Kerstin Johannesson

List of Publications by Year
in descending order

133 papers	5,647 citations	63230 40 h-index	78282 69 g-index
153 all docs	153 docs citations	153 times ranked	5830 citing authors

#	Article	IF	Citations
1	Strainâ€specific metabarcoding reveals rapid evolution of copper tolerance in populations of the coastal diatom <i>Skeletonema marinoi</i>. Molecular Ecology, 2024, 33, .	3.9	0
2	Diverse pathways to speciation revealed by marine snails. Trends in Genetics, 2024, 40, 337-351.	13.0	6
3	Coupling of twelve putative chromosomal inversions maintains a strong barrier to gene flow between snail ecotypes. Evolution Letters, 2024, 8, 575-586.	3.2	5
4	The brittle star genome illuminates the genetic basis of animal appendage regeneration. Nature Ecology and Evolution, 2024, 8, 1505-1521.	7.6	5
5	Predicting rapid adaptation in time from adaptation in space: A 30-year field experiment in marine snails. Science Advances, 2024, 10, .	11.3	2
6	Ten years of marine evolutionary biologyâ€"Challenges and achievements of a multidisciplinary research initiative. Evolutionary Applications, 2023, 16, 530-541.	3.3	4
7	Ten years of demographic modelling of divergence and speciation in the sea. Evolutionary Applications, 2023, 16, 542-559.	3.3	12
8	Local adaptation through countergradient selection in northern populations of <i>Skeletonema marinoi</i>. Evolutionary Applications, 2023, 16, 311-320.	3.3	6
9	An allozyme polymorphism is associated with a large chromosomal inversion in the marine snail <i>Littorina fabalis</i>. Evolutionary Applications, 2023, 16, 279-292.	3.3	7
10	Clones on the run: The genomics of a recently expanded partially clonal species. Molecular Ecology, 2023, 32, 4209-4223.	3.9	6
11	How chromosomal inversions reorient the evolutionary process. Journal of Evolutionary Biology, 2023, 36, 1761-1782.	2.0	26
12	Very short mountings are enough for sperm transfer in<i>Littorina saxatilis</i>. Journal of Molluscan Studies, 2022, 88, .	1.2	1
13	Introduction to the theme issue â€˜Species' ranges in the face of changing environmentsâ€™. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, .	4.1	5
14	Combining population genomics with demographic analyses highlights habitat patchiness and larval dispersal as determinants of connectivity in coastal fish species. Molecular Ecology, 2022, 31, 2562-2577.	3.9	16
15	The rise and fall of an alien: why the successful colonizer Littorina saxatilis failed to invade the Mediterranean Sea. Biological Invasions, 2022, 24, 3169-3187.	2.1	46
16	Inversions and parallel evolution. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, .	4.1	18
17	Differing associations between sex determination and sex-linked inversions in two ecotypes of<i>Littorina saxatilis</i>. Evolution Letters, 2022, 6, 358-374.	3.2	9
18	Genetic architecture of repeated phenotypic divergence in <i>Littorina saxatilis</i> ecotype evolution. Evolution; International Journal of Organic Evolution, 2022, 76, 2332-2346.	2.0	10

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19	Ecological Load and Balancing Selection in Circumboreal Barnacles. Molecular Biology and Evolution, 2021, 38, 676-685.	4.7	11
20	Authorsâ€™ Reply to Letter to the Editor: Continued improvement to genetic diversity indicator for CBD. Conservation Genetics, 2021, 22, 533-536.	1.1	21
21	Genetic variation for adaptive traits is associated with polymorphic inversions in<i>Littorina saxatilis</i>. Evolution Letters, 2021, 5, 196-213.	3.2	42
22	Population structure and phylogeography of two North Atlantic Littorina species with contrasting larval development. Marine Biology, 2021, 168, .	1.6	11
23	Using replicate hybrid zones to understand the genomic basis of adaptive divergence. Molecular Ecology, 2021, 30, 3797-3814.	3.9	31
24	Speciation in marine environments: Diving under the surface. Journal of Evolutionary Biology, 2021, 34, 4-15.	2.0	28
25	A large chromosomal inversion shapes gene expression in seaweed flies (<i>Coelopa frigida</i>). Evolution Letters, 2021, 5, 607-624.	3.2	13
26	Is embryo abortion a postâ€zygotic barrier to gene flow between <i>Littorina</i> ecotypes?. Journal of Evolutionary Biology, 2020, 33, 342-351.	2.0	12
27	A Darwinian Laboratory of Multiple Contact Zones. Trends in Ecology and Evolution, 2020, 35, 1021-1036.	9.1	60
28	The evolution of strong reproductive isolation between sympatric intertidal snails. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190545.	4.1	19
29	Assortative mating, sexual selection, and their consequences for gene flow in<i>Littorina</i>. Evolution; International Journal of Organic Evolution, 2020, 74, 1482-1497.	2.0	20
30	Post-2020 goals overlook genetic diversity. Science, 2020, 367, 1083-1085.	38.2	145
31	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, .	2.6	13
32	Phylogeographic history of flat periwinkles, Littorina fabalis and L. obtusata. BMC Evolutionary Biology, 2020, 20, .	3.4	16
33	Secondary contacts and genetic admixture shape colonization by an amphiatlantic epibenthic invertebrate. Evolutionary Applications, 2020, 13, 600-612.	3.3	21
34	Spatial genetic structure in a crustacean herbivore highlights the need for local considerations in Baltic Sea biodiversity management. Evolutionary Applications, 2020, 13, 974-990.	3.3	18
35	Evolving Inversions. Trends in Ecology and Evolution, 2019, 34, 239-248.	9.1	149
36	Factors affecting formation of adventitious branches in the seaweeds Fucus vesiculosus and F. radicans. BMC Ecology, 2019, 19, .	3.6	5

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37	Integrating experimental and distribution data to predict future species patterns. Scientific Reports, 2019, 9, .	3.7	47
38	Genomic architecture of parallel ecological divergence: Beyond a single environmental contrast. Science Advances, 2019, 5, .	11.3	72
39	Understanding and bridging the conservationâ€genetics gap in marine conservation. Conservation Biology, 2019, 33, 725-728.	5.0	25
40	Multiple chromosomal rearrangements in a hybrid zone between<i>Littorina saxatilis</i>ecotypes. Molecular Ecology, 2019, 28, 1375-1393.	3.9	76
41	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	37
42	Diet-dependent gene expression highlights the importance of Cytochrome P450 in detoxification of algal secondary metabolites in a marine isopod. Scientific Reports, 2018, 8, .	3.7	9
43	Population genomics of parallel evolution in gene expression and gene sequence during ecological adaptation. Scientific Reports, 2018, 8, .	3.7	10
44	Clines on the seashore: The genomic architecture underlying rapid divergence in the face of gene flow. Evolution Letters, 2018, 2, 297-309.	3.2	90
45	Oceanographic barriers to gene flow promote genetic subdivision of the tunicate Ciona intestinalis in a North Sea archipelago. Marine Biology, 2018, 165, .	1.6	12
46	The Baltic Sea as a time machine for the future coastal ocean. Science Advances, 2018, 4, .	11.3	343
47	Genetic diversity and evolution. , 2017, , 233-253.		7
48	Reciprocal transplants support a plasticity-first scenario during colonisation of a large hyposaline basin by a marine macro alga. BMC Ecology, 2017, 17, .	3.6	13
49	Genome architecture enables local adaptation of Atlantic cod despite high connectivity. Molecular Ecology, 2017, 26, 4452-4466.	3.9	113
50	A lifeâ€cycle approach to species barriers. Molecular Ecology, 2017, 26, 3321-3323.	3.9	0
51	Comparative mitogenomic analysis of three species of periwinkles: Littorina fabalis, L. obtusata and L. saxatilis. Marine Genomics, 2017, 32, 41-47.	1.4	12
52	Mechanisms of Adaptive Divergence and Speciation in Littorina saxatilis: Integrating Knowledge from Ecology and Genetics with New Data Emerging from Genomic Studies. Population Genomics, 2017, , 277-301.	0.0	16
53	Adaptation to dislodgement risk on wave-swept rocky shores in the snail Littorina saxatilis. PLoS ONE, 2017, 12, e0186901.	2.5	30
54	Transporting ideas between marine and social sciences: experiences from interdisciplinary research programs. Elementa, 2017, 5, .	3.6	4

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55	Divergence within and among Seaweed Siblings (Fucus vesiculosus and F. radicans) in the Baltic Sea. PLoS ONE, 2016, 11, e0161266.	2.5	31
56	Shared and nonshared genomic divergence in parallel ecotypes of <i><scp>L</scp>ittorina saxatilis</i> at a local scale. Molecular Ecology, 2016, 25, 287-305.	3.9	111
57	Non-random paternity of offspring in a highly promiscuous marine snail suggests postcopulatory sexual selection. Behavioral Ecology and Sociobiology, 2016, 70, 1357-1366.	1.6	15
58	DNA Extraction Protocols for Whole-Genome Sequencing in Marine Organisms. Methods in Molecular Biology, 2016, , 13-44.	0.0	44
59	A universal mechanism generating clusters of differentiated loci during divergence-with-migration. Evolution; International Journal of Organic Evolution, 2016, 70, 1609-1621.	2.0	25
60	What can be learnt from a snail?. Evolutionary Applications, 2016, 9, 153-165.	3.3	35
61	Complex spatial clonal structure in the macroalgae <i><scp>F</scp>ucus radicans</i> with both sexual and asexual recruitment. Ecology and Evolution, 2015, 5, 4233-4245.	2.0	26
62	No precopulatory inbreeding avoidance in the intertidal snailLittorina saxatilis. Journal of Molluscan Studies, 2015, , eyv035.	1.2	2
63	PARALLEL EVOLUTION OF LOCAL ADAPTATION AND REPRODUCTIVE ISOLATION IN THE FACE OF GENE FLOW. Evolution; International Journal of Organic Evolution, 2014, 68, 935-949.	2.0	138
64	Species and gene divergence in Littorina snails detected by array comparative genomic hybridization. BMC Genomics, 2014, 15, 687.	3.2	22
65	Genetic biodiversity in the Baltic Sea: species-specific patterns challenge management. Biodiversity and Conservation, 2013, 22, 3045-3065.	2.4	46
66	Preference of males for large females causes a partial mating barrier between a large and a small ecotype of Littorina fabalis (W. Turton, 1825). Journal of Molluscan Studies, 2013, 79, 128-132.	1.2	20
67	Snails and their trails: the multiple functions of trailâ€following in gastropods. Biological Reviews, 2013, 88, 683-700.	12.3	108
68	The Effect of Multiple Paternity on Genetic Diversity of Small Populations during and after Colonisation. PLoS ONE, 2013, 8, e75587.	2.5	21
69	Variable salinity tolerance in ascidian larvae is primarily a plastic response to the parental environment. Evolutionary Ecology, 2013, 28, 561-572.	1.6	22
70	The <i>Littorina</i> sequence database (LSD) â€" an online resource for genomic data. Molecular Ecology Resources, 2012, 12, 142-148.	4.8	15
71	Phenotypic variation in sexually and asexually recruited individuals of the Baltic Sea endemic macroalga Fucus radicans: in the field and after growth in a common-garden. BMC Ecology, 2012, 12, 2.	3.6	13
72	Glacial History of the North Atlantic Marine Snail, Littorina saxatilis, Inferred from Distribution of Mitochondrial DNA Lineages. PLoS ONE, 2011, 6, e17511.	2.5	81

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73	FREQUENT CLONALITY IN FUCOIDS (<i>FUCUS RADICANS</i> AND <i>FUCUS VESICULOSUS</i>; FUCALES,) Tj ETQq1 1 0.784314 rg BT	3.4	36
74	The Future of Baltic Sea Populations: Local Extinction or Evolutionary Rescue?. Ambio, 2011, 40, 179-190.	4.9	76
75	Are we analyzing speciation without prejudice?. Annals of the New York Academy of Sciences, 2010, 1206, 143-149.	4.5	13
76	Repeated evolution of reproductive isolation in a marine snail: unveiling mechanisms of speciation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 1735-1747.	4.1	131
77	Extreme Female Promiscuity in a Non-Social Invertebrate Species. PLoS ONE, 2010, 5, e9640.	2.5	50
78	Indiscriminate Males: Mating Behaviour of a Marine Snail Compromised by a Sexual Conflict?. PLoS ONE, 2010, 5, e12005.	2.5	27
79	Rapid speciation in a newly opened postglacial marine environment, the Baltic Sea. BMC Evolutionary Biology, 2009, 9, 70.	3.4	95
80	MALE DISCRIMINATION OF FEMALE MUCOUS TRAILS PERMITS ASSORTATIVE MATING IN A MARINE SNAIL SPECIES. Evolution; International Journal of Organic Evolution, 2008, 62, 3178-3184.	2.0	53
81	Genetic differentiation on multiple spatial scales in an ecotype-forming marine snail with limited dispersal: Littorina saxatilis. Biological Journal of the Linnean Society, 2008, 94, 31-40.	1.5	16
82	Microsatellite cross-species amplification in the genus Littorina and detection of null alleles in Littorina saxatilis. Journal of Molluscan Studies, 2008, 74, 111-117.	1.2	20
83	GENETIC STRUCTURE IN POPULATIONS OF <i>FUCUS VESICULOSUS</i> (PHAEOPHYCEAE) OVER SPATIAL SCALES FROM 10â€ƒM TO 800â€ƒKM¹. Journal of Phycology, 2007, 43, 675-685.	3.4	56
84	Inverting the null-hypothesis of speciation: a marine snail perspective. Evolutionary Ecology, 2007, 23, 5-16.	1.6	21
85	EVOLUTION OF ADAPTATION THROUGH ALLOMETRIC SHIFTS IN A MARINE SNAIL. Evolution; International Journal of Organic Evolution, 2006, 60, 2490-2497.	2.0	39
86	INVITED REVIEW: Life on the margin: genetic isolation and diversity loss in a peripheral marine ecosystem, the Baltic Sea. Molecular Ecology, 2006, 15, 2013-2029.	3.9	430
87	GENETIC AND MORPHOLOGICAL IDENTIFICATION OF FUCUS RADICANS SP. NOV. (FUCALES, PHAEOPHYCEAE) IN THE BRACKISH BALTIC SEA1.. Journal of Phycology, 2005, 41, 1025-1038.	3.4	92
88	COLONIZATION HISTORY OF THE BALTIC HARBOR SEALS: INTEGRATING ARCHAEOLOGICAL, BEHAVIORAL, AND GENETIC DATA. Marine Mammal Science, 2005, 21, 695-716.	1.9	20
89	Local adaptation but not geographical separation promotes assortative mating in a snail. Animal Behaviour, 2005, 70, 1209-1219.	2.0	66
90	Refuge function of marine algae complicates selection in an intertidal snail. Oecologia, 2005, 143, 402-411.	1.7	20

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91	Nonallopatric and parallel origin of local reproductive barriers between two snail ecotypes. Molecular Ecology, 2004, 13, 3415-3424.	3.9	96
92	Habitat-related genetic substructuring in a marine snail (Littorina fabalis) involving a tight link between an allozyme and a DNA locus. Biological Journal of the Linnean Society, 2004, 81, 301-306.	1.5	15
93	Island isolation and habitat heterogeneity correlate with DNA variation in a marine snail (Littorina) Tj ETQq1 1 0.784314 rgBT /Overlock	1.5	15
94	Evolution in Littorina: ecology matters. Journal of Sea Research, 2003, 49, 107-117.	2.6	106
95	Incidence of hemocytes and parasites in coastal populations of blue mussels (Mytilus edulis)â€”testing correlations with area, season, and distance to industrial plants. Journal of Invertebrate Pathology, 2002, 80, 22-28.	2.1	17
96	Selective predation favouring cryptic individuals of marine snails (Littorina). Biological Journal of the Linnean Society, 2002, 76, 137-144.	1.5	47
97	Parallel speciation: a key to sympatric divergence. Trends in Ecology and Evolution, 2001, 16, 148-153.	9.1	138
98	Symbiotic associations between anthozoans and crustaceans in a temperate coastal area. Marine Ecology - Progress Series, 2001, 209, 189-195.	1.9	26
99	HYBRID FITNESS SEEMS NOT TO BE AN EXPLANATION FOR THE PARTIAL REPRODUCTIVE ISOLATION BETWEEN ECOTYPES OF GALICIAN LITTORINA SAXATILIS. Journal of Molluscan Studies, 2000, 66, 149-156.	1.2	17
100	Digenetic trematodes in four species of<i>littorina</i>from the West Coast of Sweden. Ophelia, 2000, 53, 55-65.	0.5	27
101	Micro- and macrogeographic allozyme variation in Littorina fabalis; do sheltered and exposed forms hybridize?. Biological Journal of the Linnean Society, 1999, 67, 199-212.	1.5	5
102	Micro- and macrogeographic allozyme variation in Littorina fabalis ; do sheltered and exposed forms hybridize?. Biological Journal of the Linnean Society, 1999, 67, 199-212.	1.5	25
103	Size of mudsnails, Hydrobia ulvae (Pennant) and H. ventrosa (Montagu), in allopatry and sympatry: conclusions from field distributions and laboratory growth experiments. Journal of Experimental Marine Biology and Ecology, 1999, 239, 167-181.	1.7	13
104	Migratory differences between ecotypes of the snail Littorina saxatilis on Galician rocky shores. Evolutionary Ecology, 1998, 12, 913-924.	1.6	46
105	Evidence of a reproductive barrier between two forms of the marine periwinkle Littorina fabalis (Gastropoda). Biological Journal of the Linnean Society, 1998, 63, 349-365.	1.5	26
106	Allozyme Variation in a Snail (Littorina saxatilis)-Deconfounding the Effects of Microhabitat and Gene Flow. Evolution; International Journal of Organic Evolution, 1997, 51, 402.	2.0	34
107	THE MAINTENANCE OF A CLINE IN THE MARINE SNAIL<i>LITTORINA SAXATILIS:</i>THE ROLE OF HOME SITE ADVANTAGE AND HYBRID FITNESS. Evolution; International Journal of Organic Evolution, 1997, 51, 1838-1847.	2.0	93
108	ALLOZYME VARIATION IN A SNAIL (<i>LITTORINA SAXATILIS</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td ()-DECONFOUNDING THE E Organic Evolution, 1997, 51, 402-409.	2.0	46

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109	The Maintenance of a Cline in the Marine Snail Littorina saxatilis: The Role of Home Site Advantage and Hybrid Fitness. Evolution; International Journal of Organic Evolution, 1997, 51, 1838.	2.0	88
110	Shell colour variation in Littorina saxatilis Olivi (Prosobranchia: Littorinidae): a multi-factor approach. Biological Journal of the Linnean Society, 1997, 62, 401-419.	1.5	9
111	Growth rate differences between upper and lower shore ecotypes of the marine snail Littorina saxatilis (Olivi) (Gastropoda). Biological Journal of the Linnean Society, 1997, 61, 267-279.	1.5	19
112	Differentiation in radular and embryonic characters, and further comments on gene flow, between two sympatric morphs ofLittorina saxatilis(Olivi). Ophelia, 1996, 45, 1-15.	0.5	38
113	INCIPIENT REPRODUCTIVE ISOLATION BETWEEN TWO SYMPATRIC MORPHS OF THE INTERTIDAL SNAIL<i>LITTORINA SAXATILIS</i>. Evolution; International Journal of Organic Evolution, 1995, 49, 1180-1190.	2.0	98
114	Frequency- and density-dependent sexual selection in natural populations of Galician Littorina saxatilis Olivi. Hydrobiologia, 1995, 309, 167-172.	2.0	17
115	Dispersal and population expansion in a direct developing marine snail (Littorina saxatilis) following a severe population bottleneck. Hydrobiologia, 1995, 309, 173-180.	2.0	28
116	Incipient Reproductive Isolation between Two Sympatric Morphs of the Intertidal Snail Littorina saxatilis. Evolution; International Journal of Organic Evolution, 1995, 49, 1180.	2.0	88
117	Dispersal and population expansion in a direct developing marine snail (Littorina saxatilis) following a severe population bottleneck. , 1995, , 173-180.		5
118	Sexual selection on female size in a marine snail, Littorina littorea (L.). Journal of Experimental Marine Biology and Ecology, 1994, 181, 145-157.	1.7	58
119	Habitat related allozyme variation on a microgeographic scale in the marine snail Littorina mariae (Prosobranchia: Littorinacea). Biological Journal of the Linnean Society, 1994, 53, 105-125.	1.5	31
120	Morphological Differentiation and Genetic Cohesiveness Over a Microenvironmental Gradient in the Marine Snail Littorina saxatilis. Evolution; International Journal of Organic Evolution, 1993, 47, 1770.	2.0	99
121	MORPHOLOGICAL DIFFERENTIATION AND GENETIC COHESIVENESS OVER A MICROENVIRONMENTAL GRADIENT IN THE MARINE SNAIL<i>LITTORINA SAXATILIS</i>. Evolution; International Journal of Organic Evolution, 1993, 47, 1770-1787.	2.0	105
122	Resources for Long Distance Migration: Intertidal Exploitation of Littorina and Mytilus by Knots Calidris Canutus in Iceland. Oikos, 1992, 65, 179.	2.7	45
123	Genetic variability and large scale differentiation in two species of littorinid gastropods with planktotrophic development, Littorina littorea (L.) and Melarhaphe (Littorina) neritoides (L.) (Prosobranchia: Littorinacea), with notes on a mass occurrence. Biological Journal of the Linnean Society, 1992, 47, 285-299.	1.5	38
124	Estimating the phylogeny in mollusc Littorina saxatilis (Olivi) from enzyme data: methodological considerations. Hydrobiologia, 1990, 193, 29-40.	2.0	8
125	Littorina neglecta Bean, a morphological form within the variable species Littorina saxatilis (Olivi)?. Hydrobiologia, 1990, 193, 71-87.	2.0	27
126	Genetic variation within Littorina saxatilis (Olivi) and Littorina neglecta Bean: Is L. neglecta a good species?. Hydrobiologia, 1990, 193, 89-97.	2.0	35

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127	Rapid colonization of Belgian breakwaters by the direct developer, Littorina saxatilis (Olivi) (Prosobranchia, Mollusca). Hydrobiologia, 1990, 193, 99-108.	2.0	38
128	Rapid colonization of Belgian breakwaters by the direct developer, Littorina saxatilis (Olivi) (Prosobranchia, Mollusca). , 1990, , 99-108.		11
129	Genetic variation within Littorina saxatilis (Olivi) and Littorina neglecta Bean: Is L. neglecta a good species ?. , 1990, , 89-97.		3
130	Low genetic variability in Scandinavian populations of Ostrea edulis L. - possible causes and implications. Journal of Experimental Marine Biology and Ecology, 1989, 128, 177-190.	1.7	13
131	Differences in allele frequencies of <i>Aat</i> between high- and mid-rocky shore populations of <i>Littorina saxatilis</i> (Olivi) suggest selection in this enzyme locus. Genetical Research, 1989, 54, 7-12.	1.8	50
132	The Bare Zone of Swedish Rocky Shores: Why Is It There?. Oikos, 1989, 54, 77.	2.7	52
133	Inversions and Evolution. , 0, , 1-9.		1