

Manuel Serra

List of Publications by Year in descending order

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114
papers

3,658
citations

126907

33
h-index

161849

54
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118
all docs

118
docs citations

118
times ranked

1458
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic Variability of the Mating Recognition Gene in Populations of <i>Brachionus plicatilis</i> . <i>Diversity</i> , 2022, 14, 155.	1.7	4
2	Male Adaptive Plasticity Can Explain the Evolution of Sexual Perception Costs. <i>American Naturalist</i> , 2022, 200, E110-E123.	2.1	4
3	Body size variability across habitats in the <i>Brachionus plicatilis</i> cryptic species complex. <i>Scientific Reports</i> , 2022, 12, 6912.	3.3	4
4	Facing Adversity: Dormant Embryos in Rotifers. <i>Biological Bulletin</i> , 2019, 237, 119-144.	1.8	39
5	Rotifer adaptation to the unpredictability of the growing season. <i>Hydrobiologia</i> , 2019, 844, 257-273.	2.0	8
6	Evidencing the cost of sexual reproduction in the rotifer <i>Brachionus plicatilis</i> . <i>Hydrobiologia</i> , 2019, 844, 243-255.	2.0	2
7	Cyclically parthenogenetic rotifers and the theories of population and evolutionary ecology. , 2019, 38, 67-93.		14
8	Genomic signatures of local adaptation to the degree of environmental predictability in rotifers. <i>Scientific Reports</i> , 2018, 8, 16051.	3.3	22
9	Ageing via perception costs of reproduction magnifies sexual selection. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20182136.	2.6	7
10	Reproduction, Overview by Phylogeny: Rotifera. , 2018, , 513-521.		7
11	Founder effects drive the genetic structure of passively dispersed aquatic invertebrates. <i>PeerJ</i> , 2018, 6, e6094.	2.0	15
12	Fifteen species in one: deciphering the <i>Brachionus plicatilis</i> species complex (Rotifera, Monogononta) through DNA taxonomy. <i>Hydrobiologia</i> , 2017, 796, 39-58.	2.0	185
13	Ecological differentiation in cryptic rotifer species: what we can learn from the <i>Brachionus plicatilis</i> complex. <i>Hydrobiologia</i> , 2017, 796, 7-18.	2.0	39
14	Diapausing egg banks, lake size, and genetic diversity in the rotifer <i>Brachionus plicatilis</i> Muller (Rotifera, Monogononta). <i>Hydrobiologia</i> , 2017, 796, 77-91.	2.0	15
15	Empirical evidence for fast temperature-dependent body size evolution in rotifers. <i>Hydrobiologia</i> , 2017, 796, 191-200.	2.0	28
16	Speciation in the <i>Brachionus plicatilis</i> Species Complex. <i>Fisheries Science Series</i> , 2017, , 15-32.	0.5	7
17	Modes, mechanisms and evidence of bet hedging in rotifer diapause traits. <i>Hydrobiologia</i> , 2017, 796, 223-233.	2.0	22
18	Quantifying unpredictability: A multiple-model approach based on satellite imagery data from Mediterranean ponds. <i>PLoS ONE</i> , 2017, 12, e0187958.	2.5	17

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19	Perception costs of reproduction can magnify sexual selection. <i>Nature Ecology and Evolution</i> , 2017, 1, 1414-1415.	7.8	6
20	Adaptation in response to environmental unpredictability. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170427.	2.6	44
21	Diapause as escape strategy to exposure to toxicants: response of <i>Brachionus calyciforus</i> to arsenic. <i>Ecotoxicology</i> , 2016, 25, 708-719.	2.4	21
22	Long-Term Competitive Dynamics of Two Cryptic Rotifer Species: Diapause and Fluctuating Conditions. <i>PLoS ONE</i> , 2015, 10, e0124406.	2.5	14
23	Zooplankton competition promotes trade-offs affecting diapause in rotifers. <i>Oecologia</i> , 2015, 177, 273-279.	2.0	3
24	Life-history traits, abiotic environment and coexistence: The case of two cryptic rotifer species. <i>Journal of Experimental Marine Biology and Ecology</i> , 2015, 465, 142-152.	1.5	29
25	Life-history variation, environmental fluctuations and competition in ecologically similar species: modeling the case of rotifers. <i>Journal of Plankton Research</i> , 2015, 37, 953-965.	1.8	11
26	Species size affects hatching response to different temperature regimes in a rotifer cryptic species complex. <i>Evolutionary Ecology</i> , 2014, 28, 131-140.	1.2	13
27	The effect of environmental uncertainty and diapause investment on the occurrence of specialist and generalist species. <i>International Review of Hydrobiology</i> , 2014, 99, 125-132.	0.9	6
28	Measuring the potential for growth in populations investing in diapause. <i>Ecological Modelling</i> , 2014, 272, 76-83.	2.5	12
29	Betâhedging in diapausing egg hatching of temporary rotifer populations â€“ A review of models and new insights. <i>International Review of Hydrobiology</i> , 2014, 99, 96-106.	0.9	34
30	Inter- and intraspecific relationships between performance and temperature in a cryptic species complex of the rotifer <i>Brachionus plicatilis</i> . <i>Hydrobiologia</i> , 2014, 734, 17-26.	2.0	21
31	Does genetic diversity reduce intraspecific competition in rotifer populations?. <i>Hydrobiologia</i> , 2013, 705, 43-54.	2.0	6
32	Morphological Similarity and Ecological Overlap in Two Rotifer Species. <i>PLoS ONE</i> , 2013, 8, e57087.	2.5	32
33	Long-Term Coexistence of Rotifer Cryptic Species. <i>PLoS ONE</i> , 2011, 6, e21530.	2.5	59
34	Local adaptation in rotifer populations. <i>Evolutionary Ecology</i> , 2011, 25, 933-947.	1.2	60
35	Analysing threshold effects in the sexual dynamics of cyclically parthenogenetic rotifer populations. <i>Hydrobiologia</i> , 2011, 662, 121-130.	2.0	12
36	Effect of experimental methodology on estimation of density at sex initiation in cyclically parthenogenetic rotifers. <i>Hydrobiologia</i> , 2011, 662, 131-139.	2.0	10

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37	Life-Cycle Switching and Coexistence of Species with No Niche Differentiation. PLoS ONE, 2011, 6, e20314.	2.5	37
38	Widespread Secondary Contact and New Glacial Refugia in the Halophilic Rotifer <i>Brachionus plicatilis</i> in the Iberian Peninsula. PLoS ONE, 2011, 6, e20986.	2.5	17
39	Effects of population outcrossing on rotifer fitness. BMC Evolutionary Biology, 2010, 10, 312.	3.2	14
40	Does Haplodiploidy Purge Inbreeding Depression in Rotifer Populations?. PLoS ONE, 2009, 4, e8195.	2.5	25
41	Crossed induction of sex in sympatric congeneric rotifer populations. Limnology and Oceanography, 2009, 54, 1845-1854.	3.1	13
42	Selection of low investment in sex in a cyclically parthenogenetic rotifer. Journal of Evolutionary Biology, 2009, 22, 1975-1983.	1.7	55
43	Selection on life-history traits and genetic population divergence in rotifers. Journal of Evolutionary Biology, 2009, 22, 2542-2553.	1.7	45
44	Sex Loss in Monogonont Rotifers. , 2009, , 281-294.		37
45	When to be sexual: sex allocation theory and population density-dependent induction of sex in cyclical parthenogens. Journal of Plankton Research, 2008, 30, 1207-1214.	1.8	20
46	Assessing rotifer diapausing egg bank diversity and abundance in brackish temporary environments: an ex situ sediment incubation approach. Fundamental and Applied Limnology, 2008, 173, 79-88.	0.7	32
47	Persistent genetic signatures of colonization in <i>Brachionus manjavacas</i> rotifers in the Iberian Peninsula. Molecular Ecology, 2007, 16, 3228-3240.	3.9	70
48	Disentangling the morphological stasis in two rotifer species of the <i>Brachionus plicatilis</i> species complex. Hydrobiologia, 2007, 583, 297-307.	2.0	84
49	Hatching and viability of rotifer diapausing eggs collected from pond sediments. Freshwater Biology, 2006, 51, 1351-1358.	2.4	41
50	Patterns in rotifer diapausing egg banks: Density and viability. Journal of Experimental Marine Biology and Ecology, 2006, 336, 198-210.	1.5	68
51	A simple model relating habitat features to a diapause egg bank. Limnology and Oceanography, 2006, 51, 1542-1547.	3.1	16
52	Starvation tolerance of rotifers produced from parthenogenetic eggs and from diapausing eggs: a life table approach. Journal of Plankton Research, 2006, 28, 257-265.	1.8	15
53	Effects of duration of the planktonic phase on rotifer genetic diversity. Archiv für Hydrobiologie, 2006, 167, 203-216.	1.1	19
54	Deterioration patterns in diapausing egg banks of <i>Brachionus</i> (Müller, 1786) rotifer species. Journal of Experimental Marine Biology and Ecology, 2005, 314, 149-161.	1.5	53

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55	Evolutionary Dynamics of the Bdelloid and Monogonont Rotifer Life-history Patterns. <i>Hydrobiologia</i> , 2005, 546, 55-70.	2.0	4
56	Euryhaline <i>Brachionus</i> Strains (Rotifera) from Tropical Habitats: Morphology and Allozyme Patterns. <i>Hydrobiologia</i> , 2005, 546, 161-167.	2.0	18
57	Morphological Stasis of Two Species Belonging to the L-morphotype in the <i>Brachionus plicatilis</i> Species Complex. <i>Hydrobiologia</i> , 2005, 546, 181-187.	2.0	42
58	Evolutionary dynamics of the bdelloid and monogonont rotifer life-history patterns. , 2005, , 55-70.		0
59	Euryhaline <i>Brachionus</i> strains (Rotifera) from tropical habitats: morphology and allozyme patterns. , 2005, , 161-167.		6
60	Morphological stasis of two species belonging to the L-morphotype in the <i>Brachionus plicatilis</i> species complex. , 2005, , 181-187.		8
61	Predation as a factor mediating resource competition among rotifer sibling species. <i>Limnology and Oceanography</i> , 2004, 49, 40-50.	3.1	35
62	Delayed mixis in rotifers: an adaptive response to the effects of density-dependent sex on population growth. <i>Journal of Plankton Research</i> , 2004, 27, 37-45.	1.8	41
63	Selective feeding of <i>Arctodiaptomus salinus</i> (Copepoda, Calanoida) on co-occurring sibling rotifer species. <i>Freshwater Biology</i> , 2004, 49, 1053-1061.	2.4	33
64	Coexistence of cryptic rotifer species: ecological and genetic characterisation of <i>Brachionus plicatilis</i> . <i>Freshwater Biology</i> , 2003, 48, 2194-2202.	2.4	125
65	SPECIATION IN ANCIENT CRYPTIC SPECIES COMPLEXES: EVIDENCE FROM THE MOLECULAR PHYLOGENY OF <i>BRACHIONUS PLICATILIS</i> (ROTIFERA). <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 1431.	2.3	9
66	Resource competition and patterns of sexual reproduction in sympatric sibling rotifer species. <i>Oecologia</i> , 2002, 131, 35-42.	2.0	31
67	Predatory interactions between a cyclopoid copepod and three sibling rotifer species. <i>Freshwater Biology</i> , 2002, 47, 1685-1695.	2.4	47
68	Evidence for an even sex allocation in haplodiploid cyclical parthenogens. <i>Journal of Evolutionary Biology</i> , 2002, 15, 65-73.	1.7	24
69	SPECIATION IN ANCIENT CRYPTIC SPECIES COMPLEXES: EVIDENCE FROM THE MOLECULAR PHYLOGENY OF <i>BRACHIONUS PLICATILIS</i> (ROTIFERA). <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 1431-1444.	2.3	331
70	Resource competition between sympatric sibling rotifer species. <i>Limnology and Oceanography</i> , 2001, 46, 1511-1523.	3.1	81
71	Variability for mixis initiation in <i>Brachionus plicatilis</i> . <i>Hydrobiologia</i> , 2001, 446/447, 45-50.	2.0	24
72	Density-dependent regulation of natural and laboratory rotifer populations. <i>Hydrobiologia</i> , 2001, 446/447, 39-44.	2.0	10

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73	On the taxonomy of three sympatric sibling species of the <i>Brachionus plicatilis</i> (Rotifera) complex from Spain, with the description of <i>B. ibericus</i> n. sp.. <i>Journal of Plankton Research</i> , 2001, 23, 1311-1328.	1.8	150
74	Density-dependent regulation of natural and laboratory rotifer populations. , 2001, , 39-44.		2
75	Using probability of extinction to evaluate the ecological significance of toxicant effects. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 2357-2363.	4.3	40
76	A mathematical model for the phase of sexual reproduction in monogonont rotifers. <i>Journal of Mathematical Biology</i> , 2000, 40, 451-471.	1.9	7
77	Small, beautiful and sexy: what rotifers tell us about ecology and evolution. <i>Trends in Ecology and Evolution</i> , 2000, 15, 220-221.	8.7	3
78	Patterns of genetic differentiation in resting egg banks of a rotifer species complex in Spain. <i>Fundamental and Applied Limnology</i> , 2000, 149, 529-551.	0.7	79
79	Title is missing!. <i>Hydrobiologia</i> , 1998, 387/387, 361-372.	2.0	32
80	Ecological genetics of <i>Brachionus</i> sympatric sibling species. <i>Hydrobiologia</i> , 1998, 387/387, 373-384.	2.0	59
81	Dynamics of natural rotifer populations. <i>Hydrobiologia</i> , 1998, 368, 29-35.	2.0	26
82	Why are male rotifers dwarf?. <i>Trends in Ecology and Evolution</i> , 1998, 13, 360-361.	8.7	12
83	Sex Allocation in Haplodiploid Cyclical Parthenogens with Density-Dependent Proportion of Males. <i>American Naturalist</i> , 1998, 152, 652-657.	2.1	49
84	Review paper: Seasonal variation as a determinant of population structure in rotifers reproducing by cyclical parthenogenesis. , 1998, , 361-372.		0
85	Review paper: Ecological genetics of <i>Brachionus</i> sympatric sibling species. , 1998, , 373-384.		0
86	Speciation in monogonont rotifers. <i>Hydrobiologia</i> , 1997, 358, 63-70.	2.0	28
87	Ecological factors affecting gene flow in the <i>Brachionus plicatilis</i> complex (Rotifera). <i>Oecologia</i> , 1997, 111, 350-356.	2.0	67
88	Speciation in monogonont rotifers. , 1997, , 63-70.		5
89	Polymorphism in bisexual reproductive patterns of cyclical parthenogens. A simulation approach using a rotifer growth model. <i>Ecological Modelling</i> , 1996, 88, 133-142.	2.5	15
90	Mate Choice in Male <i>Brachionus plicatilis</i> Rotifers. <i>Functional Ecology</i> , 1996, 10, 681.	3.6	43

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91	Ecological genetics of a cyclical parthenogen in temporary habitats. <i>Journal of Evolutionary Biology</i> , 1995, 8, 601-622.	1.7	115
92	Behavioral reproductive isolation among sympatric strains of <i>Brachionus plicatilis</i> Muller 1786: insights into the status of this taxonomic species. <i>Hydrobiologia</i> , 1995, 313-314, 111-119.	2.0	65
93	Mictic patterns of the rotifer <i>Brachionus plicatilis</i> Muller in small ponds. <i>Hydrobiologia</i> , 1995, 313-314, 365-371.	2.0	60
94	Mictic patterns of the rotifer <i>Brachionus plicatilis</i> Muller in small ponds. , 1995, , 365-371.		21
95	Behavioral reproductive isolation among sympatric strains of <i>Brachionus plicatilis</i> Muller 1786: insights into the status of this taxonomic species. , 1995, , 111-119.		15
96	Survival analysis of three clones of <i>Brachionus plicatilis</i> (Rotifera). <i>Hydrobiologia</i> , 1994, 277, 97-105.	2.0	11
97	Effect of population density and genotype on life-history traits in the rotifer <i>Brachionus plicatilis</i> O.F. Muller. <i>Journal of Experimental Marine Biology and Ecology</i> , 1994, 182, 223-235.	1.5	38
98	Mixis strategies and resting eeg production of rotifers living in temporally-varying habitats. <i>Hydrobiologia</i> , 1993, 255-256, 117-126.	2.0	33
99	Relationships between mixis in <i>Brachionus plicatilis</i> and preconditioning of culture medium by crowding. <i>Hydrobiologia</i> , 1993, 255-256, 145-152.	2.0	60
100	Mixis strategies and resting eeg production of rotifers living in temporally-varying habitats. , 1993, , 117-126.		8
101	Relationships between mixis in <i>Brachionus plicatilis</i> and preconditioning of culture medium by crowding. , 1993, , 145-152.		20
102	Relationships between oxygen concentration and patterns of energy metabolism in the rotifer <i>Brachionus plicatilis</i> . <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1992, 103, 357-362.	0.2	6
103	Total protein analysis in rotifer populations. <i>Biochemical Systematics and Ecology</i> , 1989, 17, 409-415.	1.3	17
104	Salinity and temperature influence in rotifer life history characteristics. <i>Hydrobiologia</i> , 1989, 186-187, 81-102.	2.0	66
105	Protein patterns in rotifers: the timing of aging. <i>Hydrobiologia</i> , 1989, 186-187, 325-330.	2.0	12
106	<i>Brachionus plicatilis</i> tolerance to low oxygen concentrations. <i>Hydrobiologia</i> , 1989, 186-187, 331-337.	2.0	18
107	Size variation in <i>Brachionus plicatilis</i> resting eggs. <i>Hydrobiologia</i> , 1989, 186-187, 381-386.	2.0	7
108	Salinity and temperature influence in rotifer life history characteristics. , 1989, , 81-102.		29

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109	Size variation in <i>Brachionus plicatilis</i> resting eggs. , 1989, , 381-386.		2
110	Distribution of <i>Brachionus</i> species in Spanish mediterranean wetlands. <i>Hydrobiologia</i> , 1987, 147, 75-81.	2.0	15
111	Biometric variation in three strains of <i>Brachionus plicatilis</i> as a direct response to abiotic variables. <i>Hydrobiologia</i> , 1987, 147, 83-89.	2.0	22
112	Enzyme polymorphism in <i>Brachionus plicatilis</i> populations from several Spanish lagoons. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 1985, 22, 2991-2996.	0.1	0
113	Biometric analysis of <i>Brachionus plicatilis</i> ecotypes from Spanish lagoons. <i>Hydrobiologia</i> , 1983, 104, 279-291.	2.0	31
114	Insight into incipient reproductive isolation in diverging populations of <i>Brachionus plicatilis</i> rotifer. <i>Hydrobiologia</i> , 0, , .	2.0	3