Per R Jonsson

List of Publications by Year
in descending order

99 papers	5,085 citations	81900 39 h-index	98798 67 g-index
102 all docs	102 docs citations	102 times ranked	6182 citing authors

#	Article	IF	Citations
1	MULTIPLE FUNCTIONS INCREASE THE IMPORTANCE OF BIODIVERSITY FOR OVERALL ECOSYSTEM FUNCTIONING. Ecology, 2008, 89, 1223-1231.	3.2	455
2	An ecological perspective on the deployment and design of low-crested and other hard coastal defence structures. Coastal Engineering, 2005, 52, 1073-1087.	4.0	312
3	Low-crested coastal defence structures as artificial habitats for marine life: Using ecological criteria in design. Coastal Engineering, 2005, 52, 1053-1071.	4.0	300
4	Analysis of behavioural rejection of micro-textured surfaces and implications for recruitment by the barnacle Balanus improvisus. Journal of Experimental Marine Biology and Ecology, 2000, 251, 59-83.	1.5	207
5	Species richness changes across two trophic levels simultaneously affect prey and consumer biomass. Ecology Letters, 2005, 8, 696-703.	6.4	177
6	Genome architecture enables local adaptation of Atlantic cod despite high connectivity. Molecular Ecology, 2017, 26, 4452-4466.	3.9	130
7	Formation of harmful algal blooms cannot be explained by allelopathic interactions. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11177-11182.	7.1	120
8	Antifouling Activity of Brominated Cyclopeptides from the Marine SpongeGeodia barretti. Journal of Natural Products, 2004, 67, 368-372.	3.0	104
9	Local adaptation and oceanographic connectivity patterns explain genetic differentiation of a marine diatom across the North Seaâ€"Baltic Sea salinity gradient. Molecular Ecology, 2015, 24, 2871-2885.	3.9	104
10	Disturbanceâ€"diversity models: what do they really predict and how are they tested?. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2163-2170.	2.6	103
11	Surface active adrenoceptor compounds prevent the settlement of cyprid larvae of<i>Balanus improvisus</i>. Biofouling, 2000, 16, 191-203.	2.2	102
12	INTERACTIONS BETWEEN WAVE ACTION AND GRAZING CONTROL THE DISTRIBUTION OF INTERTIDAL MACROALGAE. Ecology, 2006, 87, 1169-1178.	3.2	96
13	HETEROGENEOUSâ€‰GENOMICâ€‰DIFFERENTIATION IN MARINE THREESPINE STICKLEBACKS: ADAPTATION ALONG AN ENVIRONMENTAL GRADIENT. Evolution; International Journal of Organic Evolution, 2013, 67, 2530-2546.	2.3	77
14	Surface wettability as a determinant in the settlement of the barnacle Balanus Improvisus (DARWIN). Journal of Experimental Marine Biology and Ecology, 2004, 305, 223-232.	1.5	75
15	Oceanographic connectivity and environmental correlates of genetic structuring in Atlantic herring in the Baltic Sea. Evolutionary Applications, 2013, 6, 549-567.	3.1	69
16	Identification of subpopulations from connectivity matrices. Ecography, 2012, 35, 1004-1016.	4.5	68
17	Mass mortality of the bivalve<i>Cerastoderma edule</i>on the swedish west coast caused by infestation with the digenean trematode<i>Cercaria cerastodermae</i>I. Ophelia, 1992, 36, 151-157.	0.3	64
18	Antifouling Activity of a Dibrominated Cyclopeptide from the Marine Sponge <i>Geodia barretti</i>. Journal of Natural Products, 2008, 71, 330-333.	3.0	64

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19	Roughness-dependent Removal of Settled Spores of the Green AlgaUlva(syn.Enteromorpha)Exposed to Hydrodynamic Forces from a Water Jet. Biofouling, 2004, 20, 117-122.	2.2	63
20	Cleaning up seas using blue growth initiatives: Mussel farming for eutrophication control in the Baltic Sea. Science of the Total Environment, 2020, 709, 136144.	8.0	63
21	Temporal and spatial patterns in recruitment and succession of a temperate marine fouling assemblage: A comparison of static panels and boat hulls during the boating season. Biofouling, 2003, 19, 187-195.	2.2	62
22	LINKING LARVAL SUPPLY TO RECRUITMENT: FLOW-MEDIATED CONTROL OF INITIAL ADHESION OF BARNACLE LARVAE. Ecology, 2004, 85, 2850-2859.	3.2	62
23	MALE DISCRIMINATION OF FEMALE MUCOUS TRAILS PERMITS ASSORTATIVE MATING IN A MARINE SNAIL SPECIES. Evolution; International Journal of Organic Evolution, 2008, 62, 3178-3184.	2.3	62
24	Looking beyond the mountain: dispersal barriers in a changing world. Frontiers in Ecology and the Environment, 2016, 14, 261-268.	4.0	62
25	Effects of broodstock diets on fatty acid composition, survival and growth rates in larvae of the European flat oyster, Ostrea edulis. Aquaculture, 1997, 154, 139-153.	3.5	61
26	Microtextured surfaces: Towards macrofouling resistant coatings. Biofouling, 1999, 14, 167-178.	2.2	59
27	BARNACLE LARVAE ACTIVELY SELECT FLOW ENVIRONMENTS SUPPORTING POST-SETTLEMENT GROWTH AND SURVIVAL. Ecology, 2006, 87, 1960-1966.	3.2	59
28	INCREASING INTRASPECIFIC DIVERSITY ENHANCES SETTLING SUCCESS IN A MARINE INVERTEBRATE. Ecology, 2005, 86, 3219-3224.	3.2	58
29	Optimal selection of marine protected areas based on connectivity and habitat quality. Ecological Modelling, 2012, 240, 105-112.	2.5	57
30	Reduction of barnacle recruitment on microâ€textured surfaces: Analysis of effective topographic characteristics and evaluation of skin friction. Biofouling, 2000, 16, 245-261.	2.2	55
31	Depth distribution of larvae critically affects their dispersal and the efficiency of marine protected areas. Marine Ecology - Progress Series, 2012, 467, 29-46.	1.9	54
32	Experimental records of the effects of food patchiness and predation on egg production of Acartia tonsa. Limnology and Oceanography, 1993, 38, 280-289.	3.1	53
33	Ecology and Distribution of the Isopod Genus Idotea in the Baltic Sea: Key Species in a Changing Environment. Journal of Crustacean Biology, 2012, 32, 359-389.	0.8	52
34	Physical barriers and environmental gradients cause spatial and temporal genetic differentiation of an extensive algal bloom. Journal of Biogeography, 2016, 43, 1130-1142.	3.0	52
35	The adhesion of the barnacle, Balanus improvisus, to poly(dimethylsiloxane) fouling-release coatings and poly(methyl methacrylate) panels: The effect of barnacle size on strength and failure mode. Journal of Adhesion Science and Technology, 2001, 15, 1485-1502.	2.6	51
36	Integrating experimental and distribution data to predict future species patterns. Scientific Reports, 2019, 9, 1821.	3.3	51

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37	Brominated Cyclodipeptides from the Marine SpongeGeodiabarrettias Selective 5-HT Ligands. Journal of Natural Products, 2006, 69, 1421-1424.	3.0	49
38	Optimal networks of nature reserves can be found through eigenvalue perturbation theory of the connectivity matrix. , 2011, 21, 1861-1870.		49
39	Tidal rhythm of cyst formation in the rock pool ciliate Strombidium oculatum Gruber (Ciliophora,) Tj ETQq1 1 0.784314 rgBT /Overloc of encystment. Journal of Experimental Marine Biology and Ecology, 1994, 175, 77-103.	1.5	48
40	Parallel speciation or longâ€distance dispersal? Lessons from seaweeds (<i><scp>F</scp>ucus</i>) in the <scp>B</scp>altic <scp>S</scp>ea. Journal of Evolutionary Biology, 2013, 26, 1727-1737.	1.7	45
41	Antifouling activity of synthesized peptide analogs of the sponge metabolite barettin. Peptides, 2006, 27, 2058-2064.	2.4	44
42	Seascape analysis reveals regional gene flow patterns among populations of a marine planktonic diatom. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131599.	2.6	44
43	Can we use laboratory-reared copepods for experiments? A comparison of feeding behaviour and reproduction between a field and a laboratory population of Acartia tonsa. ICES Journal of Marine Science, 1995, 52, 369-376.	2.5	42
44	High climate velocity and population fragmentation may constrain climateâ€driven range shift of the key habitat former <i>Fucus vesiculosus</i>. Diversity and Distributions, 2018, 24, 892-905.	4.1	41
45	EFFECTS OF GRAZER RICHNESS AND COMPOSITION ON ALGAL BIOMASS IN A CLOSED AND OPEN MARINE SYSTEM. Ecology, 2007, 88, 178-187.	3.2	40
46	Seascape genetics and biophysical connectivity modelling support conservation of the seagrass <i>Zostera marina</i> in the Skagerrakâ€"Kattegat region of the eastern North Sea. Evolutionary Applications, 2018, 11, 645-661.	3.1	40
47	Making water flow: a comparison of the hydrodynamic characteristics of 12 different benthic biological flumes. Aquatic Ecology, 2006, 40, 409-438.	1.5	39
48	Recruitment in the field ofbalanus improvisusandmytilus edulisin response to the antifouling cyclopeptides barettin and 8,9-dihydrobarettin from the marine spongegeodia barretti. Biofouling, 2004, 20, 291-297.	2.2	38
49	Antifouling activity of the sponge metabolite agelasine D and synthesised analogs on<i>Balanus improvisus</i>. Biofouling, 2008, 24, 251-258.	2.2	33
50	Larval behavior and dispersal mechanisms in shore crab larvae (<i>Carcinus maenas</i>): Local adaptations to different tidal environments?. Limnology and Oceanography, 2014, 59, 588-602.	3.1	33
51	Swimming behaviour, patch exploitation and dispersal capacity of a marine benthic ciliate in flume flow. Journal of Experimental Marine Biology and Ecology, 1997, 215, 135-153.	1.5	32
52	Appraisal of the potential for a future fishery on whelks (Buccinum undatum) in Swedish waters: CPUE and biological aspects. Fisheries Research, 1999, 42, 215-227.	1.7	32
53	Impact of polymer surface affinity of novel antifouling agents. Biotechnology and Bioengineering, 2004, 86, 1-8.	3.3	32
54	Molecular Characterization of the Î±-Subunit of Na+/K+ ATPase from the Euryhaline Barnacle Balanus improvisus Reveals Multiple Genes and Differential Expression of Alternative Splice Variants. PLoS ONE, 2013, 8, e77069.	2.5	31

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55	Larval dispersal and vertical migration behaviour â€“ a simulation study for short dispersal times. Marine Ecology, 2012, 33, 183-193.	1.1	30
56	Attachment to suspended particles may improve foraging and reduce predation risk for tintinnid ciliates. Limnology and Oceanography, 2004, 49, 1907-1914.	3.1	28
57	Effects of a large northern European noâ€take zone on flatfish populations^a. Journal of Fish Biology, 2013, 83, 939-962.	1.6	28
58	Biophysical models of dispersal contribute to seascape genetic analyses. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20210024.	4.0	28
59	Analysis of aquaporins from the euryhaline barnacle Balanus improvisus reveals differential expression in response to changes in salinity. PLoS ONE, 2017, 12, e0181192.	2.5	27
60	Indiscriminate Males: Mating Behaviour of a Marine Snail Compromised by a Sexual Conflict?. PLoS ONE, 2010, 5, e12005.	2.5	27
61	Evidence for different pharmacological targets for imidazoline compounds inhibiting settlement of the barnacleBalanus improvisus. Journal of Experimental Zoology Part A, Comparative Experimental Biology, 2005, 303A, 551-562.	1.3	26
62	How to select networks of marine protected areas for multiple species with different dispersal strategies. Diversity and Distributions, 2016, 22, 161-173.	4.1	26
63	Redescription of Strombidium oculatum Gruber 1884 (Ciliophora, Oligotrichia). Journal of Eukaryotic Microbiology, 2002, 49, 329-337.	1.7	25
64	Neutral processes forming large clones during colonization of new areas. Journal of Evolutionary Biology, 2017, 30, 1544-1560.	1.7	25
65	Ecological coherence of Marine Protected Areas: New tools applied to the Baltic Sea network. Aquatic Conservation: Marine and Freshwater Ecosystems, 2020, 30, 743-760.	2.0	25
66	Two Brominated Cyclic Dipeptides Released by the Coldwater Marine Sponge <i>Geodia barretti</i> Act in Synergy As Chemical Defense. Journal of Natural Products, 2011, 74, 449-454.	3.0	24
67	Trophic transfer and passive uptake of a polychlorinated biphenyl in experimental marine microbial communities. Environmental Toxicology and Chemistry, 2001, 20, 2158-2164.	4.3	21
68	The Story of a Hitchhiker: Population Genetic Patterns in the Invasive Barnacle Balanus(Amphibalanus) improvisus Darwin 1854. PLoS ONE, 2016, 11, e0147082.	2.5	20
69	The anchoring effectâ€”long-term dormancy and genetic population structure. ISME Journal, 2018, 12, 2929-2941.	9.8	20
70	Recent decline in cod stocks in the North Seaâ€“Skagerrakâ€“Kattegat shifts the sources of larval supply. Fisheries Oceanography, 2016, 25, 210-228.	1.7	19
71	Integrating genetics, biophysical, and demographic insights identifies critical sites for seagrass conservation. Ecological Applications, 2020, 30, e02121.	3.8	19
72	Algal spore settlement and germling removal as a function of flow speed. Marine Ecology - Progress Series, 2007, 344, 63-70.	1.9	19

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73	Is chain length in phytoplankton regulated to evade predation?. Journal of Plankton Research, 0, , fbv076.	1.8	18
74	Spatial genetic structure in a crustacean herbivore highlights the need for local considerations in Baltic Sea biodiversity management. Evolutionary Applications, 2020, 13, 974-990.	3.1	17
75	On the impact of dispersal asymmetry on metapopulation persistence. Journal of Theoretical Biology, 2011, 290, 37-45.	1.7	15
76	Instantaneous Flow Structures and Opportunities for Larval Settlement: Barnacle Larvae Swim to Settle. PLoS ONE, 2016, 11, e0158957.	2.5	14
77	Combining an Ecological Experiment and a Genome Scan Show Idiosyncratic Responses to Salinity Stress in Local Populations of a Seaweed. Frontiers in Marine Science, 2020, 7, .	2.5	14
78	Consumer diversity indirectly changes prey nutrient content. Marine Ecology - Progress Series, 2009, 380, 33-41.	1.9	14
79	Natural Populations of Shipworm Larvae Are Attracted to Wood by Waterborne Chemical Cues. PLoS ONE, 2015, 10, e0124950.	2.5	13
80	Oceanographic barriers to gene flow promote genetic subdivision of the tunicate Ciona intestinalis in a North Sea archipelago. Marine Biology, 2018, 165, 126.	1.5	13
81	Osmoregulation in Barnacles: An Evolutionary Perspective of Potential Mechanisms and Future Research Directions. Frontiers in Physiology, 2019, 10, 877.	2.8	12
82	Monitoring biofouling as a management tool for reducing toxic antifouling practices in the Baltic Sea. Journal of Environmental Management, 2020, 264, 110447.	7.8	12
83	Climate Envelope Modeling and Dispersal Simulations Show Little Risk of Range Extension of the Shipworm, Teredo navalis (L.), in the Baltic Sea. PLoS ONE, 2015, 10, e0119217.	2.5	12
84	Projected climate change impact on a coastal seaâ€"As significant as all current pressures combined. Global Change Biology, 2022, 28, 5310-5319.	9.5	12
85	A planktonic diatom displays genetic structure over small spatial scales. Environmental Microbiology, 2018, 20, 2783-2795.	3.8	11
86	Fluorescent microparticles: A new way of visualizing sedimentation and larval settlement. Limnology and Oceanography, 1991, 36, 1471-1476.	3.1	10
87	Oxygen-depleted surfaces: a new antifouling technology. Biofouling, 2009, 25, 455-461.	2.2	10
88	Combining seascape connectivity with cumulative impact assessment in support of ecosystemâ€based marine spatial planning. Journal of Applied Ecology, 2021, 58, 576-586.	4.0	10
89	A new flow-through bioassay for testing low-emission antifouling coatings. Biofouling, 2017, 33, 613-623.	2.2	9
90	Induction of Antiâ€Phagocytic Surface Properties of <i>Staphylococcus aureus</i> from Bovine Mastitis by Growth in Milk Whey. Zoonoses and Public Health, 1991, 38, 401-410.	1.4	8

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91	Physical and numerical modeling of the role of hydrodynamic processes on adult-larval interactions of a suspension-feeding bivalve. Journal of Marine Research, 2002, 60, 499-516.	0.3	8
92	The Barnacle Balanus improvisus as a Marine Model - Culturing and Gene Expression. Journal of Visualized Experiments, 2018, , .	0.3	7
93	A molecular phylogeny of the northâ€east Atlantic species of the genus <i>Idotea</i> (Isopoda) with focus on the Baltic Sea. Zoologica Scripta, 2017, 46, 188-199.	1.7	6
94	Temporal and Spatial Patterns in Recruitment and Succession of a Temperate Marine Fouling Assemblage: a Comparison of Static Panels and Boat Hulls during the Boating Season. Biofouling, 2003, 19, 187-195.	2.2	6
95	Factors affecting formation of adventitious branches in the seaweeds Fucus vesiculosus and F. radicans. BMC Ecology, 2019, 19, 22.	3.0	5
96	Seascape genomics identify adaptive barriers correlated to tidal amplitude in the shore crab<i>Carcinus maenas</i>. Molecular Ecology, 2022, 31, 1980-1994.	3.9	5
97	A CLASSIC HYDRODYNAMIC ANALYSIS OF LARVAL SETTLEMENT. Journal of Experimental Biology, 2005, 208, 3431-3432.	1.7	4
98	Affinity states of biocides determine bioavailability and release rates in marine paints. Biofouling, 2015, 31, 201-210.	2.2	4
99	Response to a letter to editor regarding Kotta et al. 2020: Cleaning up seas using blue growth initiatives: Mussel farming for eutrophication control in the Baltic Sea. Science of the Total Environment, 2020, 739, 138712.	8.0	2