

Gabriele Gerlach

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

3,577
citations

218677

26
h-index

144013

57
g-index

59
all docs

59
docs citations

59
times ranked

4450
citing authors

#	ARTICLE	IF	CITATIONS
1	The behaviour and ecology of the zebrafish, <i>Danio rerio</i> . <i>Biological Reviews</i> , 2008, 83, 13-34.	10.4	850
2	Smelling home can prevent dispersal of reef fish larvae. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 858-863.	7.1	380
3	Calculations of population differentiation based on <i>G_{ST}</i> and <i>D</i> : forget <i>G_{ST}</i> but not all of statistics!. <i>Molecular Ecology</i> , 2010, 19, 3845-3852.	3.9	299
4	Fragmentation of Landscape as a Cause for Genetic Subdivision in Bank Voles. <i>Conservation Biology</i> , 2000, 14, 1066-1074.	4.7	230
5	Kin recognition and inbreeding avoidance in zebrafish, <i>Danio rerio</i> , is based on phenotype matching. <i>Animal Behaviour</i> , 2006, 71, 1371-1377.	1.9	158
6	Molecular Phylogeny of European Muroid Rodents Based on Complete Cytochrome b Sequences. <i>Molecular Phylogenetics and Evolution</i> , 2000, 16, 37-47.	2.7	138
7	Kin recognition in zebrafish: a 24-hour window for olfactory imprinting. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 2165-2170.	2.6	121
8	Kin-structured subpopulations in Eurasian perch (<i>Perca fluviatilis</i> L.). <i>Heredity</i> , 2001, 86, 213-221.	2.6	92
9	Reef Odor: A Wake Up Call for Navigation in Reef Fish Larvae. <i>PLoS ONE</i> , 2013, 8, e72808.	2.5	91
10	Pheromonal regulation of reproductive success in female zebrafish: female suppression and male enhancement. <i>Animal Behaviour</i> , 2006, 72, 1119-1124.	1.9	85
11	Broadcast Spawning by Pocillopora Species on the Great Barrier Reef. <i>PLoS ONE</i> , 2012, 7, e50847.	2.5	68
12	Emigration mechanisms in feral house mice - a laboratory investigation of the influence of social structure, population density, and aggression. <i>Behavioral Ecology and Sociobiology</i> , 1996, 39, 159-170.	1.4	67
13	Sun Compass Orientation Helps Coral Reef Fish Larvae Return to Their Natal Reef. <i>PLoS ONE</i> , 2013, 8, e66039.	2.5	67
14	Kin and population recognition in sympatric Lake Constance perch (<i>Perca fluviatilis</i> L.): can assortative shoaling drive population divergence?. <i>Behavioral Ecology and Sociobiology</i> , 2006, 59, 461-468.	1.4	61
15	Social Interaction and Distribution of Female Zebrafish (<i>Danio rerio</i>) in a Large Aquarium. <i>Biological Bulletin</i> , 2002, 203, 240-241.	1.8	55
16	Benefits of kin association: related and familiar zebrafish larvae (<i>Danio rerio</i>) show improved growth. <i>Behavioral Ecology and Sociobiology</i> , 2007, 61, 1765-1770.	1.4	54
17	Identification of accessory olfactory system and medial amygdala in the zebrafish. <i>Scientific Reports</i> , 2017, 7, 44295.	3.3	53
18	Crypt cells are involved in kin recognition in larval zebrafish. <i>Scientific Reports</i> , 2016, 6, 24590.	3.3	52

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19	A magnetic compass that might help coral reef fish larvae return to their natal reef. <i>Current Biology</i> , 2016, 26, R1266-R1267.	3.9	51
20	Dispersal mechanisms in a captive wild house mouse population (<i>Mus domesticus</i> Ratty). <i>Biological Journal of the Linnean Society</i> , 1990, 41, 271-277.	1.6	48
21	Reproductive skew, costs, and benefits of cooperative breeding in female wood mice (<i>Apodemus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 142 Td	2.2	48
22	<i>Demerelate</i>: calculating interindividual relatedness for kinship analysis based on codominant diploid genetic markers using R. <i>Molecular Ecology Resources</i> , 2017, 17, 1371-1377.	4.8	48
23	Tactical Release of a Sexually-Selected Pheromone in a Swordtail Fish. <i>PLoS ONE</i> , 2011, 6, e16994.	2.5	38
24	Olfactory imprinting is triggered by MHC peptide ligands. <i>Scientific Reports</i> , 2013, 3, 2800.	3.3	32
25	Kin recognition in zebrafish, <i>Danio rerio</i> , is based on imprinting on olfactory and visual stimuli. <i>Animal Behaviour</i> , 2013, 85, 925-930.	1.9	29
26	Multiple Paternity and Similar Variance in Reproductive Success of Male and Female Wood Mice (<i>Apodemus sylvaticus</i>) Housed in an Enclosure. <i>Ethology</i> , 2001, 107, 889-899.	1.1	27
27	Characterization of EST derived SSRs from the bay scallop, <i>Argopecten irradians</i> . <i>Molecular Ecology Notes</i> , 2005, 5, 567-568.	1.7	27
28	Characterization and isolation of DNA microsatellite primers in wood mice (<i>Apodemus sylvaticus</i> ,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td	3.9	25
29	Humic Acid Interferes with Species Recognition in Zebrafish (<i>Danio rerio</i>). <i>Journal of Chemical Ecology</i> , 2007, 33, 2090-2096.	1.8	24
30	Behavioural and neuronal basis of olfactory imprinting and kin recognition in larval fish. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	24
31	Multi-year presence of humpback whales in the Atlantic sector of the Southern Ocean but not during El Niño. <i>Communications Biology</i> , 2021, 4, 790.	4.4	20
32	Conservation Genetics of Remnant Coastal Brook Trout Populations at the Southern Limit of Their Distribution: Population Structure and Effects of Stocking. <i>Transactions of the American Fisheries Society</i> , 2012, 141, 1399-1410.	1.4	17
33	Neural pathways of olfactory kin imprinting and kin recognition in zebrafish. <i>Cell and Tissue Research</i> , 2021, 383, 273-287.	2.9	17
34	Characterization and isolation of DNA microsatellite primers in the spiny dogfish (<i>Squalus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td	1.7	15
35	Population structuring in the monogonont rotifer <i><sc>S</sc>yngaeta pectinata</i>: high genetic divergence on a small geographical scale. <i>Freshwater Biology</i> , 2015, 60, 1364-1378.	2.4	15
36	Functional trait dimensions of trophic metacommunities. <i>Ecography</i> , 2021, 44, 1486-1500.	4.5	15

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37	Large-scale spatial variabilities in the humpback whale acoustic presence in the Atlantic sector of the Southern Ocean. <i>Royal Society Open Science</i> , 2020, 7, 201347.	2.4	15
38	Influence of Kinship and MHC Class II Genotype on Visual Traits in Zebrafish Larvae (<i>Danio rerio</i>). <i>PLoS ONE</i> , 2012, 7, e51182.	2.5	14
39	Species status and population structure of mussels (Mollusca: Bivalvia: <i>Mytilus</i> spp.) in the Wadden Sea of Lower Saxony (Germany). <i>Organisms Diversity and Evolution</i> , 2012, 12, 387-402.	1.6	10
40	Humpback whale song recordings suggest common feeding ground occupation by multiple populations. <i>Scientific Reports</i> , 2021, 11, 18806.	3.3	10
41	No Olfactory Recognition of Shell Disease in American Lobsters, <i>Homarus americanus</i> . <i>Journal of Shellfish Research</i> , 2012, 31, 527-532.	0.9	8
42	Cryptic species of cardinalfish with evidence for old and new divergence. <i>Coral Reefs</i> , 2016, 35, 437-450.	2.2	8
43	Characterization and isolation of DNA microsatellite primers in hyrax species (<i>Procavia</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 50	3.9	7
44	Characterization and isolation of DNA microsatellite primers in the cardinalfish (<i>Apogon</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (c	1.7	7
45	How stable are the reef odor preferences of settling reef fish larvae?. <i>Marine and Freshwater Behaviour and Physiology</i> , 2011, 44, 133-141.	0.9	7
46	The possible significance of interactions between soluble proteins in skeletal muscle. <i>Biochemical Society Transactions</i> , 1987, 15, 982-984.	3.4	6
47	Characterization of SSRs from the American lobster, <i>Homarus americanus</i> . <i>Molecular Ecology Notes</i> , 2007, 7, 330-332.	1.7	6
48	Physiology of juvenile hydroids - High food availability mitigates stress responses of <i>Hydractinia echinata</i> to increasing seawater temperatures. <i>Journal of Experimental Marine Biology and Ecology</i> , 2018, 508, 64-72.	1.5	6
49	Impact of cyclones on hard coral and metapopulation structure, connectivity and genetic diversity of coral reef fish. <i>Coral Reefs</i> , 2021, 40, 999-1011.	2.2	6
50	Endless skies and open seas – how birds and fish navigate. <i>Neuroforum</i> , 2021, 27, 127-139.	0.3	5
51	DNA microsatellites in the neon damselfish (<i>Pomacentrus coelestis</i>). <i>Molecular Ecology Notes</i> , 2005, 5, 424-426.	1.7	4
52	Shell disease in <i>Crangon crangon</i> (Linnaeus, 1758): The interaction of temperature and stress response. <i>Journal of Experimental Marine Biology and Ecology</i> , 2018, 500, 105-111.	1.5	4
53	Chemical signals and kin biased behaviour. , 2012, , 57-71.		4
54	DNA microsatellites in <i>Acanthochromis polyacanthus</i> . <i>Molecular Ecology Notes</i> , 2005, 5, 841-843.	1.7	3

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55	Characterization of new SSR-EST markers in cod, <i>Gadus morhua</i> . <i>Molecular Ecology Notes</i> , 2007, 7, 866-867.	1.7	2
56	Shell disease does not affect biochemical profiles of the North Sea brown shrimp <i>Crangon crangon</i> . <i>Diseases of Aquatic Organisms</i> , 2020, 141, 117-126.	1.0	2
57	Diminished growth and vitality in juvenile <i>Hydractinia echinata</i> under anticipated future temperature and variable nutrient conditions. <i>Scientific Reports</i> , 2021, 11, 7483.	3.3	1
58	Sperm Load Impact on Female Courtship Behavior in the American Lobster (<i>Homarus americanus</i>). <i>Biological Bulletin</i> , 2004, 207, 155-155.	1.8	1