

Terry W Snell

List of Publications by Year in descending order

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121
papers

5,647
citations

57758

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95266

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123
all docs

123
docs citations

123
times ranked

2542
citing authors

#	ARTICLE	IF	CITATIONS
1	Rotifers in ecotoxicology: a review. <i>Hydrobiologia</i> , 1995, 313-314, 231-247.	2.0	271
2	LIFESPAN AND FECUNDITY PATTERNS IN ROTIFERS: THE COST OF REPRODUCTION. <i>Evolution; International Journal of Organic Evolution</i> , 1977, 31, 882-890.	2.3	193
3	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
4	Resting eggs in rotifers. <i>Hydrobiologia</i> , 1983, 104, 213-224.	2.0	171
5	A protein signal triggers sexual reproduction in <i>Brachionus plicatilis</i> (Rotifera). <i>Marine Biology</i> , 2006, 149, 763-773.	1.5	145
6	Acute toxicity tests using rotifers. <i>Ecotoxicology and Environmental Safety</i> , 1991, 21, 308-317.	6.0	129
7	A Life cycle test with the rotifer <i>Brachionus calyciflorus</i> . <i>Environmental Toxicology and Chemistry</i> , 1992, 11, 1249-1257.	4.3	125
8	Acute toxicity bioassays using rotifers. I. A test for brackish and marine environments with <i>Brachionus plicatilis</i> . <i>Aquatic Toxicology</i> , 1989, 14, 65-80.	4.0	124
9	Gene Expression Profiling in Ecotoxicology. <i>Ecotoxicology</i> , 2003, 12, 475-483.	2.4	121
10	Body size variation among strains of the rotifer <i>Brachionus plicatilis</i> . <i>Aquaculture</i> , 1984, 37, 359-367.	3.5	110
11	Development of a coral cDNA array to examine gene expression profiles in <i>Montastraea faveolata</i> exposed to environmental stress. <i>Marine Pollution Bulletin</i> , 2005, 51, 507-523.	5.0	108
12	Acute toxicity bioassays using rotifers. II. A freshwater test with <i>Brachionus rubens</i> . <i>Aquatic Toxicology</i> , 1989, 14, 81-91.	4.0	106
13	Thresholds for mictic female production in the rotifer <i>Brachionus plicatilis</i> (Muller). <i>Journal of Experimental Marine Biology and Ecology</i> , 1988, 124, 73-85.	1.5	102
14	ESTROGENIC COMPOUNDS AFFECT DEVELOPMENT OF HARPACTICOID COPEPOD <i>TIGRIOPUS JAPONICUS</i> . <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 3025.	4.3	93
15	Lifespan and Fecundity Patterns in Rotifers: The Cost of Reproduction. <i>Evolution; International Journal of Organic Evolution</i> , 1977, 31, 882.	2.3	83
16	Title is missing!. <i>Hydrobiologia</i> , 1997, 358, 113-120.	2.0	80
17	Use of freshwater rotifer <i>Brachionus calyciflorus</i> in screening assay for potential endocrine disruptors. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 2923-2928.	4.3	79
18	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

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19	Full life-cycle toxicity assessment using rotifer resting egg production: implications for ecological risk assessment. <i>Environmental Pollution</i> , 2001, 114, 399-406.	7.5	77
20	BEHAVIORAL REPRODUCTIVE ISOLATION AMONG POPULATIONS OF THE ROTIFER BRACHIONUS PLICATILIS. Evolution; <i>International Journal of Organic Evolution</i> , 1983, 37, 1294-1305.	2.3	76
21	Effect of Some Pesticides on Reproduction of Rotifer <i>Brachionus plicatilis</i> MÅ¼ller. <i>Hydrobiologia</i> , 2005, 546, 569-575.	2.0	75
22	Encounter probabilities between male and female rotifers. <i>Journal of Experimental Marine Biology and Ecology</i> , 1986, 97, 221-230.	1.5	74
23	Assessing toxicity of nanoparticles using <i>Brachionus manjavacas</i> (Rotifera). <i>Environmental Toxicology</i> , 2011, 26, 146-152.	4.0	72
24	Assessing the Status of Rotifer Mass Cultures. <i>Journal of the World Aquaculture Society</i> , 1987, 18, 270-277.	2.4	67
25	Comparative toxicant sensitivity of sexual and asexual reproduction in the rotifer <i>Brachionus calyciflorus</i> . <i>Environmental Toxicology and Chemistry</i> , 1995, 14, 415-420.	4.3	66
26	Fecundity, developmental time, and population growth rate. <i>Oecologia</i> , 1978, 32, 119-125.	2.0	63
27	Cyst-based toxicity tests. VIII. Short-chronic toxicity tests with the freshwater rotifer <i>Brachionus calyciflorus</i> . <i>Aquatic Toxicology</i> , 1994, 28, 243-258.	4.0	63
28	Workshop on rotifers in ecotoxicology. <i>Hydrobiologia</i> , 2007, 593, 227-232.	2.0	63
29	The role of chemical signals in copepod reproduction. <i>Journal of Marine Systems</i> , 1998, 15, 1-12.	2.1	62
30	Chemical ecology of rotifers. <i>Hydrobiologia</i> , 1998, 387/387, 267-276.	2.0	59
31	A 2-d LIFE CYCLE TEST WITH THE ROTIFER BRACHIONUS CALYCIFLORUS. <i>Environmental Toxicology and Chemistry</i> , 1992, 11, 1249.	4.3	59
32	Rotifera. , 2010, , 173-235.		58
33	Specificity of the crowding response in the <i>Brachionus plicatilis</i> species complex. <i>Limnology and Oceanography</i> , 2006, 51, 125-130.	3.1	55
34	Aging and Loss of Fertility in Male and Female <i>Brachionus plicatilis</i> (Rotifera). <i>International Journal of Invertebrate Reproduction and Development</i> , 1987, 12, 103-110.	0.7	54
35	Acute toxicity tests using rotifers. III. Effects of temperature, strain, and exposure time on the sensitivity of <i>Brachionus plicatilis</i> . <i>Environmental Toxicology and Water Quality</i> , 1991, 6, 63-75.	0.5	54
36	Conservation of progesterone hormone function in invertebrate reproduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11859-11864.	7.1	53

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37	Sex, population dynamics and resting egg production in rotifers. <i>Hydrobiologia</i> , 1987, 144, 105-111.	2.0	52
38	Fertilization and male fertility in the rotifer <i>Brachionus plicatilis</i> . <i>Hydrobiologia</i> , 1987, 147, 329-334.	2.0	52
39	Profiling differential gene expression of corals along a transect of waters adjacent to the Bermuda municipal dump. <i>Marine Pollution Bulletin</i> , 2005, 51, 524-533.	5.0	52
40	Rotifers as models for the biology of aging. <i>International Review of Hydrobiology</i> , 2014, 99, 84-95.	0.9	52
41	Antioxidants can extend lifespan of <i>Brachionus manjavacas</i> (Rotifera), but only in a few combinations. <i>Biogerontology</i> , 2012, 13, 261-275.	3.9	50
42	Sexual communication in copepods and rotifers. <i>Hydrobiologia</i> , 1993, 255-256, 109-116.	2.0	48
43	Phylum Rotifera. , 2015, , 225-271.		48
44	Hydrocarbon-Degrading Bacteria Exhibit a Species-Specific Response to Dispersed Oil while Moderating Ecotoxicity. <i>Applied and Environmental Microbiology</i> , 2016, 82, 518-527.	3.1	48
45	Behavioral Reproductive Isolation Among Populations of the Rotifer <i>brachionus plicatilis</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1983, 37, 1294.	2.3	47
46	Effect of growth hormone and $\hat{3}$ -aminobutyric acid on <i>Brachionus plicatilis</i> (Rotifera) reproduction at low food or high ammonia levels. <i>Journal of Experimental Marine Biology and Ecology</i> , 1999, 240, 179-191.	1.5	47
47	Chemical defense of the red tide dinoflagellate <i>Karenia brevis</i> against rotifer grazing. <i>Limnology and Oceanography</i> , 2007, 52, 1026-1035.	3.1	46
48	Chemical communication during mating of the harpacticoid <i>Tigriopus japonicus</i> . <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1998, 353, 737-744.	4.0	44
49	Three heat shock proteins are essential for rotifer thermotolerance. <i>Journal of Experimental Marine Biology and Ecology</i> , 2012, 413, 1-6.	1.5	43
50	USE OF FRESHWATER ROTIFER <i>BRACHIONUS CALYCIFLORUS</i> IN SCREENING ASSAY FOR POTENTIAL ENDOCRINE DISRUPTORS. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 2923.	4.3	43
51	Rapid toxicity assessment using esterase biomarkers in <i>Brachionus calyciflorus</i> (rotifera). <i>Environmental Toxicology and Water Quality</i> , 1994, 9, 171-178.	0.5	42
52	Sexual recombination in rotifers. <i>Heredity</i> , 1977, 39, 357-360.	2.6	41
53	Systematics, reproductive isolation and species boundaries in monogonont rotifers. <i>Hydrobiologia</i> , 1989, 186-187, 299-310.	2.0	41
54	A critical body size for use of pheromones in mate location. <i>Journal of Chemical Ecology</i> , 1995, 21, 427-438.	1.8	41

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55	Assessing coral stress responses using molecular biomarkers of gene transcription. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 537-543.	4.3	41
56	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
57	COMPARATIVE TOXICANT SENSITIVITY OF SEXUAL AND ASEQUAL REPRODUCTION IN THE ROTIFER BRACHIONUS CALYCIFLORUS. <i>Environmental Toxicology and Chemistry</i> , 1995, 14, 415.	4.3	40
58	Joint inhibition of TOR and JNK pathways interacts to extend the lifespan of <i>Brachionus manjavacas</i> (Rotifera). <i>Experimental Gerontology</i> , 2014, 52, 55-69.	2.8	39
59	Density-dependent sexual reproduction in natural populations of the rotifer <i>asplanchna girodi</i> . <i>Hydrobiologia</i> , 1980, 73, 149-152.	2.0	38
60	Effect of juvenile hormone and serotonin (5-HT) on mixis induction of the rotifer <i>Brachionus plicatilis</i> Muller. <i>Journal of Experimental Marine Biology and Ecology</i> , 2000, 252, 97-107.	1.5	37
61	Direct and indirect effects of sublethal toxicant exposure on population dynamics of freshwater rotifers: a modeling approach. <i>Aquatic Toxicology</i> , 2001, 52, 87-99.	4.0	37
62	Sex Loss in Monogonont Rotifers. , 2009, , 281-294.		37
63	A review of the molecular mechanisms of monogonont rotifer reproduction. <i>Hydrobiologia</i> , 2011, 662, 89-97.	2.0	36
64	Effect of progesterone on sexual reproduction of <i>Brachionus manjavacas</i> (Rotifera). <i>Journal of Experimental Marine Biology and Ecology</i> , 2008, 363, 104-109.	1.5	35
65	Rotifers as experimental tools for investigating aging. <i>Invertebrate Reproduction and Development</i> , 2015, 59, 5-10.	0.8	35
66	Male discrimination of female <i>Brachionus plicatilis</i> Müller and <i>Brachionus rotundiformis</i> Tschugunoff (Rotifera). <i>Journal of Experimental Marine Biology and Ecology</i> , 1995, 190, 39-49.	1.5	33
67	UV-B exposure increases acute toxicity of pentachlorophenol and mercury to the rotifer <i>Brachionus calyciflorus</i> . <i>Environmental Pollution</i> , 1999, 106, 23-31.	7.5	33
68	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
69	Exposure to dsRNA Elicits RNA Interference in <i>Brachionus manjavacas</i> (Rotifera). <i>Marine Biotechnology</i> , 2011, 13, 264-274.	2.4	31
70	Repurposing FDA-approved drugs for anti-aging therapies. <i>Biogerontology</i> , 2016, 17, 907-920.	3.9	31
71	Characterizing stress gene expression in reef-building corals exposed to the mosquitoside dibrom. <i>Marine Pollution Bulletin</i> , 2002, 44, 1206-1218.	5.0	30
72	Sex pheromone communication in <i>brachionus plicatilis</i> (rotifera). <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1990, 97, 211-216.	0.6	28

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73	Dynamics of natural rotifer populations. <i>Hydrobiologia</i> , 1998, 368, 29-35.	2.0	26
74	Genetic determinants of mate recognition in <i>Brachionus manjavacas</i> (Rotifera). <i>BMC Biology</i> , 2009, 7, 60.	3.8	26
75	Conservation of estrogen receptor function in invertebrate reproduction. <i>BMC Evolutionary Biology</i> , 2017, 17, 65.	3.2	26
76	Removal of Surface Glycoproteins and Transfer among <i>Brachionus</i> species. <i>Hydrobiologia</i> , 2005, 546, 267-274.	2.0	25
77	Ecological strategy of rotifer (<i>Brachionus calyciflorus</i>) exposed to predator- and competitor-conditioned media. <i>Hydrobiologia</i> , 2011, 658, 163-171.	2.0	25
78	Mating behavior in eight rotifer species: using cross-mating tests to study species boundaries. <i>Hydrobiologia</i> , 1997, 356, 165-173.	2.0	24
79	Probability distributions of toxicant sensitivity for freshwater rotifer species. <i>Environmental Toxicology</i> , 1999, 14, 361-366.	4.0	24
80	The effects of sublethal pentachlorophenol exposure on predation risk in freshwater rotifer species. <i>Aquatic Toxicology</i> , 1999, 47, 93-105.	4.0	24
81	Title is missing!. <i>Hydrobiologia</i> , 2001, 446/447, 363-368.	2.0	24
82	Lifespan extension of rotifers by treatment with red algal extracts. <i>Experimental Gerontology</i> , 2013, 48, 1420-1427.	2.8	24
83	Toxicant exposure increases threshold food levels in freshwater rotifer populations. <i>Environmental Toxicology</i> , 1999, 14, 523-530.	4.0	23
84	Temporal analysis of gene expression in a field population of the Scleractinian coral <i>Montastraea faveolata</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2008, 355, 114-124.	1.5	21
85	Differential evolution of lifespan and fecundity between asexual and sexual females in a benign environment. <i>International Review of Hydrobiology</i> , 2014, 99, 117-124.	0.9	21
86	Glycerol extends lifespan of <i>Brachionus manjavacas</i> (Rotifera) and protects against stressors. <i>Experimental Gerontology</i> , 2014, 57, 47-56.	2.8	21
87	Moderately lower temperatures greatly extend the lifespan of <i>Brachionus manjavacas</i> (Rotifera): Thermodynamics or gene regulation?. <i>Experimental Gerontology</i> , 2016, 78, 12-22.	2.8	21
88	Genetic variation among marine <i>Brachionus</i> strains and function of mate recognition pheromone (MRP). <i>Hydrobiologia</i> , 1997, 358, 105-112.	2.0	19
89	Mate choice and sexual conflict in <i>Brachionus plicatilis</i> (Rotifera). <i>Hydrobiologia</i> , 2007, 593, 151-157.	2.0	19
90	Euryhaline <i>Brachionus</i> Strains (Rotifera) from Tropical Habitats: Morphology and Allozyme Patterns. <i>Hydrobiologia</i> , 2005, 546, 161-167.	2.0	18

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91	Analysis of proteins in conditioned medium that trigger monogonont rotifer mictic reproduction. <i>Hydrobiologia</i> , 2017, 796, 245-253.	2.0	18
92	Genetic basis of amphoteric reproduction in rotifers. <i>Heredity</i> , 1977, 39, 361-364.	2.6	17
93	Localization of the mate-recognition pheromone in <i>Brachionus plicatilis</i> O.F. MÅ¼ller (Rotifera) by fluorescent labeling with lectins. <i>Journal of Experimental Marine Biology and Ecology</i> , 1993, 165, 225-235.	1.5	17
94	Modeling the dynamics of natural rotifer populations: Phase-parametric analysis. <i>Ecological Complexity</i> , 2005, 2, 395-409.	2.9	16
95	Repurposed FDA-approved drugs targeting genes influencing aging can extend lifespan and healthspan in rotifers. <i>Biogerontology</i> , 2018, 19, 145-157.	3.9	16
96	Quorum Sensing in Rotifers. , 0, , 453-461.		16
97	Effects of Fenitrothion on Life History Parameters of the Rotifer <i>Brachionus calyciflorus</i> . <i>Journal of Freshwater Ecology</i> , 2010, 25, 589-598.	1.2	15
98	Using <i>Proales similis</i> (Rotifera) for toxicity assessment in marine waters. <i>Environmental Toxicology</i> , 2019, 34, 634-644.	4.0	15
99	Polymerase chain reaction as a tool for developing stress protein probes. <i>Environmental Toxicology and Chemistry</i> , 1994, 13, 1221-1229.	4.3	14
100	Effects of Progesterone, Testosterone, and Estrogen on Sexual Reproduction of the Rotifer <i>Brachionus calyciflorus</i> . <i>International Review of Hydrobiology</i> , 2010, 95, 441-449.	0.9	14
101	Studies of the effect of environmental factors on the rotifer predator-prey system in freshwater. <i>Hydrobiologia</i> , 2010, 655, 49-60.	2.0	12
102	Density-dependent regulation of natural and laboratory rotifer populations. <i>Hydrobiologia</i> , 2001, 446/447, 39-44.	2.0	10
103	Stress granules form in <i>Brachionus manjavacas</i> (Rotifera) in response to a variety of stressors. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013, 166, 375-384.	1.8	10
104	Effects of astaxanthin on <i>Brachionus manjavacas</i> (Rotifera) population growth. <i>Aquaculture Research</i> , 2018, 49, 2278-2287.	1.8	10
105	Utilizing <i>Brachionus</i> biodiversity in marine finfish larviculture. <i>Hydrobiologia</i> , 2019, 844, 149-162.	2.0	10
106	Gene Expression of Corals in Response to Macroalgal Competitors. <i>PLoS ONE</i> , 2014, 9, e114525.	2.5	10
107	Transfection of siRNA into <i>Brachionus plicatilis</i> (Rotifera). <i>Hydrobiologia</i> , 2007, 593, 141-150.	2.0	9
108	Molecular evolution of the membrane associated progesterone receptor in the <i>Brachionus plicatilis</i> (Rotifera, Monogononta) species complex. <i>Hydrobiologia</i> , 2011, 662, 99-106.	2.0	9

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109	Title is missing!. <i>Hydrobiologia</i> , 1997, 358, 71-76.	2.0	7
110	Effects of atrazine and carbaryl on growth and reproduction of the rotifer <i>Brachionus calyciflorus</i> Pallas. <i>Journal of Freshwater Ecology</i> , 2012, 27, 527-537.	1.2	7
111	Freshwater toxicity testing using rehydrated <i>Philodina</i> sp. (Rotifera) as test animals. <i>Environmental Toxicology</i> , 2017, 32, 2267-2276.	4.0	7
112	Reproduction, Overview by Phylogeny: Rotifera. , 2018, , 513-521.		7
113	Characteristics of the mate-recognition pheromone in <i>brachionus plicatilis</i> (rotifera). <i>Marine and Freshwater Behaviour and Physiology</i> , 1996, 27, 143-151.	0.9	6
114	Rotifer Ingestion Test for Rapid Assessment of Toxicity. , 2005, , 323-335.		6
115	Rotifers as a Model for the Biology of Aging. , 2018, , 483-495.		6
116	Effect of known and suspected endocrine disrupting chemicals on the demographic parameters of the copepod <i>Tigriopus japonicus</i> . <i>Fisheries Science</i> , 2002, 68, 863-866.	1.6	5
117	Effects of desiccation on the toxicant sensitivity of rotifers. <i>Hydrobiologia</i> , 2010, 652, 185-193.	2.0	5
118	Using Rotifers to Diagnosis the Ecological Impacts of Toxicants. <i>Fisheries Science Series</i> , 2017, , 129-147.	0.5	5
119	The effect of interference competition in <i>Asplanchna brightwelli</i> on its predation capacity. <i>Journal of Plankton Research</i> , 2014, 36, 1391-1395.	1.8	3
120	A rapid, simple screening toxicity test using desiccated bdelloid rotifers: Rotifer Activity Inhibition Test (RAIT). <i>Environmental Science and Pollution Research</i> , 2021, 28, 3810-3819.	5.3	3
121	Density-dependent regulation of natural and laboratory rotifer populations. , 2001, , 39-44.		2