

# Astrid Sibylle Holzer

## List of Publications by Year in descending order

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70  
papers

1,547  
citations

304602

22  
h-index

345118

36  
g-index

73  
all docs

73  
docs citations

73  
times ranked

825  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular relationships and phylogeny in a community of myxosporeans and actinosporeans based on their 18S rDNA sequences. <i>International Journal for Parasitology</i> , 2004, 34, 1099-1111.	1.3	166
2	The joint evolution of the Myxozoa and their alternate hosts: A cnidarian recipe for success and vast biodiversity. <i>Molecular Ecology</i> , 2018, 27, 1651-1666.	2.0	101
3	The secondary structure of the unusually long 18S ribosomal RNA of the myxozoan <i>Sphaerospora truttae</i> and structural evolutionary trends in the Myxozoa. <i>International Journal for Parasitology</i> , 2007, 37, 1281-1295.	1.3	68
4	<i>Sphaerospora sensu stricto</i> : Taxonomy, diversity and evolution of a unique lineage of myxosporeans (Myxozoa). <i>Molecular Phylogenetics and Evolution</i> , 2013, 68, 93-105.	1.2	51
5	Molecular studies on the seasonal occurrence and development of five myxozoans in farmed <i>Salmo trutta</i> L. <i>Parasitology</i> , 2006, 132, 193.	0.7	45
6	Tracing the route of <i>Sphaerospora truttae</i> from the entry locus to the target organ of the host, <i>Salmo salar</i> L., using an optimized and specific in situ hybridization technique. <i>Journal of Fish Diseases</i> , 2003, 26, 647-655.	0.9	44
7	Speciation of the <i>Paradeontacylix</i> spp. (Sanguinicolidae) of <i>Seriola dumerili</i> . Two new species of the genus <i>Paradeontacylix</i> from the Mediterranean. <i>Parasitology International</i> , 2008, 57, 405-414.	0.6	44
8	Understanding myxozoan infection dynamics in the sea: Seasonality and transmission of <i>Ceratomyxa puntazzi</i> . <i>International Journal for Parasitology</i> , 2013, 43, 771-780.	1.3	42
9	Hidden diversity and evolutionary trends in malacosporean parasites (Cnidaria: Myxozoa) identified using molecular phylogenetics. <i>International Journal for Parasitology</i> , 2014, 44, 565-577.	1.3	42
10	Estimating trematode prevalence in snail hosts using a single-step duplex PCR: how badly does cercarial shedding underestimate infection rates?. <i>Parasites and Vectors</i> , 2014, 7, 243.	1.0	40
11	Host-parasite relationship of <i>Ceratomyxa puntazzi</i> n. sp. (Myxozoa: Myxosporea) and sharpnose seabream <i>Diplodus puntazzo</i> (Walbaum, 1792) from the Mediterranean with first data on ceratomyxid host specificity in sparids. <i>Veterinary Parasitology</i> , 2011, 182, 181-192.	0.7	39
12	<i>Skoulekia meningialis</i> n. gen., n. sp. (Digenea: Aporocotylidae Odhner, 1912) a parasite surrounding the brain of the Mediterranean common two-banded seabream <i>Diplodus vulgaris</i> (Geoffroy Saint-Hilaire). <i>Parasitology International</i> , 2011, 60, 34-44.	0.6	39
13	Molecular and morphological identification of larval opecoelids (Digenea: Opecoelidae) parasitising prosobranch snails in a Western Mediterranean lagoon. <i>Parasitology International</i> , 2012, 61, 450-460.	0.6	37
14	<i>Cardicola aurata</i> sp. n. (Digenea: Sanguinicolidae) from Mediterranean <i>Sparus aurata</i> L. (Teleostei). <i>Parasitology International</i> , 2008, 57, 472-482.	0.6	35
15	“Who’s who” in renal sphaerosporids (Bivalvulida: Myxozoa) from common carp, Prussian carp and goldfish – molecular identification of cryptic species, blood stages and new members of <i>Sphaerospora sensu stricto</i> . <i>Parasitology</i> , 2013, 140, 46-60.	0.7	35
16	The kinetics of cellular and humoral immune responses of common carp to presporogonic development of the myxozoan <i>Sphaerospora molnari</i> . <i>Parasites and Vectors</i> , 2019, 12, 208.	1.0	31
17	Molecular identity, phylogeny and life cycle of <i>Chloromyxum schurovi</i> Shulman & Ieshko 2003. <i>Parasitology Research</i> , 2006, 99, 90-96.	0.6	30
18	<i>Kudoa unicapsula</i> n. sp. (Myxosporea: Kudoidae) a parasite of the Mediterranean mullets <i>Liza ramada</i> and <i>L. aurata</i> (Teleostei: Mugilidae). <i>Parasitology Research</i> , 2007, 101, 1671-1680.	0.6	29

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19	Introduction of rotifers ( <i>Brachionus plicatilis</i> ) during pikeperch first feeding. <i>Aquaculture</i> , 2018, 497, 260-268.	1.7	29
20	<i>Bipteria vetusta</i> n. sp. – an old parasite in an old host: tracing the origin of myxosporean parasitism in vertebrates. <i>International Journal for Parasitology</i> , 2015, 45, 269-276.	1.3	27
21	In vitro treatments for the theront stage of the <i>Āciliate</i> protozoan <i>Cryptocaryon irritans</i> . <i>Diseases of Aquatic Organisms</i> , 2011, 94, 167-172.	0.5	25
22	3D Morphology, Ultrastructure and Development of <i>Ceratomyxa puntazzi</i> Stages: First Insights into the Mechanisms of Motility and Budding in the Myxozoa. <i>PLoS ONE</i> , 2012, 7, e32679.	1.1	23
23	New cell motility model observed in parasitic cnidarian <i>Sphaerospora molnari</i> (Myxozoa:Myxosporea) blood stages in fish. <i>Scientific Reports</i> , 2016, 6, 39093.	1.6	23
24	Myxozoan Adhesion and Virulence: <i>Ceratonova shasta</i> on the Move. <i>Microorganisms</i> , 2019, 7, 397.	1.6	22
25	Infection dynamics of two renal myxozoans in hatchery reared fry and juvenile Atlantic cod <i>Gadus morhua</i> L. <i>Parasitology</i> , 2010, 137, 1501-1513.	0.7	21
26	An optimised multi-host trematode life cycle: fishery discards enhance trophic parasite transmission to scavenging birds. <i>International Journal for Parasitology</i> , 2016, 46, 745-753.	1.3	21
27	<i>Kudoa trifolia</i> sp. n. ? molecular phylogeny suggests a new spore morphology and unusual tissue location for a well-known genus. <i>Journal of Fish Diseases</i> , 2006, 29, 743-755.	0.9	20
28	Molecular characterization of <i>Sphaerospora molnari</i> (Myxozoa), the agent of gill sphaerosporosis in common carp <i>Cyprinus carpio carpio</i> . <i>Diseases of Aquatic Organisms</i> , 2013, 104, 59-67.	0.5	20
29	Myxosporidia and macrophage centres in chub ( <i>Leuciscus cephalus</i> ) – quantitative interactions focus on <i>Myxobolus cyprini</i> . <i>Parasitology</i> , 2001, 122, 55-62.	0.7	19
30	Mechanisms and Drivers for the Establishment of Life Cycle Complexity in Myxozoan Parasites. <i>Biology</i> , 2020, 9, 10.	1.3	19
31	Advances and Discoveries in Myxozoan Genomics. <i>Trends in Parasitology</i> , 2021, 37, 552-568.	1.5	18
32	Cellular Processes in Myxozoans. , 2015, , 139-154.		18
33	<i>Myxobolus albi</i> n. sp. (Myxozoa) from the Gills of the Common Goby <i>Pomatoschistus microps</i> KrÅyer (Teleostei: Gobiidae). <i>Journal of Eukaryotic Microbiology</i> , 2009, 56, 421-427.	0.8	17
34	<i>Zschokkella hildae</i> Auerbach, 1910: Phylogenetic position, morphology, and location in cultured Atlantic cod. <i>Parasitology International</i> , 2010, 59, 133-140.	0.6	16
35	Oncomiracidial development, survival and swimming behaviour of the monogenean <i>Sparicotyle chrysophrii</i> (Van Beneden and Hesse, 1863). <i>Aquaculture</i> , 2012, 338-341, 47-55.	1.7	16
36	Transcriptome of <i>Sphaerospora molnari</i> (Cnidaria, Myxosporea) blood stages provides proteolytic arsenal as potential therapeutic targets against sphaerosporosis in common carp. <i>BMC Genomics</i> , 2020, 21, 404.	1.2	16

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37	To React or Not to React: The Dilemma of Fish Immune Systems Facing Myxozoan Infections. <i>Frontiers in Immunology</i> , 2021, 12, 734238.	2.2	16
38	Morphological and molecular redescription of the myxozoan <i>Unicapsula pflugfelderi</i> Schubert, Sprague & Reinboth 1975 from two teleost hosts in the Mediterranean. A review of the genus <i>Unicapsula</i> Davis 1924. <i>Journal of Fish Diseases</i> , 2009, 32, 335-350.	0.9	15
39	Improvements on Live Feed Enrichments for Pikeperch ( <i>Sander lucioperca</i> ) Larval Culture. <i>Animals</i> , 2020, 10, 401.	1.0	15
40	Myxozoan infections of caecilians demonstrate broad host specificity and indicate a link with human activity. <i>International Journal for Parasitology</i> , 2016, 46, 375-381.	1.3	14
41	Biodiversity and host-parasite cophylogeny of <i>Sphaerospora</i> (sensu stricto) (Cnidaria: Myxozoa). <i>Parasites and Vectors</i> , 2018, 11, 347.	1.0	14
42	Transcriptome-Wide Comparisons and Virulence Gene Polymorphisms of Host-Associated Genotypes of the Cnidarian Parasite <i>Ceratonova shasta</i> in Salmonids. <i>Genome Biology and Evolution</i> , 2020, 12, 1258-1276.	1.1	14
43	Molecular fingerprinting of the myxozoan community in common carp suffering Swim Bladder Inflammation (SBI) identifies multiple etiological agents. <i>Parasites and Vectors</i> , 2014, 7, 398.	1.0	13
44	Description and experimental transmission of <i>Tetracapsuloides vermiformis</i> n. sp. (Cnidaria: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5) <i>Buddenbrockia bryozoides</i> n. comb. (syn. <i>Tetracapsula bryozoides</i> ). <i>Parasitology</i> , 2017, 144, 497-511.	0.7	13
45	Life in a rock pool: Radiation and population genetics of myxozoan parasites in hosts inhabiting restricted spaces. <i>PLoS ONE</i> , 2018, 13, e0194042.	1.1	13
46	Species complexes and phylogenetic lineages of <i>Hoferellus</i> (Myxozoa, Cnidaria) including revision of the genus: A problematic case for taxonomy. <i>Parasites and Vectors</i> , 2016, 9, 13.	1.0	12
47	Same host, same lagoon, different transmission pathways: effects of exogenous factors on larval emergence in two marine digenean parasites. <i>Parasitology Research</i> , 2014, 113, 545-554.	0.6	10
48	Selection of suitable reference genes for gene expression studies in myxosporean (Myxozoa, Cnidaria) parasites. <i>Scientific Reports</i> , 2019, 9, 15073.	1.6	10
49	Genetic Diversity of Serine Protease Inhibitors in Myxozoan (Cnidaria, Myxozoa) Fish Parasites. <i>Microorganisms</i> , 2020, 8, 1502.	1.6	10
50	Description of embryonic development and ultrastructure in miracidia of <i>Cardiocephaloides longicollis</i> (Digenea, Strigeidae) in relation to active host finding strategy in a marine environment. <i>Journal of Morphology</i> , 2017, 278, 1137-1148.	0.6	8
51	Repatriation of an old fish host as an opportunity for myxozoan parasite diversity: The example of the allis shad, <i>Alosa alosa</i> (Clupeidae), in the Rhine. <i>Parasites and Vectors</i> , 2016, 9, 505.	1.0	7
52	Molecular and morphological identification of <i>Cardicola</i> (Trematoda: Aporocotylidae) eggs in hatchery-reared and migratory Atlantic bluefin tuna ( <i>Thunnus thynnus</i> L.). <i>Aquaculture</i> , 2016, 450, 58-66.	1.7	7
53	The description of two new species of <i>Chloromyxum</i> from skates in the Argentine Sea reveals that a limited geographic host distribution causes phylogenetic lineage separation of myxozoans in Chondrichthyes. <i>Parasite</i> , 2018, 25, 47.	0.8	7
54	Blood feast: Exploring the erythrocyte-feeding behaviour of the myxozoan <i>Sphaerospora molnari</i> . <i>Parasite Immunology</i> , 2020, 42, .	0.7	7

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55	Severe glomerular disease in juvenile grey snapper <i>Lutjanus griseus</i> L. in the Gulf of Mexico caused by the myxozoan <i>Sphaerospora motemarini</i> n. sp.. <i>International Journal for Parasitology: Parasites and Wildlife</i> , 2013, 2, 124-130.	0.6	6
56	Natural Feed Additives Modulate Immunity and Mitigate Infection with <i>Sphaerospora molnari</i> (Myxozoa: Cnidaria) in Common Carp: A Pilot Study. <i>Pathogens</i> , 2020, 9, 1013.	1.2	6
57	Evolutionary Analysis of Cystatins of Early-Emerging Metazoans Reveals a Novel Subtype in Parasitic Cnidarians. <i>Biology</i> , 2021, 10, 110.	1.3	6
58	Myxozoan hidden diversity: the case of <i>Myxobolus pseudodispar</i> Gorbunova, 1936. <i>Folia Parasitologica</i> , 2020, 67, .	0.7	6
59	Method for Isolation of Myxozoan Proliferative Stages from Fish at High Yield and Purity: An Essential Prerequisite for In Vitro, In Vivo and Genomics-Based Research Developments. <i>Cells</i> , 2022, 11, 377.	1.8	5
60	Myxozoans as biological tags for stock identification of the Argentine hake, <i>Merluccius hubbsi</i> (Gadiformes: Merlucciidae). <i>Parasitology</i> , 2016, 143, 732-740.	0.7	4
61	The myxozoan minicollagen gene repertoire was not simplified by the parasitic lifestyle: computational identification of a novel myxozoan minicollagen gene. <i>BMC Genomics</i> , 2021, 22, 198.	1.2	4
62	Correlated evolution of fish host length and parasite spore size: a tale from myxosporeans inhabiting elasmobranchs. <i>International Journal for Parasitology</i> , 2022, 52, 97-110.	1.3	4
63	<i>Myxobolus cycloides</i> on the swimbladder of chub <i>Leuciscus cephalus</i> : a controlled, host-specific localisation. <i>Diseases of Aquatic Organisms</i> , 2002, 49, 179-183.	0.5	4
64	Proteases as Therapeutic Targets Against the Parasitic Cnidarian <i>Ceratomyxa shasta</i> : Characterization of Molecules Key to Parasite Virulence In Salmonid Hosts. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 804864.	1.8	3
65	Taurine supplement improved growth performance and digestive capacity of pikeperch larvae. <i>Aquaculture Research</i> , 2022, 53, 5105-5114.	0.9	3
66	The Acute Immune Responses of the Common Carp <i>Cyprinus carpio</i> to PLGA Microparticles – The Interactions of a Teleost Fish with a Foreign Material. <i>Biomolecules</i> , 2022, 12, 326.	1.8	2
67	Activation of the NOTCH signaling pathway stimulates migration of human B-lymphocytes. , 2015, , .		1
68	Trematode maturation patterns in a migratory snail host: What happens during upshore residency in a Mediterranean lagoon?. <i>Parasitology Research</i> , 2016, 115, 575-585.	0.6	0
69	Immune response of common carp to presporogonic development of myxozoan <i>Sphaerospora molnari</i> . <i>Fish and Shellfish Immunology</i> , 2019, 91, 466-467.	1.6	0
70	Gram staining and lectin binding properties of Myxosporea and Sporozoa. <i>Biotechnic and Histochemistry</i> , 2001, 76, 15-22.	0.7	0