

# Jon C. Svendsen

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

1,706  
citations

257450

24  
h-index

330143

37  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1882  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intra-school positional preference and reduced tail beat frequency in trailing positions in schooling roach under experimental conditions. <i>Journal of Fish Biology</i> , 2003, 62, 834-846.	1.6	112
2	Environmental benefits of leaving offshore infrastructure in the ocean. <i>Frontiers in Ecology and the Environment</i> , 2018, 16, 571-578.	4.0	93
3	Conservation physiology of marine fishes: state of the art and prospects for policy. , 2016, 4, cow046.		89
4	Partition of aerobic and anaerobic swimming costs related to gait transitions in a labriform swimmer. <i>Journal of Experimental Biology</i> , 2010, 213, 2177-2183.	1.7	80
5	Measuring maximum and standard metabolic rates using intermittent flow respirometry: a student laboratory investigation of aerobic metabolic scope and environmental hypoxia in aquatic breathers. <i>Journal of Fish Biology</i> , 2016, 88, 265-283.	1.6	76
6	Excess posthypoxic oxygen consumption in rainbow trout ( <i>Oncorhynchus mykiss</i> ): recovery in normoxia and hypoxia. <i>Canadian Journal of Zoology</i> , 2012, 90, 1-11.	1.0	70
7	The Physiological Basis of the Migration Continuum in Brown Trout ( <i>Salmo trutta</i> ). <i>Physiological and Biochemical Zoology</i> , 2014, 87, 334-345.	1.5	59
8	Survival and behaviour of European silver eel in late freshwater and early marine phase during spring migration. <i>Fisheries Management and Ecology</i> , 2008, 15, 435-440.	2.0	54
9	Diets supplemented with seaweed affect metabolic rate, innate immune, and antioxidant responses, but not individual growth rate in European seabass ( <i>Dicentrarchus labrax</i> ). <i>Journal of Applied Phycology</i> , 2016, 28, 2061-2071.	2.8	54
10	Excess post-hypoxic oxygen consumption is independent from lactate accumulation in two cyprinid fishes. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2013, 165, 54-60.	1.8	53
11	Evidence of Circadian Rhythm, Oxygen Regulation Capacity, Metabolic Repeatability and Positive Correlations between Forced and Spontaneous Maximal Metabolic Rates in Lake Sturgeon <i>Acipenser fulvescens</i> . <i>PLoS ONE</i> , 2014, 9, e94693.	2.5	52
12	Survival and progression rates of large European silver eel <i>Anguilla anguilla</i> in late freshwater and early marine phases. <i>Aquatic Biology</i> , 2010, 9, 263-270.	1.4	46
13	Factors influencing the spawning migration of female anadromous brown trout. <i>Journal of Fish Biology</i> , 2004, 64, 528-540.	1.6	44
14	Performance Assessment of Two Whole-Lake Acoustic Positional Telemetry Systems - Is Reality Mining of Free-Ranging Aquatic Animals Technologically Possible?. <i>PLoS ONE</i> , 2015, 10, e0126534.	2.5	44
15	Seasonal and diel effects on the activity of northern pike studied by high-resolution positional telemetry. <i>Ecology of Freshwater Fish</i> , 2012, 21, 386-394.	1.4	42
16	Effects of temperature on specific dynamic action in Atlantic cod <i>Gadus morhua</i> . <i>Fish Physiology and Biochemistry</i> , 2015, 41, 41-50.	2.3	39
17	Using Artificial-Reef Knowledge to Enhance the Ecological Function of Offshore Wind Turbine Foundations: Implications for Fish Abundance and Diversity. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 332.	2.6	38
18	Evidence for non-random spatial positioning of migrating smolts ( <i>Salmonidae</i> ) in a small lowland stream. <i>Freshwater Biology</i> , 2007, 52, 1147-1158.	2.4	37

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19	Behaviour of rainbow trout <i>Oncorhynchus mykiss</i> presented with a choice of normoxia and stepwise progressive hypoxia. <i>Journal of Fish Biology</i> , 2011, 79, 969-979.	1.6	34
20	Muddied waters: suspended sediment impacts on gill structure and aerobic scope in an endangered native and an invasive freshwater crayfish. <i>Hydrobiologia</i> , 2014, 722, 61-74.	2.0	34
21	Selective effects of small barriers on river-resident fish. <i>Journal of Applied Ecology</i> , 2021, 58, 1487-1498.	4.0	33
22	Phenotypic variation in metabolism and morphology correlating with animal swimming activity in the wild: relevance for the OCLTT (oxygen- and capacity-limitation of thermal tolerance), allocation and performance models. , 2016, 4, cov055.		32
23	Effects of dietary <i>Gracilaria</i> sp. and <i>Alaria</i> sp. supplementation on growth performance, metabolic rates and health in meagre ( <i>Argyrosomus regius</i> ) subjected to pathogen infection. <i>Journal of Applied Phycology</i> , 2017, 29, 433-447.	2.8	32
24	Effects of intraspecific variation in reproductive traits, pectoral fin use and burst swimming on metabolic rates and swimming performance: a study on the Trinidadian guppy ( <i>Poecilia reticulata</i> )	1.7	29
25	Local Adaptation to Altitude Underlies Divergent Thermal Physiology in Tropical Killifishes of the Genus <i>Aphyosemion</i> . <i>PLoS ONE</i> , 2013, 8, e54345.	2.5	29
26	Intraspecific variation in aerobic and anaerobic locomotion: gilthead sea bream ( <i>Sparus aurata</i> ) and Trinidadian guppy ( <i>Poecilia reticulata</i> ) do not exhibit a trade-off between maximum sustained swimming speed and minimum cost of transport. <i>Frontiers in Physiology</i> , 2015, 6, 43.	2.8	27
27	Linking individual behaviour and migration success in <i>Salmo salar</i> smolts approaching a water withdrawal site: implications for management. <i>Aquatic Living Resources</i> , 2011, 24, 201-209.	1.2	24
28	Movement patterns of seaward migrating European eel ( <i>Anguilla anguilla</i> ) at a complex of riverine barriers: implications for conservation. <i>Ecology of Freshwater Fish</i> , 2017, 26, 87-98.	1.4	24
29	Partitioning the metabolic scope: the importance of anaerobic metabolism and implications for the oxygen- and capacity-limited thermal tolerance (OCLTT) hypothesis. , 2016, 4, cow019.		22
30	Effects of angling and manual handling on pike behaviour investigated by high-resolution positional telemetry. <i>Fisheries Management and Ecology</i> , 2013, 20, 518-525.	2.0	21
31	Using acoustic telemetry and snorkel surveys to study diel activity and seasonal migration of round goby ( <i>Neogobius melanostomus</i> ) in an estuary of the Western Baltic Sea. <i>Fisheries Management and Ecology</i> , 2019, 26, 172-182.	2.0	21
32	Pectoral fin beat frequency predicts oxygen consumption during spontaneous activity in a labriform swimming fish ( <i>Embiotoca lateralis</i> ). <i>Environmental Biology of Fishes</i> , 2009, 84, 121-127.	1.0	20
33	Linking reproduction, locomotion, and habitat use in the Trinidadian guppy ( <i>Poecilia reticulata</i> ). <i>Oecologia</i> , 2016, 181, 87-96.	2.0	20
34	Effects of food deprivation on refuge use and dispersal in juvenile North Sea houting <i>Coregonus oxyrinchus</i> under experimental conditions. <i>Journal of Fish Biology</i> , 2010, 77, 1702-1708.	1.6	19
35	Progressive hypoxia decouples activity and aerobic performance of skate embryos. , 2016, 4, cov067.		16
36	Benthic habitat selection in juvenile European eel <i>Anguilla anguilla</i> : implications for coastal habitat management and restoration. <i>Journal of Fish Biology</i> , 2018, 93, 996-999.	1.6	16

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37	Effects of Water Acidification on Senegalese Sole <i>Solea senegalensis</i> Health Status and Metabolic Rate: Implications for Immune Responses and Energy Use. <i>Frontiers in Physiology</i> , 2020, 11, 26.	2.8	16
38	Restoration of a boulder reef in temperate waters: Strategy, methodology and lessons learnt. <i>Ecological Engineering</i> , 2017, 102, 468-482.	3.6	15
39	Ontogenetic differentiation of swimming performance and behaviour in relation to habitat availability in the endangered North Sea houting ( <i>Coregonus oxyrinchus</i> ). <i>Aquatic Living Resources</i> , 2012, 25, 241-249.	1.2	14
40	Phenotypic differences between the sexes in the sexually plastic mangrove rivulus fish ( <i>Kryptolebias marmoratus</i> ). <i>Journal of Experimental Biology</i> , 2016, 219, 988-997.	1.7	14
41	One size does not fit all: inter- and intraspecific variation in the swimming performance of contrasting freshwater fish. , 2020, 8, coaa126.		13
42	A Novel Acoustic Dissolved Oxygen Transmitter for Fish Telemetry. <i>Marine Technology Society Journal</i> , 2006, 40, 103-108.	0.4	12
43	Effects of low oxygen conditions on embryo growth in the painted turtle, <i>Chrysemys picta</i> . <i>Integrative Zoology</i> , 2017, 12, 148-156.	2.6	12
44	Geospatial modeling of the Birch River: Distribution of Carmine Shiner ( <i>Notropis percobromus</i> ) in Geomorphic Response Units (GRU). <i>International Review of Hydrobiology</i> , 2015, 100, 129-140.	0.9	9
45	The angle of attack of the body of common bream while swimming at different speeds in a flume tank. <i>Journal of Fish Biology</i> , 2005, 66, 572-577.	1.6	8
46	Hypoxia but not shy-bold phenotype mediates thermal preferences in a threatened freshwater fish, <i>Notropis percobromus</i> . <i>Journal of Thermal Biology</i> , 2019, 84, 479-487.	2.5	8
47	The volitional travel speed varies with reproductive state in mature female brown trout <i>Salmo trutta</i> . <i>Journal of Fish Biology</i> , 2009, 75, 901-907.	1.6	7
48	Effect of nanosilver on metabolism in rainbow trout ( <i>Oncorhynchus mykiss</i> ): An investigation using different respirometric approaches. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 2722-2729.	4.3	7
49	Organochlorine Fingerprinting to Determine Foraging Areas of Sea-Ranched Atlantic Salmon: A Case Study from Denmark. <i>North American Journal of Fisheries Management</i> , 2009, 29, 598-603.	1.0	5
50	Environmental calcium and variation in yolk sac size influence swimming performance in larval lake sturgeon ( <i>Acipenser fulvescens</i> ). <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	5
51	Evidence of cormorant-induced mortality, disparate migration strategies and repeatable circadian rhythm in the endangered North Sea houting ( <i>Coregonus oxyrinchus</i> ): A telemetry study mapping the postspawning migration. <i>Ecology of Freshwater Fish</i> , 2018, 27, 672-685.	1.4	5
52	Effects of a surface oriented travelling screen and water abstraction practices on downstream migrating salmonidae smolts in a lowland stream. <i>River Research and Applications</i> , 2010, 26, 353-361.	1.7	4
53	Excess postexercise oxygen consumption decreases with swimming duration in a labriform fish: Integrating aerobic and anaerobic metabolism across time. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2019, 331, 577-586.	1.9	3
54	Development and testing of fish-retention devices for pots: transparent triggers significantly increase catch efficiency for Atlantic cod ( <i>Gadus morhua</i> ). <i>ICES Journal of Marine Science</i> , 2021, 78, 199-219.	2.5	3

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55	Using acoustic telemetry to locate flatfish spawning areas: Estuarine migrations of turbot <i>Scophthalmus maximus</i> and European flounder <i>Platichthys flesus</i> . <i>Journal of Sea Research</i> , 2022, 183, 102187.	1.6	3
56	Environmental DNA reveals fine-scale habitat associations for sedentary and resident marine species across a coastal mosaic of soft and hard bottom habitats. <i>Environmental DNA</i> , 2022, 4, 954-971.	5.8	3
57	Save a North Sea fish from becoming museum piece. <i>Nature</i> , 2018, 556, 174-174.	27.8	2
58	Fish Assemblages in Seagrass ( <i>Zostera marina</i> L.) Meadows and Mussel Reefs ( <i>Mytilus edulis</i> ): Implications for Coastal Fisheries, Restoration and Marine Spatial Planning. <i>Water (Switzerland)</i> , 2021, 13, 3268.	2.7	2
59	Restoring marine ecosystems: Spatial reef configuration triggers taxon-specific responses among early colonizers. <i>Journal of Applied Ecology</i> , 2021, 58, 2936-2950.	4.0	1
60	Behavioural alarm and avoidance responses to copper in rainbow trout ( <i>Oncorhynchus mykiss</i> ): The effect of calcium. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2009, 153, S103.	1.8	0