>Zoologica Scripta</i> , 2014, 43, 101-117.	0.7	35
61	Evolutionary origins of sensation in metazoans: functional evidence for a new sensory organ in sponges. <i>BMC Evolutionary Biology</i> , 2014, 14, 3.	3.2	92
62	Optimization of 14 microsatellite loci in a Mediterranean demosponge subjected to population decimation, <i>Ircinia fasciculata</i> . <i>Conservation Genetics Resources</i> , 2014, 6, 301-303.	0.4	4
63	The Analysis of Eight Transcriptomes from All Poriferan Classes Reveals Surprising Genetic Complexity in Sponges. <i>Molecular Biology and Evolution</i> , 2014, 31, 1102-1120.	3.5	211
64	Transcriptomic analysis of differential host gene expression upon uptake of symbionts: a case study with <i>Symbiodinium</i> and the major bioeroding sponge <i>Cliona varians</i> . <i>BMC Genomics</i> , 2014, 15, 376.	1.2	41
65	Pheromone Evolution, Reproductive Genes, and Comparative Transcriptomics in Mediterranean Earthworms (Annelida, Oligochaeta, Hormogastridae). <i>Molecular Biology and Evolution</i> , 2013, 30, 1614-1629.	3.5	24
66	Optimizing preservation protocols to extract high-quality RNA from different tissues of echinoderms for next-generation sequencing. <i>Molecular Ecology Resources</i> , 2013, 13, 884-889.	2.2	20
67	Reconstruction of Family-Level Phylogenetic Relationships within Demospongiae (Porifera) Using Nuclear Encoded Housekeeping Genes. <i>PLoS ONE</i> , 2013, 8, e50437.	1.1	47
68	Comparative description of ten transcriptomes of newly sequenced invertebrates and efficiency estimation of genomic sampling in non-model taxa. <i>Frontiers in Zoology</i> , 2012, 9, 33.	0.9	114
69	Epithelia, an Evolutionary Novelty of Metazoans. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2012, 318, 438-447.	0.6	75
70	A place for nourishment or a slaughterhouse? Elucidating the role of spermathecae in the terrestrial annelid <i>Hormogaster elisae</i> (Clitellata: Opisthopora: Hormogastridae). <i>Zoomorphology</i> , 2012, 131, 171-184.	0.4	3
71	Optimization of preservation and storage time of sponge tissues to obtain quality mRNA for next-generation sequencing. <i>Molecular Ecology Resources</i> , 2012, 12, 312-322.	2.2	48
72	Ultrastructure of the gametogenesis of the common Mediterranean starfish, <i>Echinaster sepositus</i> . <i>Invertebrate Reproduction and Development</i> , 2011, 55, 138-151.	0.3	6

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73	Revisiting silicon budgets at a tropical continental shelf: Silica standing stocks in sponges surpass those in diatoms. <i>Limnology and Oceanography</i> , 2010, 55, 2001-2010.	1.6	50
74	Halacarid mites (Acari: Halacaridae) associated with a North Atlantic subtidal population of the kelp <i>Laminaria ochroleuca</i> . <i>Journal of Natural History</i> , 2010, 44, 651-667.	0.2	10
75	Phagocytosis of sperm by follicle cells of the carnivorous sponge <i>Asbestopluma occidentalis</i> (Porifera, Demospongiae). <i>Tissue and Cell</i> , 2010, 42, 198-201.	1.0	5
76	Gametogenesis, embryogenesis, and larval features of the oviparous sponge <i>Petrosia ficiformis</i> (Haplosclerida, Demospongiae). <i>Marine Biology</i> , 2009, 156, 2181-2197.	0.7	75
77	Ultrastructure of oogenesis of two oviparous demosponges: <i>Axinella damicornis</i> and <i>Raspaciona aculeata</i> (Porifera). <i>Tissue and Cell</i> , 2009, 41, 51-65.	1.0	22
78	Differences in reproductive timing among sponges sharing habitat and thermal regime. <i>Invertebrate Biology</i> , 2008, 127, 357-367.	0.3	64
79	Reproductive output in a Mediterranean population of the homosclerophorid <i>Corticium candelabrum</i> (Porifera, Demospongiae), with notes on the ultrastructure and behavior of the larva. <i>Marine Ecology</i> , 2008, 29, 298-316.	0.4	48
80	Occurrence of somatic cells within the spermatid cysts of demosponges: A discussion of their role. <i>Tissue and Cell</i> , 2008, 40, 387-396.	1.0	15
81	Lotrochota revisited: a new sponge and review of species from the western tropical Atlantic (Poecilosclerida: Lotrochotidae). <i>Invertebrate Systematics</i> , 2007, 21, 173.	0.5	6
82	Dynamics of gametogenesis, embryogenesis, and larval release in a Mediterranean homosclerophorid demosponge. <i>Marine and Freshwater Research</i> , 2007, 58, 398.	0.7	71
83	Reproduction in a carnivorous sponge: the significance of the absence of an aquiferous system to the sponge body plan. <i>Evolution &amp; Development</i> , 2007, 9, 618-631.	1.1	48
84	Intra-epithelial spicules in a homosclerophorid sponge. <i>Cell and Tissue Research</i> , 2007, 328, 639-650.	1.5	31
85	The environmental impact of Mediterranean cage fish farms at semi-exposed locations: does it need a re-assessment?. <i>Helgoland Marine Research</i> , 2005, 59, 121-135.	1.3	58
86	An unexpectedly sophisticated, V-shaped spermatozoon in Demospongiae (Porifera): reproductive and evolutionary implications. <i>Biological Journal of the Linnean Society</i> , 0, 97, 413-426.	0.7	19