Wagner C Valenti

List of Publications by Year
in descending order

108 papers	2,511 citations	257101 24 h-index	276539 41 g-index
118 all docs	118 docs citations	118 times ranked	1791 citing authors

#	Article	IF	Citations
1	Achieving sustainable aquaculture: Historical and current perspectives and future needs and challenges. Journal of the World Aquaculture Society, 2020, 51, 578-633.	1.2	271
2	Indicators of sustainability to assess aquaculture systems. Ecological Indicators, 2018, 88, 402-413.	2.6	152
3	Aquaculture in Brazil: past, present and future. Aquaculture Reports, 2021, 19, 100611.	0.7	109
4	Exotic species of freshwater decapod crustaceans in the state of SÃ£o Paulo, Brazil: records and possible causes of their introduction. Biodiversity and Conservation, 2005, 14, 1929-1945.	1.2	107
5	Morphotypes in male Amazon River Prawns, Macrobrachium amazonicum. Aquaculture, 2004, 236, 297-307.	1.7	84
6	Effect of Intensification on Grow Out of the Amazon River Prawn, Macrobrachium amazonicum. Journal of the World Aquaculture Society, 2007, 38, 516-526.	1.2	56
7	Traceability Issues in the Trade of Marine Ornamental Species. Reviews in Fisheries Science, 2013, 21, 98-111.	2.1	53
8	Feeding habit of the Amazon river prawn Macrobrachium amazonicum larvae. Aquaculture, 2007, 265, 187-193.	1.7	51
9	Sustainability of Nile tilapia net-cage culture in a reservoir in a semi-arid region. Ecological Indicators, 2016, 66, 574-582.	2.6	45
10	Integrated Freshwater Prawn Farming: State-of-the-Art and Future Potential. Reviews in Fisheries Science and Aquaculture, 2016, 24, 264-293.	5.1	44
11	Phosphorus Budget in Integrated Multitrophic Aquaculture Systems with Nile Tilapia, Oreochromis niloticus, and Amazon River Prawn, Macrobrachium amazonicum. Journal of the World Aquaculture Society, 2017, 48, 402-414.	1.2	40
12	Food intake of Macrobrachium rosenbergii during larval development. Aquaculture, 2003, 216, 165-176.	1.7	38
13	Production of Nile Tilapia Oreochromis niloticus and Freshwater Prawn Macrobrachium rosenbergii Stocked at Different Densities in Polyculture Systems in Brazil. Journal of the World Aquaculture Society, 2002, 33, 369-376.	1.2	37
14	Seahorse Aquaculture, Biology and Conservation: Knowledge Gaps and Research Opportunities. Reviews in Fisheries Science and Aquaculture, 2017, 25, 100-111.	5.1	37
15	Ingestion rates of Artemia nauplii for different larval stages of Macrobrachium rosenbergii. Aquaculture, 2003, 217, 223-233.	1.7	36
16	Comparison of Artificial and Natural, New and Reused, Brackish Water for the Larviculture of the Freshwater Prawn Macrobrachiurn rosenbergii in a Recirculating System. Journal of the World Aquaculture Society, 1998, 29, 345-350.	1.2	35
17	Effect of tank colour on larval performance of the Amazon River prawnMacrobrachium amazonicum. Aquaculture Research, 2014, 45, 1041-1050.	0.9	35
18	Lambari Aquaculture as a Means for the Sustainable Development of Rural Communities in Brazil. Reviews in Fisheries Science and Aquaculture, 2017, 25, 316-330.	5.1	34

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19	Effect of nitrite on larval development of giant river prawn Macrobrachium rosenbergii. Aquaculture, 2006, 261, 1292-1298.	1.7	33
20	Emergy assessment of tilapia cage farming in a hydroelectric reservoir. Ecological Engineering, 2014, 68, 72-79.	1.6	32
21	Effect of density on population development in the Amazon River prawn Macrobrachium amazonicum. Aquatic Biology, 2010, 9, 291-301.	0.5	32
22	Reproductive variability of the Amazon River prawn, Macrobrachium amazonicum (Caridea,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 T 2013, 41, 718-731.	0.2	32
23	Nitrogen budget in integrated aquaculture systems with Nile tilapia and Amazon River prawn. Aquaculture International, 2017, 25, 1733-1746.	1.1	31
24	Population structure and growth of the hermit crab Pagurus brevidactylus (Anomura: Paguridae) from the northern coast of SÃ£o Paulo, Brazil. Journal of the Marine Biological Association of the United Kingdom, 2005, 85, 127-128.	0.4	28
25	Crescimento relativo do camarÃ£o canela Macrobrachium amazonicum (Heller) (Crustacea, Decapoda,) Tj ETQq1 1 0.784314 rgBT /O	0.5	27
26	The budget of nitrogen in the growâ€out of the Amazon river prawn (Macrobrachium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 472 Td monoculture and in integrated multitrophic aquaculture systems. Aquaculture Research, 2019, 50, 3444-3461.	0.9	27
27	Integrated culture of Nile tilapia and Amazon river prawn in stagnant ponds, using nutrient-rich water and substrates. Aquaculture, 2019, 503, 111-117.	1.7	27
28	Growth Curves for Macrobrachium rosenbergii in Semi-Intensive Culture in Brazil. Journal of the World Aquaculture Society, 1996, 27, 353-358.	1.2	26
29	Effect of intermittent feeding on growth in early juveniles of the crayfish Cherax quadricarinatus. Aquaculture, 2011, 319, 98-104.	1.7	25
30	Technical feasibility of integrating Amazon river prawn culture during the first phase of tambaqui grow-out in stagnant ponds, using nutrient-rich water. Aquaculture, 2020, 516, 734611.	1.7	25
31	Subcellular Localization and Kinetic Characterization of a Gill (Na+, K+)-ATPase from the Giant Freshwater Prawn Macrobrachium rosenbergii. Journal of Membrane Biology, 2013, 246, 529-543.	1.0	24
32	Limnology of Macrobrachium amazonicum grow-out ponds subject to high inflow of nutrient-rich water and different stocking and harvest management. Aquaculture Research, 2011, 42, 1289-1297.	0.9	23
33	Kinetic Analysis of Gill (Na+,K+)-ATPase Activity in Selected Ontogenetic Stages of the Amazon River Shrimp, Macrobrachium amazonicum (Decapoda, Palaemonidae): Interactions at ATP- and Cation-Binding Sites. Journal of Membrane Biology, 2012, 245, 201-215.	1.0	23
34	Phosphorus in the culture of the Amazon river prawn (Macrobrachium amazonicum) and tambaqui (Colossoma macropomum) farmed in monoculture and in integrated multitrophic systems. Journal of the World Aquaculture Society, 2020, 51, 1002-1023.	1.2	23
35	Grow-out Systems - Monoculture. , 0, , 157-176.		22
36	Comparing environmental impacts of native and introduced freshwater prawn farming in Brazil and the influence of better effluent management using LCA. Aquaculture, 2015, 444, 151-159.	1.7	22

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37	Population structure of pond-raised Macrobrachium amazonicum with different stocking and harvesting strategies. Aquaculture, 2010, 307, 206-211.	1.7	21
38	Zooplankton capturing by Nile Tilapia, Oreochromis niloticus (Teleostei: Cichlidae) throughout post-larval development. Zoologia, 2015, 32, 469-475.	0.5	21
39	Are there any physiological differences betweenÂtheÂmale morphotypes of the freshwater shrimp MacrobrachiumÂamazonicum (Heller, 1862) (Caridea: Palaemonidae)?. Journal of Crustacean Biology, 2016, 36, 716-723.	0.3	21
40	The history of the introduction of the giant river prawn, Macrobrachium cf. rosenbergii (Decapoda,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 142-151.	0.6	20
41	Intensification of the Giant river prawnMacrobrachium rosenbergiihatchery production. Aquaculture Research, 2016, 47, 3747-3752.	0.9	20
42	Effects of Nitrate Concentration on Larval Development of the Giant River Prawn,Macrobrachium rosenbergii. Journal of Applied Aquaculture, 2004, 14, 55-69.	0.7	19
43	Improving production and diet assimilation in fish-prawn integrated aquaculture, using iliophagus species. Aquaculture, 2020, 521, 735048.	1.7	19
44	Comportamento alimentar do camarÃ£o de agua doce, Macrobrachium rosenbergii (De Man) (Crustacea,) Tj ETQq0 0 0 rgBT /Overlock	0.5	18
45	Recirculation Hatchery Systems and Management. , 0, , 69-90.		18
46	Larval Development of the Giant River Prawn Macrobrachium rosenbergii at Different Ammonia Concentrations and pH Values. Journal of the World Aquaculture Society, 2005, 36, 32-41.	1.2	18
47	Economic feasibility of intensification of Macrobrachium rosenbergii hatchery. Aquaculture Research, 2018, 49, 3769-3776.	0.9	18
48	Biological activities of the protein hydrolysate obtained from two fishes common in the fisheries bycatch. Food Chemistry, 2021, 342, 128361.	4.2	18
49	The budget of carbon in the farming of the Amazon river prawn and tambaqui fish in earthen pond monoculture and integrated multitrophic systems. Aquaculture Reports, 2020, 17, 100340.	0.7	17
50	Effect of polyunsaturated fatty acids on the fecundity of the Amazon river prawnMacrobrachium amazonicum(Heller, 1862). Aquaculture Research, 2012, 43, 1756-1763.	0.9	16
51	Maturation and growth curves of Macrobrachium Carcinus (Linnaeus) (Crustacea, Decapoda,) Tj ETQq1 1 0.784314 rgBT /Overlock 1 649-658.	0.5	16
52	Culture of the Amazon River PrawnMacrobrachium Amazonicum. , 0, , 485-501.		15
53	Effects of prawn stocking density and feeding management on riceâ€“prawn culture. Aquaculture, 2016, 451, 480-487.	1.7	15
54	Technical and economic feasibility of integrating seahorse culture in shrimp/oyster farms. Aquaculture Research, 2017, 48, 655-664.	0.9	15

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55	Crescimento relativo de Macrobrachium acanthurus (Wiegmann, 1836) (Crustacea, Decapoda,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.5	13
56	Sustainability of Freshwater Prawn Culture. , 0, , 429-434.		13
57	Shelf-Life of Tail Meat of the Giant River Prawn,Macrobrachium rosenbergii, Stored on Ice. Journal of Aquatic Food Product Technology, 2006, 15, 57-71.	0.6	13
58	The Predation of Artemia Nauplii by the Larvae of the Amazon River Prawn, Macrobrachium amazonicum (Heller, 1862), is Affected by Prey Density, Time of Day, and Ontogenetic Development. Journal of the World Aquaculture Society, 2012, 43, 659-669.	1.2	13
59	Preparation and Characterization of Microcapsules Containing Antioxidant Fish Protein Hydrolysates: a New Use of Bycatch in Brazil. Marine Biotechnology, 2021, 23, 321-330.	1.1	13
60	Effects of feeding strategy on larval development of the Amazon River prawn Macrobrachium amazonicum. Revista Brasileira De Zootecnia, 2017, 46, 85-90.	0.3	12
61	Successful invasion of the Amazon Coast by the giant river prawn, Macrobrachium rosenbergii: evidence of a reproductively viable population. Aquatic Invasions, 2016, 11, 277-286.	0.6	12
62	Optimizing packing of live seahorses for shipping. Aquaculture, 2018, 482, 57-64.	1.7	11
63	The effect of choice of targeted market, production scale, and land tenure on the economics of integrated tilapia-prawn production. Aquaculture, Economics and Management, 2019, 23, 204-217.	2.3	11
64	Integrated multi-trophic culture of Nile tilapia (Oreochromis niloticus) and Amazon river prawn (Macrobrachium amazonicum) in brackish water. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2015, 67, 265-273.	0.1	10
65	Effect of Habitat Diversity on Population Development of the Amazon River Prawn. Journal of Shellfish Research, 2016, 35, 1075-1081.	0.3	10
66	Economic analysis of family trout farming in Southern Brazil. Aquaculture International, 2020, 28, 2111-2120.	1.1	10
67	Sustainability of the seaweedHypnea pseudomusciformisfarming in the tropical Southwestern Atlantic. Ecological Indicators, 2021, 121, 107101.	2.6	10
68	Marine Biotechnology in Brazil: Recent Developments and Its Potential for Innovation. Frontiers in Marine Science, 2018, 5, .	1.2	9
69	Opportunities and constraints for developing low-cost aquaculture of seahorses in mangrove estuaries. Aquaculture, 2019, 502, 121-127.	1.7	9
70	Nitrate acute toxicity to post larvae and juveniles of Macrobrachium amazonicum (Heller, 1862). Chemosphere, 2020, 242, 125229.	4.2	9
71	A bioeconomic analysis of the potential of seaweed Hypnea pseudomusciformis farming to different targeted markets. Aquaculture, Economics and Management, 2020, 24, 507-525.	2.3	9
72	Ontogenetic Variation in Ammonia Excretion during the Early Life Stages of the Amazon River Prawn, Macrobrachium amazonicum. Journal of the World Aquaculture Society, 2010, 41, 107-115.	1.2	8

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73	Digestive proteases from wild and farmed male morphotypes of the Amazon river prawn (Macrobrachium amazonicum). Journal of Crustacean Biology, 2014, 34, 189-198.	0.3	8
74	A simple substrate to produce the tropical epiphytic algae Hypnea pseudomusciformis. Aquacultural Engineering, 2020, 89, 102066.	1.4	8
75	Environmental Accounting of the Yellow-Tail Lambari Aquaculture: Sustainability of Rural Freshwater Pond Systems. Sustainability, 2022, 14, 2090.	1.6	8
76	Economics and Management of Freshwater Prawn Culture in Western Hemisphere. , 0, , 261-278.		7
77	Chemical composition and fatty acid contents in farmed freshwater prawns. Pesquisa Agropecuaria Brasileira, 2013, 48, 1115-1118.	0.9	7
78	Effects of Ambient Nitrite on Amazon River Prawn, Macrobrachium amazonicum, larvae. Journal of the World Aquaculture Society, 2014, 45, 55-64.	1.2	7
79	Effects of artificial substrate and night-time aeration on the water quality inMacrobrachium amazonicum(Heller 1862) pond culture. Aquaculture Research, 2015, 46, 618-625.	0.9	7
80	Social interaction in males of the Amazon river prawn Macrobrachium amazonicum (Heller, 1862) (Decapoda, Palaemonidae). Crustaceana, 2021, 94, 325-341.	0.1	7
81	Beyond a Sustainable Consumption Behavior: What Post-pandemic World Do We Want to Live in?. Frontiers in Sustainability, 2021, 2, .	1.3	7
82	Effect of food shortage on growth, energetic reserves mobilization, and water quality in juveniles of the redclaw crayfish, Cherax quadricarinatus, reared in groups. Journal of Crustacean Biology, 2014, 34, 639-646.	0.3	6
83	Carbon budget in integrated aquaculture systems with Nile tilapia (Oreochromis niloticus) and Amazon river prawn (Macrobrachium amazonicum). Aquaculture Research, 2021, 52, 5155-5167.	0.9	6
84	Environmental sustainability of Nile tilapia net-cage culture in a neotropical region. Ecological Indicators, 2021, 129, 108008.	2.6	6
85	Grow-Out Systemsâ€“ Monoculture. , 0, , 154-179.		5
86	Reproductive cycle of the Amazonian planktivorous catfish Hypophthalmus marginatus (Siluriformes, Pimelodidae). Aquaculture Research, 2019, 50, 3382-3391.	0.9	5
87	Improving the Efficiency of Lambari Production and Diet Assimilation Using Integrated Aquaculture with Benthic Species. Sustainability, 2021, 13, 10196.	1.6	5
88	Bioactivity of the Protein Hydrolysates Obtained from the Most Abundant Crustacean Bycatch. Marine Biotechnology, 2021, 23, 881-891.	1.1	5
89	Economic effects of production scale, use of agricultural greenhouses, and integration of tropical aquaculture species when farming in a subtropical climate. Aquaculture International, 2022, 30, 547-579.	1.1	5
90	Sustainability of Freshwater Prawn Culture. , 0, , 524-530.		4

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91	First insights on the bacterial fingerprints of live seahorse skin mucus and its relevance for traceability. Aquaculture, 2018, 492, 259-264.	1.7	4
92	Dietary copper absorption and excretion in three semi-terrestrial grapsoid crabs with different levels of terrestrial adaptation. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2008, 148, 112-116.	1.3	3
93	Effect of Water Exchange and Mechanical Aeration on Grow-out of the Amazon River Prawn in Ponds. Journal of the World Aquaculture Society, 2013, 44, 845-852.	1.2	3
94	Chemical Profile of the Sulphated Saponins from the Starfish Luidia senegalensis Collected as by-Catch Fauna in Brazilian Coast. Natural Products and Bioprospecting, 2018, 8, 83-89.	2.0	3
95	Can the polyculture with South American catfish improve the feeding efficiency of rainbow trout culture?. Aquaculture International, 2018, 26, 487-493.	1.1	3
96	Energy budget and physiology in early ontogenetic stages of the Amazon river prawnâ˜†. Aquaculture Reports, 2020, 18, 100446.	0.7	3
97	Freshwater Caridean Culture. , 2020, , 207-232.		3
98	Contribution of Strontium Ion in Formulation of Artificial Sea Water Used in Larviculture of Giant River Prawn,Macrobrachium rosenbergii. Journal of Applied Aquaculture, 2002, 12, 13-22.	0.7	2
99	Culture of Other Freshwater Prawn Species. , 0, , 502-523.		2
100	Sensory aspects of liquid smoking of giant river prawn: comparison with traditional smoking. International Journal of Food Science and Technology, 2011, 46, 834-839.	1.3	2
101	Toward a good scientific writing. International Aquatic Research, 2014, 6, 175-176.	1.5	2
102	Sustainability Analysis of the Production of Early Stages of the Atlantic Forest Lambari (Deuterodon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.6	2
103	Hatchery Systems and Management. , 0, , 55-85.		1
104	Isolation and characterization of SNPs within HSC70 gene in the freshwater prawn Macrobrachium amazonicum. Conservation Genetics Resources, 2013, 5, 631-633.	0.4	1
105	Ontogenetic Development of Sensory Structures on the Antennules and Antennae of the Giant River PrawnMacrobrachium rosenbergii(De Man). Journal of Shellfish Research, 2014, 33, 833-840.	0.3	1
106	Prospection of putative genes for digestive enzymes based on functional genome of the hepatopancreas of Amazon river prawn. Acta Scientiarum - Animal Sciences, 0, 44, e53894.	0.3	1
107	Economic, social, and environmental assessment of farming Nile tilapia in net-cages in a reservoir in hot semi-arid region during an extended drought event. Environmental Science and Pollution Research, 2022, 29, 78768-78779.	2.7	1
108	Transportation of Amazon river prawnMacrobrachium amazonicumjuveniles in different biomass densities. Aquaculture Research, 2014, 45, 1264-1268.	0.9	0