

Manuel Serra

List of Publications by Year in descending order

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114
papers

3,658
citations

126907

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161849

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118
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118
docs citations

118
times ranked

1458
citing authors

#	ARTICLE	IF	CITATIONS
1	SPECIATION IN ANCIENT CRYPTIC SPECIES COMPLEXES: EVIDENCE FROM THE MOLECULAR PHYLOGENY OF BRACHIONUS PLICATILIS (ROTIFERA). <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 1431-1444.	2.3	331
2	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
3	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
4	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
5	Ecological genetics of a cyclical parthenogen in temporary habitats. <i>Journal of Evolutionary Biology</i> , 1995, 8, 601-622.	1.7	115
6	Disentangling the morphological stasis in two rotifer species of the <i>Brachionus plicatilis</i> species complex. <i>Hydrobiologia</i> , 2007, 583, 297-307.	2.0	84
7	Resource competition between sympatric sibling rotifer species. <i>Limnology and Oceanography</i> , 2001, 46, 1511-1523.	3.1	81
8	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
9	Persistent genetic signatures of colonization in <i>Brachionus manjavacas</i> rotifers in the Iberian Peninsula. <i>Molecular Ecology</i> , 2007, 16, 3228-3240.	3.9	70
10	Patterns in rotifer diapausing egg banks: Density and viability. <i>Journal of Experimental Marine Biology and Ecology</i> , 2006, 336, 198-210.	1.5	68
11	Ecological factors affecting gene flow in the <i>Brachionus plicatilis</i> complex (Rotifera). <i>Oecologia</i> , 1997, 111, 350-356.	2.0	67
12	Salinity and temperature influence in rotifer life history characteristics. <i>Hydrobiologia</i> , 1989, 186-187, 81-102.	2.0	66
13	Behavioral reproductive isolation among sympatric strains of <i>Brachionus plicatilis</i> Müller 1786: insights into the status of this taxonomic species. <i>Hydrobiologia</i> , 1995, 313-314, 111-119.	2.0	65
14	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
15	Mictic patterns of the rotifer <i>Brachionus plicatilis</i> Müller in small ponds. <i>Hydrobiologia</i> , 1995, 313-314, 365-371.	2.0	60
16	Local adaptation in rotifer populations. <i>Evolutionary Ecology</i> , 2011, 25, 933-947.	1.2	60
17	Ecological genetics of <i>Brachionus</i> sympatric sibling species. <i>Hydrobiologia</i> , 1998, 387/387, 373-384.	2.0	59
18	Long-Term Coexistence of Rotifer Cryptic Species. <i>PLoS ONE</i> , 2011, 6, e21530.	2.5	59

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19	Selection of low investment in sex in a cyclically parthenogenetic rotifer. <i>Journal of Evolutionary Biology</i> , 2009, 22, 1975-1983.	1.7	55
20	Deterioration patterns in diapausing egg banks of <i>Brachionus</i> (Müller, 1786) rotifer species. <i>Journal of Experimental Marine Biology and Ecology</i> , 2005, 314, 149-161.	1.5	53
21	Sex Allocation in Haplodiploid Cyclical Parthenogens with Density-Dependent Proportion of Males. <i>American Naturalist</i> , 1998, 152, 652-657.	2.1	49
22	Predatory interactions between a cyclopoid copepod and three sibling rotifer species. <i>Freshwater Biology</i> , 2002, 47, 1685-1695.	2.4	47
23	Selection on life-history traits and genetic population divergence in rotifers. <i>Journal of Evolutionary Biology</i> , 2009, 22, 2542-2553.	1.7	45
24	Adaptation in response to environmental unpredictability. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170427.	2.6	44
25	Mate Choice in Male <i>Brachionus plicatilis</i> Rotifers. <i>Functional Ecology</i> , 1996, 10, 681.	3.6	43
26	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
27	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
28	Hatching and viability of rotifer diapausing eggs collected from pond sediments. <i>Freshwater Biology</i> , 2006, 51, 1351-1358.	2.4	41
29	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
30	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
31	Facing Adversity: Dormant Embryos in Rotifers. <i>Biological Bulletin</i> , 2019, 237, 119-144.	1.8	39
32	Effect of population density and genotype on life-history traits in the rotifer <i>Brachionus plicatilis</i> O.F. Müller. <i>Journal of Experimental Marine Biology and Ecology</i> , 1994, 182, 223-235.	1.5	38
33	Sex Loss in Monogonont Rotifers. , 2009, , 281-294.		37
34	Life-Cycle Switching and Coexistence of Species with No Niche Differentiation. <i>PLoS ONE</i> , 2011, 6, e20314.	2.5	37
35	Predation as a factor mediating resource competition among rotifer sibling species. <i>Limnology and Oceanography</i> , 2004, 49, 40-50.	3.1	35
36	Bet-hedging in diapausing egg hatching of temporary rotifer populations – A review of models and new insights. <i>International Review of Hydrobiology</i> , 2014, 99, 96-106.	0.9	34

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37	Mixis strategies and resting eeg production of rotifers living in temporally-varying habitats. <i>Hydrobiologia</i> , 1993, 255-256, 117-126.	2.0	33
38	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
39	Title is missing!. <i>Hydrobiologia</i> , 1998, 387/387, 361-372.	2.0	32
40	Assessing rotifer diapausing egg bank diversity and abundance in brackish temporary environments: an ex situ sediment incubation approach. <i>Fundamental and Applied Limnology</i> , 2008, 173, 79-88.	0.7	32
41	Morphological Similarity and Ecological Overlap in Two Rotifer Species. <i>PLoS ONE</i> , 2013, 8, e57087.	2.5	32
42	Biometric analysis of <i>Brachionus plicatilis</i> ecotypes from Spanish lagoons. <i>Hydrobiologia</i> , 1983, 104, 279-291.	2.0	31
43	Resource competition and patterns of sexual reproduction in sympatric sibling rotifer species. <i>Oecologia</i> , 2002, 131, 35-42.	2.0	31
44	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
45	Salinity and temperature influence in rotifer life history characteristics. , 1989, , 81-102.		29
46	Speciation in monogonont rotifers. <i>Hydrobiologia</i> , 1997, 358, 63-70.	2.0	28
47	Empirical evidence for fast temperature-dependent body size evolution in rotifers. <i>Hydrobiologia</i> , 2017, 796, 191-200.	2.0	28
48	Dynamics of natural rotifer populations. <i>Hydrobiologia</i> , 1998, 368, 29-35.	2.0	26
49	Does Haplodiploidy Purge Inbreeding Depression in Rotifer Populations?. <i>PLoS ONE</i> , 2009, 4, e8195.	2.5	25
50	Variability for mixis initiation in <i>Brachionus plicatilis</i> . <i>Hydrobiologia</i> , 2001, 446/447, 45-50.	2.0	24
51	Evidence for an even sex allocation in haplodiploid cyclical parthenogens. <i>Journal of Evolutionary Biology</i> , 2002, 15, 65-73.	1.7	24
52	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
53	Modes, mechanisms and evidence of bet hedging in rotifer diapause traits. <i>Hydrobiologia</i> , 2017, 796, 223-233.	2.0	22
54	Genomic signatures of local adaptation to the degree of environmental predictability in rotifers. <i>Scientific Reports</i> , 2018, 8, 16051.	3.3	22

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55	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
56	Diapause as escape strategy to exposure to toxicants: response of <i>Brachionus calyciflorus</i> to arsenic. <i>Ecotoxicology</i> , 2016, 25, 708-719.	2.4	21
57	Mictic patterns of the rotifer <i>Brachionus plicatilis</i> MÅ¼ller in small ponds. , 1995, , 365-371.		21
58	When to be sexual: sex allocation theory and population density-dependent induction of sex in cyclical parthenogens. <i>Journal of Plankton Research</i> , 2008, 30, 1207-1214.	1.8	20
59	Relationships between mixis in <i>Brachionus plicatilis</i> and preconditioning of culture medium by crowding. , 1993, , 145-152.		20
60	Effects of duration of the planktonic phase on rotifer genetic diversity. <i>Archiv FÅ¼r Hydrobiologie</i> , 2006, 167, 203-216.	1.1	19
61	<i>Brachionus plicatilis</i> tolerance to low oxygen concentrations. <i>Hydrobiologia</i> , 1989, 186-187, 331-337.	2.0	18
62	Euryhaline <i>Brachionus</i> Strains (Rotifera) from Tropical Habitats: Morphology and Allozyme Patterns. <i>Hydrobiologia</i> , 2005, 546, 161-167.	2.0	18
63	Total protein analysis in rotifer populations. <i>Biochemical Systematics and Ecology</i> , 1989, 17, 409-415.	1.3	17
64	Quantifying unpredictability: A multiple-model approach based on satellite imagery data from Mediterranean ponds. <i>PLoS ONE</i> , 2017, 12, e0187958.	2.5	17
65	Widespread Secondary Contact and New Glacial Refugia in the Halophilic Rotifer <i>Brachionus plicatilis</i> in the Iberian Peninsula. <i>PLoS ONE</i> , 2011, 6, e20986.	2.5	17
66	A simple model relating habitat features to a diapause egg bank. <i>Limnology and Oceanography</i> , 2006, 51, 1542-1547.	3.1	16
67	Distribution of <i>Brachionus</i> species in Spanish mediterranean wetlands. <i>Hydrobiologia</i> , 1987, 147, 75-81.	2.0	15
68	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
69	Starvation tolerance of rotifers produced from parthenogenetic eggs and from diapausing eggs: a life table approach. <i>Journal of Plankton Research</i> , 2006, 28, 257-265.	1.8	15
70	Diapausing egg banks, lake size, and genetic diversity in the rotifer <i>Brachionus plicatilis</i> MÅ¼ller (Rotifera, Monogononta). <i>Hydrobiologia</i> , 2017, 796, 77-91.	2.0	15
71	Founder effects drive the genetic structure of passively dispersed aquatic invertebrates. <i>PeerJ</i> , 2018, 6, e6094.	2.0	15
72	Behavioral reproductive isolation among sympatric strains of <i>Brachionus plicatilis</i> MÅ¼ller 1786: insights into the status of this taxonomic species. , 1995, , 111-119.		15

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73	Effects of population outcrossing on rotifer fitness. <i>BMC Evolutionary Biology</i> , 2010, 10, 312.	3.2	14
74	Long-Term Competitive Dynamics of Two Cryptic Rotifer Species: Diapause and Fluctuating Conditions. <i>PLoS ONE</i> , 2015, 10, e0124406.	2.5	14
75	Cyclically parthenogenetic rotifers and the theories of population and evolutionary ecology. , 2019, 38, 67-93.		14
76	Crossed induction of sex in sympatric congeneric rotifer populations. <i>Limnology and Oceanography</i> , 2009, 54, 1845-1854.	3.1	13
77	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
78	Protein patterns in rotifers: the timing of aging. <i>Hydrobiologia</i> , 1989, 186-187, 325-330.	2.0	12
79	Why are male rotifers dwarf?. <i>Trends in Ecology and Evolution</i> , 1998, 13, 360-361.	8.7	12
80	Analysing threshold effects in the sexual dynamics of cyclically parthenogenetic rotifer populations. <i>Hydrobiologia</i> , 2011, 662, 121-130.	2.0	12
81	Measuring the potential for growth in populations investing in diapause. <i>Ecological Modelling</i> , 2014, 272, 76-83.	2.5	12
82	Survival analysis of three clones of <i>Brachionus plicatilis</i> (Rotifera). <i>Hydrobiologia</i> , 1994, 277, 97-105.	2.0	11
83	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
84	Density-dependent regulation of natural and laboratory rotifer populations. <i>Hydrobiologia</i> , 2001, 446/447, 39-44.	2.0	10
85	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
86	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
87	Rotifer adaptation to the unpredictability of the growing season. <i>Hydrobiologia</i> , 2019, 844, 257-273.	2.0	8
88	Mixis strategies and resting eeg production of rotifers living in temporally-varying habitats. , 1993, , 117-126.		8
89	Morphological stasis of two species belonging to the L-morphotype in the <i>Brachionus plicatilis</i> species complex. , 2005, , 181-187.		8
90	Size variation in <i>Brachionus plicatilis</i> resting eggs. <i>Hydrobiologia</i> , 1989, 186-187, 381-386.	2.0	7

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91	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
92	Speciation in the <i>Brachionus plicatilis</i> Species Complex. <i>Fisheries Science Series</i> , 2017, , 15-32.	0.5	7
93	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
94	Reproduction, Overview by Phylogeny: Rotifera. , 2018, , 513-521.		7
95	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
96	Does genetic diversity reduce intraspecific competition in rotifer populations?. <i>Hydrobiologia</i> , 2013, 705, 43-54.	2.0	6
97	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
98	Perception costs of reproduction can magnify sexual selection. <i>Nature Ecology and Evolution</i> , 2017, 1, 1414-1415.	7.8	6
99	Euryhaline <i>Brachionus</i> strains (Rotifera) from tropical habitats: morphology and allozyme patterns. , 2005, , 161-167.		6
100	Speciation in monogonont rotifers. , 1997, , 63-70.		5
101	Evolutionary Dynamics of the Bdelloid and Monogonont Rotifer Life-history Patterns. <i>Hydrobiologia</i> , 2005, 546, 55-70.	2.0	4
102	Genetic Variability of the Mating Recognition Gene in Populations of <i>Brachionus plicatilis</i> . <i>Diversity</i> , 2022, 14, 155.	1.7	4
103	Male Adaptive Plasticity Can Explain the Evolution of Sexual Perception Costs. <i>American Naturalist</i> , 2022, 200, E110-E123.	2.1	4
104	Body size variability across habitats in the <i>Brachionus plicatilis</i> cryptic species complex. <i>Scientific Reports</i> , 2022, 12, 6912.	3.3	4
105	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
106	Zooplankton competition promotes trade-offs affecting diapause in rotifers. <i>Oecologia</i> , 2015, 177, 273-279.	2.0	3
107	Insight into incipient reproductive isolation in diverging populations of <i>Brachionus plicatilis</i> rotifer. <i>Hydrobiologia</i> , 0, , .	2.0	3
108	Evidencing the cost of sexual reproduction in the rotifer <i>Brachionus plicatilis</i> . <i>Hydrobiologia</i> , 2019, 844, 243-255.	2.0	2

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109	Density-dependent regulation of natural and laboratory rotifer populations. , 2001, , 39-44.		2
110	Size variation in <i>Brachionus plicatilis</i> resting eggs. , 1989, , 381-386.		2
111	Enzyme polymorphism in <i>Brachionus plicatilis</i> populations from several Spanish lagoons. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 1985, 22, 2991-2996.	0.1	0
112	Evolutionary dynamics of <i>the</i> bdelloid and monogonont rotifer life-history patterns. , 2005, , 55-70.		0
113	Review paper: Seasonal variation as a determinant of population structure in rotifers reproducing by cyclical parthenogenesis. , 1998, , 361-372.		0
114	Review paper: Ecological genetics of <i>Brachionus</i> sympatric sibling species. , 1998, , 373-384.		0