

# Wagner C Valenti

## List of Publications by Citations

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109  
papers

1,586  
citations

22  
h-index

33  
g-index

118  
ext. papers

1,954  
ext. citations

3  
avg, IF

5.17  
L-index

#	Paper	IF	Citations
109	Indicators of sustainability to assess aquaculture systems. <i>Ecological Indicators</i> , <b>2018</b> , 88, 402-413	5.8	97
108	Achieving sustainable aquaculture: Historical and current perspectives and future needs and challenges. <i>Journal of the World Aquaculture Society</i> , <b>2020</b> , 51, 578-633	2.5	84
107	Exotic species of freshwater decapod crustaceans in the state of S Paulo, Brazil: records and possible causes of their introduction. <i>Biodiversity and Conservation</i> , <b>2005</b> , 14, 1929-1945	3.4	76
106	Morphotypes in male Amazon River Prawns, <i>Macrobrachium amazonicum</i> . <i>Aquaculture</i> , <b>2004</b> , 236, 297-307	4.7	64
105	Effect of Intensification on Grow Out of the Amazon River Prawn, <i>Macrobrachium amazonicum</i> . <i>Journal of the World Aquaculture Society</i> , <b>2007</b> , 38, 516-526	2.5	43
104	Feeding habit of the Amazon river prawn <i>Macrobrachium amazonicum</i> larvae. <i>Aquaculture</i> , <b>2007</b> , 265, 187-193	4.4	41
103	Traceability Issues in the Trade of Marine Ornamental Species. <i>Reviews in Fisheries Science</i> , <b>2013</b> , 21, 98-111		40
102	Sustainability of Nile tilapia net-cage culture in a reservoir in a semi-arid region. <i>Ecological Indicators</i> , <b>2016</b> , 66, 574-582	5.8	37
101	<b>2000</b> ,		35
100	Integrated Freshwater Prawn Farming: State-of-the-Art and Future Potential. <i>Reviews in Fisheries Science and Aquaculture</i> , <b>2016</b> , 24, 264-293	8.3	34
99	Production of Nile Tilapia <i>Oreochromis niloticus</i> and Freshwater Prawn <i>Macrobrachium rosenbergii</i> Stocked at Different Densities in Polyculture Systems in Brazil. <i>Journal of the World Aquaculture Society</i> , <b>2002</b> , 33, 369-376	2.5	33
98	Food intake of <i>Macrobrachium rosenbergii</i> during larval development. <i>Aquaculture</i> , <b>2003</b> , 216, 165-176	4.4	32
97	Ingestion rates of <i>Artemia nauplii</i> for different larval stages of <i>Macrobrachium rosenbergii</i> . <i>Aquaculture</i> , <b>2003</b> , 217, 223-233	4.4	30
96	Aquaculture in Brazil: past, present and future. <i>Aquaculture Reports</i> , <b>2021</b> , 19, 100611	2.3	30
95	Comparison of Artificial and Natural, New and Reused, Brackish Water for the Larviculture of the Freshwater Prawn <i>Macrobrachium rosenbergii</i> in a Recirculating System. <i>Journal of the World Aquaculture Society</i> , <b>1998</b> , 29, 345-350	2.5	29
94	Emergy assessment of tilapia cage farming in a hydroelectric reservoir. <i>Ecological Engineering</i> , <b>2014</b> , 68, 72-79	3.9	28
93	Effect of tank colour on larval performance of the Amazon River prawn <i>Macrobrachium amazonicum</i> . <i>Aquaculture Research</i> , <b>2014</b> , 45, 1041-1050	1.9	27

92	Phosphorus Budget in Integrated Multitrophic Aquaculture Systems with Nile Tilapia, Oreochromis niloticus, and Amazon River Prawn, Macrobrachium amazonicum. <i>Journal of the World Aquaculture Society</i> , <b>2017</b> , 48, 402-414	2.5	26
91	Effect of nitrite on larval development of giant river prawn <i>Macrobrachium rosenbergii</i> . <i>Aquaculture</i> , <b>2006</b> , 261, 1292-1298	4.4	25
90	Population structure and growth of the hermit crab <i>Pagurus brevidactylus</i> (Anomura: Paguridae) from the northern coast of S Paulo, Brazil. <i>Journal of the Marine Biological Association of the United Kingdom</i> , <b>2005</b> , 85, 127-128	1.1	24
89	Effect of density on population development in the Amazon River prawn <i>Macrobrachium amazonicum</i> . <i>Aquatic Biology</i> , <b>2010</b> , 9, 291-301	2	24
88	Reproductive variability of the Amazon River prawn, <i>Macrobrachium amazonicum</i> (Caridea, Palaemonidae): influence of life cycle on egg production. <i>Latin American Journal of Aquatic Research</i> , <b>2013</b> , 41, 718-731	1.5	23
87	Nitrogen budget in integrated aquaculture systems with Nile tilapia and Amazon River prawn. <i>Aquaculture International</i> , <b>2017</b> , 25, 1733-1746	2.6	22
86	Growth Curves for <i>Macrobrachium rosenbergii</i> in Semi-Intensive Culture in Brazil. <i>Journal of the World Aquaculture Society</i> , <b>1996</b> , 27, 353-358	2.5	22
85	Lambari Aquaculture as a Means for the Sustainable Development of Rural Communities in Brazil. <i>Reviews in Fisheries Science and Aquaculture</i> , <b>2017</b> , 25, 316-330	8.3	21
84	Seahorse Aquaculture, Biology and Conservation: Knowledge Gaps and Research Opportunities. <i>Reviews in Fisheries Science and Aquaculture</i> , <b>2017</b> , 25, 100-111	8.3	21
83	Effect of intermittent feeding on growth in early juveniles of the crayfish <i>Cherax quadricarinatus</i> . <i>Aquaculture</i> , <b>2011</b> , 319, 98-104	4.4	21
82	Limnology of <i>Macrobrachium amazonicum</i> grow-out ponds subject to high inflow of nutrient-rich water and different stocking and harvest management. <i>Aquaculture Research</i> , <b>2011</b> , 42, 1289-1297	1.9	21
81	Kinetic analysis of gill (Na <sup>+</sup> ,K <sup>+</sup> )-ATPase activity in selected ontogenetic stages of the Amazon River shrimp, <i>Macrobrachium amazonicum</i> (Decapoda, Palaemonidae): interactions at ATP- and cation-binding sites. <i>Journal of Membrane Biology</i> , <b>2012</b> , 245, 201-15	2.3	20
80	Comparing environmental impacts of native and introduced freshwater prawn farming in Brazil and the influence of better effluent management using LCA. <i>Aquaculture</i> , <b>2015</b> , 444, 151-159	4.4	18
79	The budget of nitrogen in the grow-out of the Amazon river prawn ( <i>Macrobrachium amazonicum</i> Heller) and tambaqui ( <i>Colossoma macropomum</i> Cuvier) farmed in monoculture and in integrated multitrophic aquaculture systems. <i>Aquaculture Research</i> , <b>2019</b> , 50, 3444-3461	1.9	18
78	Subcellular localization and kinetic characterization of a gill (Na <sup>+</sup> , K <sup>+</sup> )-ATPase from the giant freshwater prawn <i>Macrobrachium rosenbergii</i> . <i>Journal of Membrane Biology</i> , <b>2013</b> , 246, 529-43	2.3	18
77	<b>2009</b> ,		18
76	Crescimento relativo do camar canela <i>Macrobrachium amazonicum</i> (Heller) (Crustacea, Decapoda, Palaemonidae) em viveiros. <i>Revista Brasileira De Zoologia</i> , <b>2002</b> , 19, 1169-1176		18
75	Are There Any Physiological Differences between the Male Morphotypes of the Freshwater Shrimp <i>Macrobrachium Amazonicum</i> () (Caridea: Palaemonidae)?. <i>Journal of Crustacean Biology</i> , <b>2016</b> , 36, 716-723	0.8	17

74	The history of the introduction of the giant river prawn, <i>Macrobrachium cf. rosenbergii</i> (Decapoda, Palaemonidae), in Brazil: New insights from molecular data. <i>Genetics and Molecular Biology</i> , <b>2011</b> , 34, 142-51	2	17
73	Population structure of pond-raised <i>Macrobrachium amazonicum</i> with different stocking and harvesting strategies. <i>Aquaculture</i> , <b>2010</b> , 307, 206-211	4.4	16
72	Comportamento alimentar do camarão de água doce, <i>Macrobrachium rosenbergii</i> (De Man) (Crustacea, Palaemonidae) durante a fase larval: análise qualitativa. <i>Revista Brasileira De Zoologia</i> , <b>1997</b> , 14, 785-793		16
71	Zooplankton capturing by Nile Tilapia, <i>Oreochromis niloticus</i> (Teleostei: Cichlidae) throughout post-larval development. <i>Zoologia</i> , <b>2015</b> , 32, 469-475	2	15
70	Technical feasibility of integrating Amazon river prawn culture during the first phase of tambaqui grow-out in stagnant ponds, using nutrient-rich water. <i>Aquaculture</i> , <b>2020</b> , 516, 734611	4.4	15
69	Intensification of the Giant river prawn <i>Macrobrachium rosenbergii</i> hatchery production. <i>Aquaculture Research</i> , <b>2016</b> , 47, 3747-3752	1.9	14
68	Effects of Nitrate Concentration on Larval Development of the Giant River Prawn, <i>Macrobrachium rosenbergii</i> . <i>Journal of Applied Aquaculture</i> , <b>2004</b> , 14, 55-69	0.8	14
67	Phosphorus in the culture of the Amazon river prawn ( <i>Macrobrachium amazonicum</i> ) and tambaqui ( <i>Colossoma macropomum</i> ) farmed in monoculture and in integrated multitrophic systems. <i>Journal of the World Aquaculture Society</i> , <b>2020</b> , 51, 1002-1023	2.5	14
66	Integrated culture of Nile tilapia and Amazon river prawn in stagnant ponds, using nutrient-rich water and substrates. <i>Aquaculture</i> , <b>2019</b> , 503, 111-117	4.4	14
65	Larval Development of the Giant River Prawn <i>Macrobrachium rosenbergii</i> at Different Ammonia Concentrations and pH Values. <i>Journal of the World Aquaculture Society</i> , <b>2007</b> , 36, 32-41	2.5	13
64	Recirculation Hatchery Systems and Management69-90		13
63	Maturation and growth curves of <i>Macrobrachium Carcinus</i> (Linnaeus) (Crustacea, Decapoda, Palaemonidae) from Ribeira de Iguape River, southern Brazil. <i>Revista Brasileira De Zoologia</i> , <b>1994</b> , 11, 649-658		13
62	Grow-out Systems - Monoculture157-176		12
61	Technical and economic feasibility of integrating seahorse culture in shrimp/oyster farms. <i>Aquaculture Research</i> , <b>2017</b> , 48, 655-664	1.9	11
60	Effects of prawn stocking density and feeding management on rice-prawn culture. <i>Aquaculture</i> , <b>2016</b> , 451, 480-487	4.4	10
59	Improving production and diet assimilation in fish-prawn integrated aquaculture, using <i>Iliophagus</i> species. <i>Aquaculture</i> , <b>2020</b> , 521, 735048	4.4	10
58	The Predation of <i>Artemia Nauplii</i> by the Larvae of the Amazon River Prawn, <i>Macrobrachium amazonicum</i> (Heller, 1862), is Affected by Prey Density, Time of Day, and Ontogenetic Development. <i>Journal of the World Aquaculture Society</i> , <b>2012</b> , 43, 659-669	2.5	10
57	Shelf-Life of Tail Meat of the Giant River Prawn, <i>Macrobrachium rosenbergii</i> , Stored on Ice. <i>Journal of Aquatic Food Product Technology</i> , <b>2006</b> , 15, 57-71	1.6	10

56	Sustainability of Freshwater Prawn Culture429-434		10
55	The budget of carbon in the farming of the Amazon river prawn and tambaqui fish in earthen pond monoculture and integrated multitrophic systems. <i>Aquaculture Reports</i> , <b>2020</b> , 17, 100340	2.3	9
54	Effect of polyunsaturated fatty acids on the fecundity of the Amazon river prawn <i>Macrobrachium amazonicum</i> (Heller, 1862). <i>Aquaculture Research</i> , <b>2012</b> , 43, 1756-1763	1.9	9
53	Crescimento relativo de <i>Macrobrachium acanthurus</i> (Wiegmann, 1836) (Crustacea, Decapoda, Palaemonidae). <i>Revista Brasileira De Zoologia</i> , <b>1989</b> , 6, 1-8		9
52	Effect of Habitat Diversity on Population Development of the Amazon River Prawn. <i>Journal of Shellfish Research</i> , <b>2016</b> , 35, 1075-1081	1	9
51	Economic feasibility of intensification of <i>Macrobrachium rosenbergii</i> hatchery. <i>Aquaculture Research</i> , <b>2018</b> , 49, 3769-3776	1.9	9
50	Effects of feeding strategy on larval development of the Amazon River prawn <i>Macrobrachium amazonicum</i> . <i>Revista Brasileira De Zootecnia</i> , <b>2017</b> , 46, 85-90	1.2	8
49	Optimizing packing of live seahorses for shipping. <i>Aquaculture</i> , <b>2018</b> , 482, 57-64	4.4	8
48	Integrated multi-trophic culture of Nile tilapia ( <i>Oreochromis niloticus</i> ) and Amazon river prawn ( <i>Macrobrachium amazonicum</i> ) in brackish water. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , <b>2015</b> , 67, 265-273	0.3	7
47	Ontogenetic Variation in Ammonia Excretion during the Early Life Stages of the Amazon River Prawn, <i>Macrobrachium amazonicum</i> . <i>Journal of the World Aquaculture Society</i> , <b>2010</b> , 41, 107-115	2.5	7
46	Successful invasion of the Amazon Coast by the giant river prawn, <i>Macrobrachium rosenbergii</i> : evidence of a reproductively viable population. <i>Aquatic Invasions</i> , <b>2016</b> , 11, 277-286	2.9	7
45	A bioeconomic analysis of the potential of seaweed <i>Hypnea pseudomusciformis</i> farming to different targeted markets. <i>Aquaculture, Economics and Management</i> , <b>2020</b> , 24, 507-525	3.5	7
44	The effect of choice of targeted market, production scale, and land tenure on the economics of integrated tilapia-prawn production. <i>Aquaculture, Economics and Management</i> , <b>2019</b> , 23, 204-217	3.5	7
43	A simple substrate to produce the tropical epiphytic algae <i>Hypnea pseudomusciformis</i> . <i>Aquacultural Engineering</i> , <b>2020</b> , 89, 102066	3	7
42	Effects of artificial substrate and night-time aeration on the water quality in <i>Macrobrachium amazonicum</i> (Heller 1862) pond culture. <i>Aquaculture Research</i> , <b>2015</b> , 46, 618-625	1.9	6
41	Marine Biotechnology in Brazil: Recent Developments and Its Potential for Innovation. <i>Frontiers in Marine Science</i> , <b>2018</b> , 5,	4.5	6
40	Effect of Food Shortage on Growth, Energetic Reserves Mobilization, and Water Quality in Juveniles of the Redclaw Crayfish, <i>Cherax Quadricarinatus</i> , Reared in Groups. <i>Journal of Crustacean Biology</i> , <b>2014</b> , 34, 639-646	0.8	6
39	Effects of Ambient Nitrite on Amazon River Prawn, <i>Macrobrachium amazonicum</i> , larvae. <i>Journal of the World Aquaculture Society</i> , <b>2014</b> , 45, 55-64	2.5	6

38	Nitrate acute toxicity to post larvae and juveniles of <i>Macrobrachium amazonicum</i> (Heller, 1862). <i>Chemosphere</i> , <b>2020</b> , 242, 125229	8.4	6
37	Biological activities of the protein hydrolysate obtained from two fishes common in the fisheries bycatch. <i>Food Chemistry</i> , <b>2021</b> , 342, 128361	8.5	6
36	Economics and Management of Freshwater Prawn Culture in Western Hemisphere261-278		5
35	Opportunities and constraints for developing low-cost aquaculture of seahorses in mangrove estuaries. <i>Aquaculture</i> , <b>2019</b> , 502, 121-127	4.4	5
34	Sustainability of the seaweed <i>Hypnea pseudomusciformis</i> farming in the tropical Southwestern Atlantic. <i>Ecological Indicators</i> , <b>2021</b> , 121, 107101	5.8	5
33	Digestive proteases from wild and farmed male morphotypes of the Amazon river prawn ( <i>Macrobrachium amazonicum</i> ). <i>Journal of Crustacean Biology</i> , <b>2014</b> , 34, 189-198	0.8	4
32	Chemical composition and fatty acid contents in farmed freshwater prawns. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2013</b> , 48, 1115-1118	1.8	4
31	Beyond a Sustainable Consumption Behavior: What Post-pandemic World Do We Want to Live in?. <i>Frontiers in Sustainability</i> , <b>2021</b> , 2,	2.1	3
30	Environmental sustainability of Nile tilapia net-cage culture in a neotropical region. <i>Ecological Indicators</i> , <b>2021</b> , 129, 108008	5.8	3
29	First insights on the bacterial fingerprints of live seahorse skin mucus and its relevance for traceability. <i>Aquaculture</i> , <b>2018</b> , 492, 259-264	4.4	2
28	Can the polyculture with South American catfish improve the feeding efficiency of rainbow trout culture?. <i>Aquaculture International</i> , <b>2018</b> , 26, 487-493	2.6	2
27	Effect of Water Exchange and Mechanical Aeration on Grow-out of the Amazon River Prawn in Ponds. <i>Journal of the World Aquaculture Society</i> , <b>2013</b> , 44, 845-852	2.5	2
26	Sensory aspects of liquid smoking of giant river prawn: comparison with traditional smoking. <i>International Journal of Food Science and Technology</i> , <b>2011</b> , 46, 834-839	3.8	2
25	Culture of the Amazon River Prawn <i>Macrobrachium Amazonicum</i> 485-501		2
24	Dietary copper absorption and excretion in three semi-terrestrial grapsoid crabs with different levels of terrestrial adaptation. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2008</b> , 148, 112-6	3.2	2
23	Contribution of Strontium Ion in Formulation of Artificial Sea Water Used in Larviculture of Giant River Prawn, <i>Macrobrachium rosenbergii</i> . <i>Journal of Applied Aquaculture</i> , <b>2002</b> , 12, 13-22	0.8	2
22	Freshwater Caridean Culture <b>2020</b> , 207-232		2
21	Economic analysis of family trout farming in Southern Brazil. <i>Aquaculture International</i> , <b>2020</b> , 28, 2111-2120	2.1	2

20	Social interaction in males of the Amazon river prawn <i>Macrobrachium amazonicum</i> (Heller, 1862) (Decapoda, Palaemonidae). <i>Crustaceana</i> , <b>2021</b> , 94, 325-341	0.4	2
19	Carbon budget in integrated aquaculture systems with Nile tilapia ( <i>Oreochromis niloticus</i> ) and Amazon river prawn ( <i>Macrobrachium amazonicum</i> ). <i>Aquaculture Research</i> , <b>2021</b> , 52, 5155	1.9	2
18	Improving the Efficiency of Lambari Production and Diet Assimilation Using Integrated Aquaculture with Benthic Species. <i>Sustainability</i> , <b>2021</b> , 13, 10196	3.6	2
17	Chemical Profile of the Sulphated Saponins From the Starfish <i>Luidia senegalensis</i> Collected as by-Catch Fauna in Brazilian Coast. <i>Natural Products and Bioprospecting</i> , <b>2018</b> , 8, 83-89	4.9	1
16	Reproductive cycle of the Amazonian planktivorous catfish <i>Hypophthalmus marginatus</i> (Siluriformes, Pimelodidae). <i>Aquaculture Research</i> , <b>2019</b> , 50, 3382-3391	1.9	1
15	Isolation and characterization of SNPs within HSC70 gene in the freshwater prawn <i>Macrobrachium amazonicum</i> . <i>Conservation Genetics Resources</i> , <b>2013</b> , 5, 631-633	0.8	1
14	Culture of Other Freshwater Prawn Species502-523		1
13	Sustainability of Freshwater Prawn Culture524-530		1
12	Energy budget and physiology in early ontogenetic stages of the Amazon river prawn?. <i>Aquaculture Reports</i> , <b>2020</b> , 18, 100446	2.3	1
11	Preparation and Characterization of Microcapsules Containing Antioxidant Fish Protein Hydrolysates: a New Use of Bycatch in Brazil. <i>Marine Biotechnology</i> , <b>2021</b> , 23, 321-330	3.4	1
10	Sustainability Analysis of the Production of Early Stages of the Atlantic Forest Lambari ( <i>Deuterodon iguape</i> ) in a Public Hatchery at a Rainforest Conservation Area. <i>Sustainability</i> , <b>2021</b> , 13, 5934	3.6	1
9	Grow-Out Systems [Monoculture154-179		0
8	Economic effects of production scale, use of agricultural greenhouses, and integration of tropical aquaculture species when farming in a subtropical climate. <i>Aquaculture International</i> ,1	2.6	0
7	Bioactivity of the Protein Hydrolysates Obtained from the Most Abundant Crustacean Bycatch. <i>Marine Biotechnology</i> , <b>2021</b> , 23, 881-891	3.4	0
6	Environmental Accounting of the Yellow-Tail Lambari Aquaculture: Sustainability of Rural Freshwater Pond Systems. <i>Sustainability</i> , <b>2022</b> , 14, 2090	3.6	0
5	Transportation of Amazon river prawn <i>Macrobrachium amazonicum</i> juveniles in different biomass densities. <i>Aquaculture Research</i> , <b>2014</b> , 45, 1264-1268	1.9	
4	Ontogenetic Development of Sensory Structures on the Antennules and Antennae of the Giant River Prawn <i>Macrobrachium rosenbergii</i> (De Man). <i>Journal of Shellfish Research</i> , <b>2014</b> , 33, 833-840	1	
3	Hatchery Systems and Management55-85		

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1 Prospection of putative genes for digestive enzymes based on functional genome of the hepatopancreas of Amazon river prawn. *Acta Scientiarum - Animal Sciences*,44, e53894

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