

# Alejandra Volpedo

## List of Publications by Year in descending order

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81  
papers

1,363  
citations

331259

21  
h-index

433756

31  
g-index

81  
all docs

81  
docs citations

81  
times ranked

988  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ecomorphological patterns of the sagitta in fish on the continental shelf off Argentine. <i>Fisheries Research</i> , 2003, 60, 551-560.	0.9	109
2	Heavy metals and trace elements in muscle of silverside ( <i>Odontesthes bonariensis</i> ) and water from different environments (Argentina): aquatic pollution and consumption effect approach. <i>Science of the Total Environment</i> , 2015, 506-507, 102-108.	3.9	79
3	Combined use of otolith microchemistry and morphometry as indicators of the habitat of the silverside ( <i>Odontesthes bonariensis</i> ) in a freshwater-estuarine environment. <i>Fisheries Research</i> , 2014, 149, 55-60.	0.9	59
4	Use of otolith strontium : calcium ratio as an indicator of seasonal displacements of the silverside ( <i>Odontesthes bonariensis</i> ) in a freshwater-marine environment. <i>Marine and Freshwater Research</i> , 2013, 64, 746.	0.7	41
5	Fluvio-marine travelers from South America: Cyclic amphidromy and freshwater residency, typical behaviors in <i>Genidens barbuis</i> inferred by otolith chemistry. <i>Fisheries Research</i> , 2017, 193, 184-194.	0.9	41
6	Eco-morphological patterns of the sagitta of Antarctic fish. <i>Polar Biology</i> , 2008, 31, 635-640.	0.5	39
7	Otolith elemental fingerprint and scale and otolith morphometry in <i>Prochilodus lineatus</i> provide identification of natal nurseries. <i>Fisheries Research</i> , 2017, 186, 1-10.	0.9	36
8	Distribution and bioaccumulation of 12 trace elements in water, sediment and tissues of the main fishery from different environments of the La Plata basin (South America): Risk assessment for human consumption. <i>Chemosphere</i> , 2019, 236, 124394.	4.2	35
9	Use of lapillus otolith microchemistry as an indicator of the habitat of <i>Genidens barbuis</i> from different estuarine environments in the southwestern Atlantic Ocean. <i>Environmental Biology of Fishes</i> , 2015, 98, 1623-1632.	0.4	33
10	Occurrence of Fluoride in Arsenic-Rich Surface Waters: A Case Study in the Pampa Plain, Argentina. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2011, 87, 409-413.	1.3	31
11	Trace metal contents in water and sediments in Samborombán Bay wetland, Argentina. <i>Wetlands Ecology and Management</i> , 2007, 15, 303-310.	0.7	29
12	Ecomorphological patterns in otoliths of tropical fishes: assessing trophic groups and depth strata preference by shape. <i>Environmental Biology of Fishes</i> , 2020, 103, 349-361.	0.4	28
13	A Review of the Application of Otolith Microchemistry Toward the Study of Latin American Fishes. <i>Reviews in Fisheries Science and Aquaculture</i> , 2016, 24, 369-384.	5.1	27
14	Otolith edge fingerprints as approach for stock identification of <i>Genidens barbuis</i> . <i>Estuarine, Coastal and Shelf Science</i> , 2017, 194, 92-96.	0.9	27
15	Nursery areas and connectivity of the adults anadromous catfish ( <i>Genidens barbuis</i> ) revealed by otolith-core microchemistry in the south-western Atlantic Ocean. <i>Marine and Freshwater Research</i> , 2017, 68, 931.	0.7	27
16	Fin spine chemistry as a non-lethal alternative to otoliths for stock discrimination in an endangered catfish. <i>Marine Ecology - Progress Series</i> , 2019, 614, 147-157.	0.9	27
17	Use of otolith strontium:calcium and zinc:calcium ratios as an indicator of the habitat of <i>Percophis brasiliensis</i> Quoy & Gaimard, 1825 in the southwestern Atlantic Ocean. <i>Neotropical Ichthyology</i> , 2015, 13, 187-194.	0.5	25
18	Identification of potential fish stocks and lifetime movement patterns of <i>Mugil liza</i> Valenciennes 1836 in the Southwestern Atlantic Ocean. <i>Fisheries Research</i> , 2017, 193, 164-172.	0.9	25

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19	Arsenic, selenium, and metals in a commercial and vulnerable fish from southwestern Atlantic estuaries: distribution in water and tissues and public health risk assessment. <i>Environmental Science and Pollution Research</i> , 2019, 26, 7994-8006.	2.7	25
20	Ecomorphological patterns of the lapilli of Paranoplatense Siluriforms (South America). <i>Fisheries Research</i> , 2010, 102, 160-165.	0.9	24
21	Fish stocks of <i>Urophycis brasiliensis</i> revealed by otolith fingerprint and shape in the Southwestern Atlantic Ocean. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 229, 106406.	0.9	24
22	Toxic element determination in fish from Paran�j River Delta (Argentina) by neutron activation analysis: Tissue distribution and accumulation and health risk assessment by direct consumption. <i>Journal of Food Composition and Analysis</i> , 2016, 54, 27-36.	1.9	22
23	Ontogenetic development of the sagittal otolith of the anchovy, &em&gt;Anchoa tricolor&lt;/em&gt;, in a subtropical estuary. <i>Scientia Marina</i> , 2015, 79, 409-418.	0.3	21
24	White croaker ( <i>Micropogonias furnieri</i> ) paleodistribution in the Southwestern Atlantic Ocean. An archaeological perspective. <i>Journal of Archaeological Science</i> , 2013, 40, 1059-1066.	1.2	19
25	Reproductive Ecology of <i>Pterapogon kauderni</i> , an Endemic Apogonid from Indonesia with Direct Development. <i>Environmental Biology of Fishes</i> , 2004, 70, 235-245.	0.4	17
26	The diet of the South American sea lion ( <i>Otaria flavescens</i> ) at R�o Negro, Patagonia, Argentina, during the winter-spring period. <i>Iheringia - Serie Zoologia</i> , 2012, 102, 394-400.	0.5	17
27	Arsenic, Fluoride, and Vanadium in surface water (Chasic�f� Lake, Argentina). <i>Frontiers in Environmental Science</i> , 2014, 2, .	1.5	17
28	Assessing the use of two southwestern Atlantic estuaries by different life cycle stages of the anadromous catfish <i>Genidens barbus</i> (Lac�p�de, 1803) as revealed by Sr�:�Ca and Ba�:�Ca ratios in otoliths. <i>Journal of Applied Ichthyology</i> , 2015, 31, 740-743.	0.3	17
29	Spatial segregation and connectivity in young and adult stages of <i>Megaleporinus obtusidens</i> inferred from otolith elemental signatures: Implications for management. <i>Fisheries Research</i> , 2018, 204, 239-244.	0.9	17
30	The morphology of saccular otoliths as a tool to identify different mugilid species from the Northeastern Atlantic and Mediterranean Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2014, 146, 95-101.	0.9	16
31	Assessment of the morphometry of saccular otoliths as a tool to identify triplefin species (Tripterygiidae). <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2016, 96, 1167-1180.	0.4	16
32	Environmental migratory patterns and stock identification of <i>Mugil cephalus</i> in the Spanish Mediterranean Sea, by means of otolith microchemistry. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 188, 174-180.	0.9	16
33	Geochemical mechanisms controlling the chemical composition of groundwater and surface water in the southwest of the Pampean plain (Argentina). <i>Journal of Geochemical Exploration</i> , 2015, 150, 64-72.	1.5	15
34	Silversides ( <i>Odontesthes bonariensis</i> ) reside within freshwater and estuarine habitats, not marine environments. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 205, 123-130.	0.9	15
35	WATER QUALITY INDEX AS A TOOL FOR RIVER ASSESSMENT IN AGRICULTURAL AREAS IN THE PAMPEAN PLAINS OF ARGENTINA. <i>Journal of Urban and Environmental Engineering</i> , 2007, 1, 18-25.	0.3	14
36	Exposure to 19 elements via water ingestion and dermal contact in several South American environments (La Plata Basin): From Andes and Atlantic Forest to sea front. <i>Microchemical Journal</i> , 2019, 149, 103986.	2.3	13

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37	DIET OF TADPOLES FROM A POND IN IGUAZU NATIONAL PARK, ARGENTINA. <i>Gayana</i> , 2007, 71, 8.	0.0	12
38	Otoliths as a proxy for seasonality: The case of <i>Micropogonias furnieri</i> from the northern coast of San Mat�as Gulf, R�o Negro, Patagonia, Argentina. <i>Quaternary International</i> , 2015, 373, 136-142.	0.7	12
39	Migration and brackish environment use of <i>Prochilodus lineatus</i> (Characiformes: Prochilodontidae) inferred by Sr:Ca ratio transects of otolith. <i>Neotropical Ichthyology</i> , 2017, 15, .	0.5	12
40	Estimating contributions from nursery areas to fish stocks in freshwater systems using otolith fingerprints: The case of the streaked prochilod in the <scp>La Plata Basin</scp> (<scp>South) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 61	0.7	12
41	Using otolith morphometry for the identification of three sympatric and morphologically similar species of <i>Astyanax</i> from the Atlantic Rain Forest (Argentina). <i>Environmental Biology of Fishes</i> , 2018, 101, 1319-1328.	0.4	12
42	Otoliths as indicators for fish behaviour and procurement strategies of hunter-gatherers in North Patagonia. <i>Heliyon</i> , 2020, 6, e03438.	1.4	12
43	Otolith Sr:Ca ratio and morphometry as indicators of habitat of a euryhaline species: The case of the silverside <i>Odontesthes bonariensis</i> . <i>Ciencias Marinas</i> , 2015, 41, 189-202.	0.4	12
44	Is otolith microchemistry (Sr: Ca and Ba:Ca ratios) useful to identify <i>Mugil curema</i> populations in the southeastern Caribbean Sea?. <i>Brazilian Journal of Biology</i> , 2015, 75, 45-51.	0.4	11
45	Otolith morphometry and microchemistry as habitat markers for juvenile <i>Mugil cephalus</i> Linnaeus 1758 in nursery grounds in the Valencian community, Spain. <i>Journal of Applied Ichthyology</i> , 2017, 33, 163-167.	0.3	11
46	Otolith and vertebral morphology of marine atherinid species (Atheriniformes, Atherinopsidae) coexisting in the southwestern Atlantic Ocean. <i>Ciencias Marinas</i> , 2010, 36, 213-223.	0.4	11
47	Size related changes in <i>sagitta</i> otoliths of <i>Australoheros facetus</i> (Pisces; Cichlidae) from South America. <i>Journal of Applied Ichthyology</i> , 2012, 28, 752-755.	0.3	10
48	Estado tr�fico y variaci�n estacional de nutrientes en los r�os y canales del humedal mixo-halino de Bah�a Samboromb�n (Argentina). , 2008, 27, 143-150.		10
49	Trophic ecology of <i>Mugil liza</i> at the southern limit of its distribution (Buenos Aires, Argentina). <i>Brazilian Journal of Oceanography</i> , 2015, 63, 271-277.	0.6	9
50	Morphological and morphometric changes of <i>sagittae</i> otoliths related to fish growth in three Mugilidae species. <i>Journal of Applied Ichthyology</i> , 2017, 33, 1137-1145.	0.3	9
51	Diet Composition and Feeding Strategy of the New World Silverside <i>Odontesthes argentinensis</i> in a Temperate Coastal Area (South America). <i>Marine and Coastal Fisheries</i> , 2018, 10, 80-88.	0.6	9
52	Application of otolith morphometry for the study of ontogenetic variations of <i>Odontesthes argentinensis</i> . <i>Environmental Biology of Fishes</i> , 2019, 102, 1301-1310.	0.4	9
53	Spatial environmental variability of natural markers and habitat use of <i>Cathorops spixii</i> in a neotropical estuary from otolith chemistry. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2020, 100, 783-793.	0.4	9
54	Fishes and environment in northwestern Argentina: from lowland to Puna. <i>Hydrobiologia</i> , 2005, 544, 33-49.	1.0	8

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55	First record of anomalous otoliths of <i>Menticirrhus americanus</i> in the South Atlantic. Journal of Applied Ichthyology, 2019, 35, 1286-1291.	0.3	8
56	Inter- and intra-stock bioaccumulation of anionic arsenic species in an endangered catfish from South American estuaries: Risk assessment through consumption. Journal of Food Composition and Analysis, 2020, 87, 103404.	1.9	8
57	Ontogenetic and sexual variation in the sagitta otolith of <i>Menticirrhus americanus</i> (Teleostei). Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.4	8
58	Fin spine metals by LA-ICP-MS as a method for fish stock discrimination of <i>Genidens barbuis</i> in anthropized estuaries. Fisheries Research, 2020, 230, 105625.	0.9	8
59	Identification of fish stocks of river crocker ( <i>Plagioscion ternetzi</i> ) in Paran and Paraguay rivers by using otolith morphometric analysis. Latin American Journal of Aquatic Research, 2017, 43, 718-725.	0.2	8
60	Lapillus otoliths of the <i>Cathorops spixii</i> (Spix & Agassiz, 1829) and <i>Genidens genidens</i> (Cuvier, 1829) (Actinopterygii - Ariidae). Acta Scientiarum - Biological Sciences, 2014, 36, 343.	0.3	7
61	Monitoring of trace elements in silverside ( <i>Odontesthes bonariensis</i> ) from pampasic ponds, Argentina. Microchemical Journal, 2015, 120, 1-5.	2.3	7
62	Identification of nurseries areas of juvenile <i>Prochilodus lineatus</i> (Valenciennes, 1836) (Characiformes). Tj ETQq0 0 0 rgBT /Overlock 10 T 2016, 14, .	0.5	7
63	Otolith shape index: is it a tool for trophic ecology studies?. Journal of the Marine Biological Association of the United Kingdom, 2019, 99, 1675-1682.	0.4	7
64	New records of anadromous catfish <i>Genidens barbuis</i> (Lacpde, 1803) in the Paran Delta (South) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.2	6
65	Inter-annual variability in otolith chemistry of catfish <i>Genidens barbuis</i> from South-western Atlantic estuaries. Journal of the Marine Biological Association of the United Kingdom, 2018, 98, 855-865.	0.4	6
66	Statolith chemistry as a stock tag in the Argentine shortfin squid <i>Illex argentinus</i> . Regional Studies in Marine Science, 2020, 38, 101355.	0.4	6
67	HISTOPATHOLOGICAL CHANGES IN LIVER AND GILLS OF <i>Odontesthes bonariensis</i> INHABITING A LAKE WITH HIGH CONCENTRATIONS OF ARSENIC AND FLUORIDE (CHASIC LAKE, BUENOS AIRES PROVINCE). Revista Internacional De Contaminacion Ambiental, 2018, 34, 69-77.	0.1	6
68	Presence of trace elements in the silverside <i>Odontesthes argentinensis</i> . Marine Pollution Bulletin, 2017, 123, 127-132.	2.3	4
69	Mixed-stock and discriminant models use for assessing recruitment sources of estuarine fish populations in La Plata Basin (South America). Journal of the Marine Biological Association of the United Kingdom, 2019, 99, 1429-1433.	0.4	4
70	Water quality in equine production in Buenos Aires Province, Argentina. SN Applied Sciences, 2020, 2, 1.	1.5	4
71	Actinopterygii, Atheriniformes, Atherinopsidae, <i>Odontesthes bonariensis</i> Valenciennes, 1835: new records for the Plata Basin, Argentina. Check List, 2013, 9, 640.	0.1	4
72	Use of otolith microchemistry as habitat indicator of <i>Anchoa tricolor</i> (Spix and Agassiz, 1829) in a subtropical estuary. Latin American Journal of Aquatic Research, 2017, 45, 457-465.	0.2	4

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73	Length-weight and length-length relationship for three marine fish species of commercial importance from southwestern Atlantic Ocean coast. Latin American Journal of Aquatic Research, 2020, 48, 506-513.	0.2	4
74	Age, growth, and ontogenetic variation in the sagitta otolith of <i>Opsanus beta</i> (Goode & Bean, 1858). Journal of Fish Biology, 2022, 50, 124-134.	0.2	3
75	Unravelling Stock Spatial Structure of Silverside <i>Odontesthes argentinensis</i> (Valenciennes, 1835) from the North Argentinian Coast by Otoliths Shape Analysis. Fishes, 2022, 7, 155.	0.7	3
76	Forage enrichment with copper and zinc in beef grazing systems in Argentina. Journal of Geochemical Exploration, 2012, 121, 25-29.	1.5	2
77	Editorial: Studying the Biology of Aquatic Animals Through Calcified Structures. Frontiers in Marine Science, 2020, 7, .	1.2	2
78	Life Cycle Assessment of Water in Sport Equine Production in Argentina: A Case Study. Agriculture (Switzerland), 2021, 11, 1084.	1.4	2
79	South American sea lions <i>Otaria byronia</i> as biological samplers of local cephalopod fauna in the Patagonian shelf marine ecosystem. Journal of the Marine Biological Association of the United Kingdom, 2019, 99, 1459-1463.	0.4	1
80	Somatic growth and age of selected commercial fish species of the Cullera Coast, Iberian Peninsula, south-east Spain. Indian Journal of Fisheries, 2019, 66, .	0.3	1
81	Age and reproduction of the southern king croaker <i>Menticirrhus americanus</i> in subtropical South Atlantic environments. Latin American Journal of Aquatic Research, 2021, 49, 242-257.	0.2	0