

# Terry W Snell

## List of Publications by Year in descending order

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121  
papers

5,647  
citations

57758

44  
h-index

95266

68  
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123  
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123  
docs citations

123  
times ranked

2542  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Using <i>Proales similis</i> (Rotifera) for toxicity assessment in marine waters. <i>Environmental Toxicology</i> , 2019, 34, 634-644.	4.0	15
3	Utilizing <i>Brachionus</i> biodiversity in marine finfish larviculture. <i>Hydrobiologia</i> , 2019, 844, 149-162.	2.0	10
4	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
5	Reproduction, Overview by Phylogeny: Rotifera. , 2018, , 513-521.		7
6	Effects of astaxanthin on <i>Brachionus manjavacas</i> (Rotifera) population growth. <i>Aquaculture Research</i> , 2018, 49, 2278-2287.	1.8	10
7	Rotifers as a Model for the Biology of Aging. , 2018, , 483-495.		6
8	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
9	Conservation of estrogen receptor function in invertebrate reproduction. <i>BMC Evolutionary Biology</i> , 2017, 17, 65.	3.2	26
10	Using Rotifers to Diagnosis the Ecological Impacts of Toxicants. <i>Fisheries Science Series</i> , 2017, , 129-147.	0.5	5
11	Freshwater toxicity testing using rehydrated <i>Philodina</i> sp. (Rotifera) as test animals. <i>Environmental Toxicology</i> , 2017, 32, 2267-2276.	4.0	7
12	Analysis of proteins in conditioned medium that trigger monogonont rotifer mictic reproduction. <i>Hydrobiologia</i> , 2017, 796, 245-253.	2.0	18
13	Repurposing FDA-approved drugs for anti-aging therapies. <i>Biogerontology</i> , 2016, 17, 907-920.	3.9	31
14	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
15	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
16	Rotifers as experimental tools for investigating aging. <i>Invertebrate Reproduction and Development</i> , 2015, 59, 5-10.	0.8	35
17	Phylum Rotifera. , 2015, , 225-271.		48
18	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

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19	Rotifers as models for the biology of aging. <i>International Review of Hydrobiology</i> , 2014, 99, 84-95.	0.9	52
20	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
21	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
22	Glycerol extends lifespan of <i>Brachionus manjavacas</i> (Rotifera) and protects against stressors. <i>Experimental Gerontology</i> , 2014, 57, 47-56.	2.8	21
23	Gene Expression of Corals in Response to Macroalgal Competitors. <i>PLoS ONE</i> , 2014, 9, e114525.	2.5	10
24	Lifespan extension of rotifers by treatment with red algal extracts. <i>Experimental Gerontology</i> , 2013, 48, 1420-1427.	2.8	24
25	Stress granules form in <i>Brachionus manjavacas</i> (Rotifera) in response to a variety of stressors. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2013, 166, 375-384.	1.8	10
26	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
27	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
28	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
29	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
30	A review of the molecular mechanisms of monogonont rotifer reproduction. <i>Hydrobiologia</i> , 2011, 662, 89-97.	2.0	36
31	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
32	Exposure to dsRNA Elicits RNA Interference in <i>Brachionus manjavacas</i> (Rotifera). <i>Marine Biotechnology</i> , 2011, 13, 264-274.	2.4	31
33	Assessing toxicity of nanoparticles using <i>Brachionus manjavacas</i> (Rotifera). <i>Environmental Toxicology</i> , 2011, 26, 146-152.	4.0	72
34	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
35	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
36	<i>Rotifera</i> , 2010, , 173-235.		58

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37	Effects of desiccation on the toxicant sensitivity of rotifers. <i>Hydrobiologia</i> , 2010, 652, 185-193.	2.0	5
38	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
39	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
40	Genetic determinants of mate recognition in <i>Brachionus manjavacas</i> (Rotifera). <i>BMC Biology</i> , 2009, 7, 60.	3.8	26
41	Sex Loss in Monogonont Rotifers. , 2009, , 281-294.		37
42	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
43	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
44	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
45	Workshop on rotifers in ecotoxicology. <i>Hydrobiologia</i> , 2007, 593, 227-232.	2.0	63
46	Mate choice and sexual conflict in <i>Brachionus plicatilis</i> (Rotifera). <i>Hydrobiologia</i> , 2007, 593, 151-157.	2.0	19
47	Transfection of siRNA into <i>Brachionus plicatilis</i> (Rotifera). <i>Hydrobiologia</i> , 2007, 593, 141-150.	2.0	9
48	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
49	A protein signal triggers sexual reproduction in <i>Brachionus plicatilis</i> (Rotifera). <i>Marine Biology</i> , 2006, 149, 763-773.	1.5	145
50	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
51	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
52	Euryhaline <i>Brachionus</i> Strains (Rotifera) from Tropical Habitats: Morphology and Allozyme Patterns. <i>Hydrobiologia</i> , 2005, 546, 161-167.	2.0	18
53	Removal of Surface Glycoproteins and Transfer among <i>Brachionus</i> species. <i>Hydrobiologia</i> , 2005, 546, 267-274.	2.0	25
54	Effect of Some Pesticides on Reproduction of Rotifer <i>Brachionus plicatilis</i> Müller. <i>Hydrobiologia</i> , 2005, 546, 569-575.	2.0	75

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55	Rotifer Ingestion Test for Rapid Assessment of Toxicity. , 2005, , 323-335.		6
56	Modeling the dynamics of natural rotifer populations: Phase-parametric analysis. Ecological Complexity, 2005, 2, 395-409.	2.9	16
57	Selective feeding of <i>Arctodiaptomus salinus</i> (Copepoda, Calanoida) on co-occurring sibling rotifer species. Freshwater Biology, 2004, 49, 1053-1061.	2.4	33
58	Gene Expression Profiling in Ecotoxicology. Ecotoxicology, 2003, 12, 475-483.	2.4	121
59	ESTROGENIC COMPOUNDS AFFECT DEVELOPMENT OF HARPACTICOID COPEPOD <i>TIGRIOPUS JAPONICUS</i> . Environmental Toxicology and Chemistry, 2003, 22, 3025.	4.3	93
60	Effect of known and suspected endocrine disrupting chemicals on the demographic parameters of the copepod <i>Tigriopus japonicus</i> . Fisheries Science, 2002, 68, 863-866.	1.6	5
61	Characterizing stress gene expression in reef-building corals exposed to the mosquitoside dibrom. Marine Pollution Bulletin, 2002, 44, 1206-1218.	5.0	30
62	Full life-cycle toxicity assessment using rotifer resting egg production: implications for ecological risk assessment. Environmental Pollution, 2001, 114, 399-406.	7.5	77
63	Direct and indirect effects of sublethal toxicant exposure on population dynamics of freshwater rotifers: a modeling approach. Aquatic Toxicology, 2001, 52, 87-99.	4.0	37
64	Assessing coral stress responses using molecular biomarkers of gene transcription. Environmental Toxicology and Chemistry, 2001, 20, 537-543.	4.3	41
65	Density-dependent regulation of natural and laboratory rotifer populations. Hydrobiologia, 2001, 446/447, 39-44.	2.0	10
66	Title is missing!. Hydrobiologia, 2001, 446/447, 363-368.	2.0	24
67	Density-dependent regulation of natural and laboratory rotifer populations. , 2001, , 39-44.		2
68	Using probability of extinction to evaluate the ecological significance of toxicant effects. Environmental Toxicology and Chemistry, 2000, 19, 2357-2363.	4.3	40
69	Use of freshwater rotifer <i>Brachionus calyciflorus</i> in screening assay for potential endocrine disruptors. Environmental Toxicology and Chemistry, 2000, 19, 2923-2928.	4.3	79
70	Effect of juvenile hormone and serotonin (5-HT) on mixis induction of the rotifer <i>Brachionus plicatilis</i> Muller. Journal of Experimental Marine Biology and Ecology, 2000, 252, 97-107.	1.5	37
71	Patterns of genetic differentiation in resting egg banks of a rotifer species complex in Spain. Fundamental and Applied Limnology, 2000, 149, 529-551.	0.7	79
72	USE OF FRESHWATER ROTIFER <i>BRACHIONUS CALYCIFLORUS</i> IN SCREENING ASSAY FOR POTENTIAL ENDOCRINE DISRUPTORS. Environmental Toxicology and Chemistry, 2000, 19, 2923.	4.3	43

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73	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
74	Probability distributions of toxicant sensitivity for freshwater rotifer species. <i>Environmental Toxicology</i> , 1999, 14, 361-366.	4.0	24
75	Toxicant exposure increases threshold food levels in freshwater rotifer populations. <i>Environmental Toxicology</i> , 1999, 14, 523-530.	4.0	23
76	The effects of sublethal pentachlorophenol exposure on predation risk in freshwater rotifer species. <i>Aquatic Toxicology</i> , 1999, 47, 93-105.	4.0	24
77	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
78	Chemical ecology of rotifers. <i>Hydrobiologia</i> , 1998, 387/387, 267-276.	2.0	59
79	Dynamics of natural rotifer populations. <i>Hydrobiologia</i> , 1998, 368, 29-35.	2.0	26
80	The role of chemical signals in copepod reproduction. <i>Journal of Marine Systems</i> , 1998, 15, 1-12.	2.1	62
81	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
82	Title is missing!. <i>Hydrobiologia</i> , 1997, 358, 71-76.	2.0	7
83	Title is missing!. <i>Hydrobiologia</i> , 1997, 358, 113-120.	2.0	80
84	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
85	Mating behavior in eight rotifer species: using cross-mating tests to study species boundaries. <i>Hydrobiologia</i> , 1997, 356, 165-173.	2.0	24
86	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
87	A critical body size for use of pheromones in mate location. <i>Journal of Chemical Ecology</i> , 1995, 21, 427-438.	1.8	41
88	Rotifers in ecotoxicology: a review. <i>Hydrobiologia</i> , 1995, 313-314, 231-247.	2.0	271
89	Male discrimination of female <i>Brachionus plicatilis</i> MÅ¼ller and <i>Brachionus rotundiformis</i> Tschugunoff (Rotifera). <i>Journal of Experimental Marine Biology and Ecology</i> , 1995, 190, 39-49.	1.5	33
90	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

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91	COMPARATIVE TOXICANT SENSITIVITY OF SEXUAL AND ASEQUAL REPRODUCTION IN THE ROTIFER BRACHIONUS CALYCIFLORUS. Environmental Toxicology and Chemistry, 1995, 14, 415.	4.3	40
92	Rapid toxicity assessment using esterase biomarkers in Brachionus calyciflorus (rotifera). Environmental Toxicology and Water Quality, 1994, 9, 171-178.	0.5	42
93	Polymerase chain reaction as a tool for developing stress protein probes. Environmental Toxicology and Chemistry, 1994, 13, 1221-1229.	4.3	14
94	Cyst-based toxicity tests. VIII. Short-chronic toxicity tests with the freshwater rotifer Brachionus calyciflorus. Aquatic Toxicology, 1994, 28, 243-258.	4.0	63
95	Sexual communication in copepods and rotifers. Hydrobiologia, 1993, 255-256, 109-116.	2.0	48
96	Localization of the mate-recognition pheromone in Brachionus plicatilis O.F. MÅ¼ller (Rotifera) by fluorescent labeling with lectins. Journal of Experimental Marine Biology and Ecology, 1993, 165, 225-235.	1.5	17
97	A 2â€d Life cycle test with the rotifer <i>Brachionus calyciflorus</i>. Environmental Toxicology and Chemistry, 1992, 11, 1249-1257.	4.3	125
98	A 2-d LIFE CYCLE TEST WITH THE ROTIFER BRACHIONUS CALYCIFLORUS. Environmental Toxicology and Chemistry, 1992, 11, 1249.	4.3	59
99	Acute toxicity tests using rotifers. Ecotoxicology and Environmental Safety, 1991, 21, 308-317.	6.0	129
100	Acute toxicity tests using rotifers. III. Effects of temperature, strain, and exposure time on the sensitivity of Brachionus plicatilis. Environmental Toxicology and Water Quality, 1991, 6, 63-75.	0.5	54
101	Sex pheromone communication in brachionus plicatilis (rotifera). Comparative Biochemistry and Physiology A, Comparative Physiology, 1990, 97, 211-216.	0.6	28
102	Systematics, reproductive isolation and species boundaries in monogonont rotifers. Hydrobiologia, 1989, 186-187, 299-310.	2.0	41
103	Acute toxicity bioassays using rotifers. II. A freshwater test with Brachionus rubens. Aquatic Toxicology, 1989, 14, 81-91.	4.0	106
104	Acute toxicity bioassays using rotifers. I. A test for brackish and marine environments with Brachionus plicatilis. Aquatic Toxicology, 1989, 14, 65-80.	4.0	124
105	Thresholds for mictic female production in the rotifer Brachionus plicatilis (Muller). Journal of Experimental Marine Biology and Ecology, 1988, 124, 73-85.	1.5	102
106	Aging and Loss of Fertility in Male and Female Brachionus plicatilis (Rotifera). International Journal of Invertebrate Reproduction and Development, 1987, 12, 103-110.	0.7	54
107	Sex, population dynamics and resting egg production in rotifers. Hydrobiologia, 1987, 144, 105-111.	2.0	52
108	Fertilization and male fertility in the rotifer Brachionus plicatilis. Hydrobiologia, 1987, 147, 329-334.	2.0	52

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109	Assessing the Status of Rotifer Mass Cultures. <i>Journal of the World Aquaculture Society</i> , 1987, 18, 270-277.	2.4	67
110	Encounter probabilities between male and female rotifers. <i>Journal of Experimental Marine Biology and Ecology</i> , 1986, 97, 221-230.	1.5	74
111	Body size variation among strains of the rotifer <i>Brachionus plicatilis</i> . <i>Aquaculture</i> , 1984, 37, 359-367.	3.5	110
112	Resting eggs in rotifers. <i>Hydrobiologia</i> , 1983, 104, 213-224.	2.0	171
113	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
114	BEHAVIORAL REPRODUCTIVE ISOLATION AMONG POPULATIONS OF THE ROTIFER <i>BRACHIONUS PLICATILIS</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1983, 37, 1294-1305.	2.3	76
115	Density-dependent sexual reproduction in natural populations of the rotifer <i>asplanchna girodi</i> . <i>Hydrobiologia</i> , 1980, 73, 149-152.	2.0	38
116	Fecundity, developmental time, and population growth rate. <i>Oecologia</i> , 1978, 32, 119-125.	2.0	63
117	Lifespan and Fecundity Patterns in Rotifers: The Cost of Reproduction. <i>Evolution; International Journal of Organic Evolution</i> , 1977, 31, 882.	2.3	83
118	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
119	Sexual recombination in rotifers. <i>Heredity</i> , 1977, 39, 357-360.	2.6	41
120	Genetic basis of amphoteric reproduction in rotifers. <i>Heredity</i> , 1977, 39, 361-364.	2.6	17
121	Quorum Sensing in Rotifers. , 0, , 453-461.		16