

# Gernot Segelbacher

## List of Publications by Year in descending order

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Version: 2024-02-01

114  
papers

4,963  
citations

109321

35  
h-index

110387

64  
g-index

119  
all docs

119  
docs citations

119  
times ranked

6162  
citing authors

#	ARTICLE	IF	CITATIONS
1	New developments in the field of genomic technologies and their relevance to conservation management. <i>Conservation Genetics</i> , 2022, 23, 217-242.	1.5	26
2	Multilateral benefit-sharing from digital sequence information will support both science and biodiversity conservation. <i>Nature Communications</i> , 2022, 13, 1086.	12.8	34
3	The Coalition for Conservation Genetics: Working across organizations to build capacity and achieve change in policy and practice. <i>Conservation Science and Practice</i> , 2022, 4, .	2.0	17
4	Bringing together approaches to reporting on within species genetic diversity. <i>Journal of Applied Ecology</i> , 2022, 59, 2227-2233.	4.0	24
5	Effective population size remains a suitable, pragmatic indicator of genetic diversity for all species, including forest trees. <i>Biological Conservation</i> , 2021, 253, 108906.	4.1	32
6	eDNA Detection of Native and Invasive Crayfish Species Allows for Year-Round Monitoring and Large-Scale Screening of Lotic Systems. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	26
7	Macrogenetic studies must not ignore limitations of genetic markers and scale. <i>Ecology Letters</i> , 2021, 24, 1282-1284.	6.4	27
8	Authors' Reply to Letter to the Editor: Continued improvement to genetic diversity indicator for CBD. <i>Conservation Genetics</i> , 2021, 22, 533-536.	1.5	18
9	Global Commitments to Conserving and Monitoring Genetic Diversity Are Now Necessary and Feasible. <i>BioScience</i> , 2021, 71, 964-976.	4.9	96
10	Seasonal Trends in Movement Patterns of Birds and Insects Aloft Simultaneously Recorded by Radar. <i>Remote Sensing</i> , 2021, 13, 1839.	4.0	7
11	Charting a course for genetic diversity in the UN Decade of Ocean Science. <i>Evolutionary Applications</i> , 2021, 14, 1497-1518.	3.1	19
12	Opportunities and challenges of macrogenetic studies. <i>Nature Reviews Genetics</i> , 2021, 22, 791-807.	16.3	55
13	Genetic diversity is considered important but interpreted narrowly in country reports to the Convention on Biological Diversity: Current actions and indicators are insufficient. <i>Biological Conservation</i> , 2021, 261, 109233.	4.1	65
14	Post-2020 goals overlook genetic diversity. <i>Science</i> , 2020, 367, 1083-1085.	12.6	132
15	On the relative importance of ecology and geographic isolation as drivers for differentiation of call types of red crossbill <i>Loxia curvirostra</i> in the Palearctic. <i>Journal of Avian Biology</i> , 2020, 51, .	1.2	4
16	Genetic diversity targets and indicators in the CBD post-2020 Global Biodiversity Framework must be improved. <i>Biological Conservation</i> , 2020, 248, 108654.	4.1	285
17	Evaluating the effectiveness of retention forestry to enhance biodiversity in production forests of Central Europe using an interdisciplinary, multi-scale approach. <i>Ecology and Evolution</i> , 2020, 10, 1489-1509.	1.9	56
18	The evolutionary history and genomics of European blackcap migration. <i>ELife</i> , 2020, 9, .	6.0	57

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19	Conservation genetics: Linking science with practice. <i>Molecular Ecology</i> , 2019, 28, 3848-3856.	3.9	76
20	Optimizing sampling of flying insects using a modified window trap. <i>Methods in Ecology and Evolution</i> , 2019, 10, 1820-1825.	5.2	33
21	New insights into population structure of the European golden eagle ( <i>Aquila chrysaetos</i> ) revealed by microsatellite analysis. <i>Biological Journal of the Linnean Society</i> , 2019, 128, 611-631.	1.6	12
22	Parasites in space and time: a case study of haemosporidian spatiotemporal prevalence in urban birds. <i>International Journal for Parasitology</i> , 2019, 49, 235-246.	3.1	26
23	Delimitation of call types of Red Crossbill ( <i>Loxia curvirostra</i> ) in the Western Palearctic. <i>Ecoscience</i> , 2019, 26, 177-194.	1.4	6
24	“Intentional Genetic Manipulation” as a conservation threat. <i>Conservation Genetics Resources</i> , 2019, 11, 237-247.	0.8	16
25	A framework for prioritizing areas for conservation in tropical montane cloud forests. <i>Ecoscience</i> , 2018, 25, 97-108.	1.4	8
26	Next-generation conservation genetics and biodiversity monitoring. <i>Evolutionary Applications</i> , 2018, 11, 1029-1034.	3.1	43
27	Projected impacts of climate change on habitat availability for an endangered parakeet. <i>PLoS ONE</i> , 2018, 13, e0191773.	2.5	20
28	Do large carnivores use riparian zones? Ecological implications for forest management. <i>Forest Ecology and Management</i> , 2017, 402, 157-165.	3.2	13
29	Is It Time for Synthetic Biodiversity Conservation?. <i>Trends in Ecology and Evolution</i> , 2017, 32, 97-107.	8.7	129
30	Decline in territory size and fecundity as a response to carrying capacity in an endangered songbird. <i>Oecologia</i> , 2017, 183, 597-606.	2.0	10
31	Landscape Genomics: Understanding Relationships Between Environmental Heterogeneity and Genomic Characteristics of Populations. <i>Population Genomics</i> , 2017, , 261-322.	0.5	46
32	Crossing the Rhine: a potential barrier to wildcat ( <i>Felis silvestris silvestris</i> ) movement?. <i>Conservation Genetics</i> , 2016, 17, 1435-1444.	1.5	7
33	Stable isotope ratios in alpine rock ptarmigan and black grouse sampled along a precipitation gradient. <i>Basic and Applied Ecology</i> , 2016, 17, 648-658.	2.7	1
34	Forests of opportunities and mischief: disentangling the interactions between forests, parasites and immune responses. <i>International Journal for Parasitology</i> , 2016, 46, 571-579.	3.1	23
35	Reply to Garner et al.. <i>Trends in Ecology and Evolution</i> , 2016, 31, 83-84.	8.7	24
36	Avian haemosporidian parasites in an urban forest and their relationship to bird size and abundance. <i>Urban Ecosystems</i> , 2016, 19, 331-346.	2.4	32

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37	Limited Dispersal and Significant Fine - Scale Genetic Structure in a Tropical Montane Parrot Species. PLoS ONE, 2016, 11, e0169165.	2.5	13
38	Mitochondrial DNA analysis reveals Holarctic homogeneity and a distinct Mediterranean lineage in the Golden eagle ( <i>Aquila chrysaetos</i> ). Biological Journal of the Linnean Society, 2015, 116, 328-340.	1.6	23
39	Spatial Isolation and Temporal Variation in Fitness and Condition Facilitate Divergence in a Migratory Divide. PLoS ONE, 2015, 10, e0144264.	2.5	4
40	Effects of habitat management can vary over time during the recovery of an endangered bird species. Biological Conservation, 2015, 192, 154-160.	4.1	10
41	Genomics and the challenging translation into conservation practice. Trends in Ecology and Evolution, 2015, 30, 78-87.	8.7	469
42	Interactions between a Candidate Gene for Migration (ADCYAP1), Morphology and Sex Predict Spring Arrival in Blackcap Populations. PLoS ONE, 2015, 10, e0144587.	2.5	16
43	Noninvasive genetic sampling allows estimation of capercaillie numbers and population structure in the Bohemian Forest. European Journal of Wildlife Research, 2014, 60, 789-801.	1.4	22
44	Comparative evaluation of potential indicators and temporal sampling protocols for monitoring genetic erosion. Evolutionary Applications, 2014, 7, 984-998.	3.1	102
45	Urban forests as hubs for novel zoonosis: blood meal analysis, seasonal variation in Culicoides (Diptera: Ceratopogonidae) vectors, and avian haemosporidians " CORRIGENDUM. Parasitology, 2014, 141, 1354-1354.	1.5	0
46	Isolation of 13 tetranucleotide microsatellite loci in the Rock Bunting (Emberiza cia). Conservation Genetics Resources, 2014, 6, 597-599.	0.8	2
47	Gene flow and immigration: genetic diversity and population structure of lions (Panthera leo) in Hwange National Park, Zimbabwe. Conservation Genetics, 2014, 15, 697-706.	1.5	14
48	Analyses of historical and current populations of black grouse in Central Europe reveal strong effects of genetic drift and loss of genetic diversity. Conservation Genetics, 2014, 15, 1183-1195.	1.5	21
49	Genetic depletion at adaptive but not neutral loci in an endangered bird species. Molecular Ecology, 2014, 23, 5712-5725.	3.9	45
50	Development of 12 microsatellite loci for the endangered Pale-headed Brushfinch (Atlapetes Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 2014, 155, 835-839.	1.1	4
51	Genetic Consequences of Forest Fragmentation for a Highly Specialized Arboreal Mammal - the Edible Dormouse. PLoS ONE, 2014, 9, e88092.	2.5	31
52	Haemosporidian parasitism in the blackcap <i>Sylvia atricapilla</i> in relation to spring arrival and body condition. Journal of Avian Biology, 2013, 44, 521-530.	1.2	35
53	Reproductive success depends on the quality of helpers in the endangered, cooperative <i>E</i> <i>l</i> <i>o</i> <i>r</i> o parakeet ( <i>P</i> <i>o</i> <i>r</i> rhura orcesi). Molecular Ecology, 2013, 22, 2011-2027.	3.9	17
54	Conservation Genetic Resources for Effective Species Survival (ConGRESS): Bridging the divide between conservation research and practice. Journal for Nature Conservation, 2013, 21, 433-437.	1.8	32

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55	Microsatellite variation in Rufous Hummingbirds ( <i>Selasphorus rufus</i> ) and evidence for a weakly structured population. <i>Journal of Ornithology</i> , 2013, 154, 1029-1037.	1.1	6
56	Lessons learned from microsatellite development for nonmodel organisms using 454 pyrosequencing. <i>Journal of Evolutionary Biology</i> , 2013, 26, 600-611.	1.7	73
57	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 October 2012–30 November 2012. <i>Molecular Ecology Resources</i> , 2013, 13, 341-343.	4.8	33
58	Potential barriers to gene flow in the endangered European wildcat ( <i>Felis silvestris</i> ). <i>Conservation Genetics</i> , 2013, 14, 413-426.	1.5	41
59	Bringing genetic diversity to the forefront of conservation policy and management. <i>Conservation Genetics Resources</i> , 2013, 5, 593-598.	0.8	145
60	Individual differences in migratory behavior shape population genetic structure and microhabitat choice in sympatric blackcaps ( <i>Sylvia atricapilla</i> ). <i>Ecology and Evolution</i> , 2013, 3, 4278-4289.	1.9	20
61	Urban forests as hubs for novel zoonosis: blood meal analysis, seasonal variation in <i>Culicoides</i> (Diptera: Ceratopogonidae) vectors, and avian haemosporidians. <i>Parasitology</i> , 2013, 140, 1799-1810.	1.5	63
62	Contrasting Patterns of Genetic Differentiation among Blackcaps ( <i>Sylvia atricapilla</i> ) with Divergent Migratory Orientations in Europe. <i>PLoS ONE</i> , 2013, 8, e81365.	2.5	29
63	Pronounced genetic structure and low genetic diversity in European red-billed chough ( <i>Pyrrhocorax</i> )	1.5	25
64	Can balancing selection on MHC loci counteract genetic drift in small fragmented populations of black grouse?. <i>Ecology and Evolution</i> , 2012, 2, 341-353.	1.9	56
65	Extra-pair paternity in seabirds: a review and case study of Thin-billed Prions <i>Pachyptila belcheri</i> . <i>Journal of Ornithology</i> , 2012, 153, 367-373.	1.1	14
66	Amplification success of multilocus genotypes from feathers found in the field compared with feathers obtained from shot birds. <i>Ibis</i> , 2012, 154, 15-20.	1.9	16
67	Bloodmeal Analysis Reveals Avian Plasmodium Infections and Broad Host Preferences of <i>Culicoides</i> (Diptera: Ceratopogonidae) Vectors. <i>PLoS ONE</i> , 2012, 7, e31098.	2.5	87
68	Prevalence, diversity, and interaction patterns of avian haemosporidians in a four-year study of blackcaps in a migratory divide. <i>Parasitology</i> , 2011, 138, 824-835.	1.5	38
69	Genetic analysis of differentiation among breeding ponds reveals a candidate gene for local adaptation in <i>Rana arvalis</i> . <i>Molecular Ecology</i> , 2011, 20, 1582-1600.	3.9	37
70	Genetic structure among black grouse in Britain: implications for designing conservation units. <i>Animal Conservation</i> , 2011, 14, 400-408.	2.9	22
71	The bacterial microbiota in the ceca of Capercaillie ( <i>Tetrao urogallus</i> ) differs between wild and captive birds. <i>Systematic and Applied Microbiology</i> , 2011, 34, 542-551.	2.8	106
72	Genetic variation in Black Grouse populations with different lekking systems in the Czech Republic. <i>Journal of Ornithology</i> , 2011, 152, 37-44.	1.1	9

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73	Isolation and characterisation of 17 microsatellite loci for the red-billed chough ( <i>Pyrrhocorax</i> ). <i>Molecular Ecology Resources</i> , 2008, 8, 107-112.	0.8	8
74	The high Andes, gene flow and a stable hybrid zone shape the genetic structure of a wide-ranging South American parrot. <i>Frontiers in Zoology</i> , 2011, 8, 16.	2.0	37
75	Extrapair paternity in a German population of the Northern Wheatear ( <i>Oenanthe oenanthe</i> ). <i>Journal of Ornithology</i> , 2010, 151, 491-498.	1.1	5
76	Applications of landscape genetics in conservation biology: concepts and challenges. <i>Conservation Genetics</i> , 2010, 11, 375-385.	1.5	356
77	Modelling functional landscape connectivity from genetic population structure: a new spatially explicit approach. <i>Molecular Ecology</i> , 2010, 19, 3664-3678.	3.9	57
78	Permanent Genetic Resources added to the Molecular Ecology Resources Database 1 February 2010–31 March 2010. <i>Molecular Ecology Resources</i> , 2010, 10, 751-754.	4.8	35
79	Contemporary Evolution of Reproductive Isolation and Phenotypic Divergence in Sympatry along a Migratory Divide. <i>Current Biology</i> , 2009, 19, 2097-2101.	3.9	152
80	Isolation of tetranucleotide microsatellite loci in the burrowing parrot ( <i>Cyanoliseus patagonus</i> ). <i>Journal of Ornithology</i> , 2009, 150, 921-924.	1.1	8
81	Ecological genomics and conservation: where do we stand?. <i>Genetica</i> , 2009, 136, 387-390.	1.1	7
82	Radical loss of an extreme extra-pair mating system. <i>BMC Ecology</i> , 2009, 9, 15.	3.0	67
83	Perspectives and challenges in landscape genetics. <i>Molecular Ecology</i> , 2009, 18, 1821-1822.	3.9	26
84	Islands in the ice: colonisation routes for rock ptarmigan to the Svalbard archipelago. <i>Ecography</i> , 2009, 32, 840-848.	4.5	17
85	Frequent non-reciprocal exchange in microsatellite-containing-DNA-regions of vertebrates. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2009, 47, 15-20.	1.4	3
86	Isolation of ten tetranucleotide microsatellite loci in the Northern Wheatear ( <i>Oenanthe oenanthe</i> ). <i>Molecular Ecology Resources</i> , 2008, 8, 222-227.	4.8	22
87	Eight microsatellite loci characterised in the European blackbird, <i>Turdus merula</i> . <i>Journal of Ornithology</i> , 2008, 149, 131-133.	1.1	4
88	Genetic impoverishment of the last black grouse ( <i>Tetrao tetrix</i> ) population in the Netherlands: detectable only with a reference from the past. <i>Molecular Ecology</i> , 2008, 17, 1897-1904.	3.9	38
89	Temporal and spatial analyses disclose consequences of habitat fragmentation on the genetic diversity in capercaillie ( <i>Tetrao urogallus</i> ). <i>Molecular Ecology</i> , 2008, 17, 2356-2367.	3.9	63
90	Isolation of 10 tetranucleotide microsatellite loci in the blackcap ( <i>Sylvia atricapilla</i> ). <i>Molecular Ecology Resources</i> , 2008, 8, 1108-1110.	4.8	9

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91	Female genetic heterogeneity affects the reproduction of great tits ( <i>Parus major</i> L., 1758) in low-quality woodlands. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2007, 45, 144-150.	1.4	13
92	Genetic variation and differentiation in captive and wild zebra finches ( <i>Taeniopygia guttata</i> ). <i>Molecular Ecology</i> , 2007, 16, 4039-4050.	3.9	156
93	Genetic differentiation of an endangered capercaillie ( <i>Tetrao urogallus</i> ) population at the Southern edge of the species range. <i>Conservation Genetics</i> , 2007, 8, 659-670.	1.5	53
94	Kin groups in closely spaced capercaillie leks. <i>Journal of Ornithology</i> , 2007, 148, 79-84.	1.1	19
95	Male and female contributions to provisioning rates of thin-billed prions, <i>Pachyptila belcheri</i> , in the South Atlantic. <i>Journal of Ornithology</i> , 2007, 148, 367-372.	1.1	22
96	Phylogeography of the European capercaillie ( <i>Tetrao urogallus</i> ) and its implications for conservation. <i>Journal Fur Ornithologie</i> , 2007, 148, 269-274.	1.2	27
97	Genetic variability in European black grouse ( <i>Tetrao tetrix</i> ). <i>Conservation Genetics</i> , 2006, 8, 239-243.	1.5	27
98	Sex ratio of <i>Parus major</i> and <i>P. caeruleus</i> broods depends on parental condition and habitat quality. <i>Oikos</i> , 2005, 109, 367-373.	2.7	36
99	Extra-pair young despite strong pair bonds in the European Nuthatch ( <i>Sitta europaea</i> ). <i>Journal Fur Ornithologie</i> , 2005, 146, 99-102.	1.2	8
100	Two grouse clutches in the same nest: evidence for nest site adoption in capercaillie ( <i>Tetrao</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Jf 50 382	1.2	5
101	High Genetic Variability of Esterase Loci in Natural Populations of <i>Parus major</i> , <i>P. caeruleus</i> , and <i>P. ater</i> . <i>Biochemical Genetics</i> , 2004, 42, 109-119.	1.7	2
102	From connectivity to isolation: genetic consequences of population fragmentation in capercaillie across Europe. <i>Molecular Ecology</i> , 2003, 12, 1773-1780.	3.9	142
103	Genetic structure of kestrel populations and colonization of the Cape Verde archipelago. <i>Molecular Ecology</i> , 2003, 12, 2145-2151.	3.9	40
104	Genetic evidence of capercaillie ( <i>Tetrao urogallus</i> ) dispersal sources and sinks in the Alps. <i>Wildlife Biology</i> , 2003, 9, 267-273.	1.4	22
105	Sex-specific recombination rates in <i>Parus major</i> and <i>P. caeruleus</i> , an exception to Huxley's rule. <i>Hereditas</i> , 2003, 139, 199-205.	1.4	9
106	Microsatellite variation in a Chinese grouse <i>Bonasa sewerzowii</i> population: signs of genetic impoverishment?. <i>Wildlife Biology</i> , 2003, 9, 261-266.	1.4	2
107	Capercaillie in the Alps: genetic evidence of metapopulation structure and population decline. <i>Molecular Ecology</i> , 2002, 11, 1669-1677.	3.9	75
108	Noninvasive genetic analysis in birds: testing reliability of feather samples. <i>Molecular Ecology Notes</i> , 2002, 2, 367-369.	1.7	74

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109	Characterization of microsatellites in capercaillie <i>Tetrao urogallus</i> (AVES). <i>Molecular Ecology</i> , 2000, 9, 1934-1935.	3.9	90
110	Genetic correlates of spatial population structure in central European capercaillie <i>Tetrao urogallus</i> and black grouse <i>T. tetrix</i> : a project in progress. <i>Wildlife Biology</i> , 2000, 6, 305-310.	1.4	40
111	Dinucleotide microsatellite loci for <i>Andrena vaga</i> and other andrenid bees from non-enriched and CT-enriched libraries. <i>Molecular Ecology</i> , 2000, 9, 2189-2192.	3.9	0
112	Year-round monitoring and large-scale screening of native and invasive crayfishes in lotic systems. <i>ARPHA Conference Abstracts</i> , 0, 4, .	0.0	0
113	Effects of forest fragmentation on the morphological and genetic structure of a dispersal-limited, endangered bird species. <i>Nature Conservation</i> , 0, 16, 39-58.	0.0	16
114	Lost in dead wood? Environmental DNA sequencing from dead wood shows little signs of saproxylic beetles. <i>Environmental DNA</i> , 0, , .	5.8	0