Joachim G Frommen

List of Publications by Year
in descending order

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Version: 2024-02-01

71 papers	2,268 citations	218381 26 h-index	253896 43 g-index
74 all docs	74 docs citations	74 times ranked	2024 citing authors

#	Article	IF	Citations
1	The h-index and self-citations. Trends in Ecology and Evolution, 2008, 23, 250-252.	4.2	140
2	Mirror, mirror on the wall: the predictive value of mirror tests for measuring aggression in fish. Behavioral Ecology and Sociobiology, 2014, 68, 871-878.	0.6	116
3	Correlated pay-offs are key to cooperation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150084.	1.8	112
4	Predation risk drives social complexity in cooperative breeders. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4104-4109.	3.3	111
5	Kin recognition: an overview of conceptual issues, mechanisms and evolutionary theory. , 2010, , 55-85.		109
6	Smells like sib spirit: kin recognition in three-spined sticklebacks (Gasterosteus aculeatus) is mediated by olfactory cues. Animal Cognition, 2008, 11, 643-650.	0.9	79
7	Technical and conceptual considerations for using animated stimuli in studies of animal behavior. Environmental Epigenetics, 2017, 63, 5-19.	0.9	78
8	Inbreeding avoidance through non-random mating in sticklebacks. Biology Letters, 2006, 2, 232-235.	1.0	74
9	The relative importance of prey-borne and predator-borne chemical cues for inducible antipredator responses in tadpoles. Oecologia, 2015, 179, 699-710.	0.9	74
10	Infection with an acanthocephalan manipulates an amphipodâ€™s reaction to a fish predatorâ€™s odours. International Journal for Parasitology, 2007, 37, 61-65.	1.3	71
11	Predatorâ€inspection behaviour in female threeâ€spined sticklebacks Gasterosteus aculeatus is associated with status of gravidity. Journal of Fish Biology, 2009, 75, 2143-2153.	0.7	61
12	To eat or not to eat: egg-based assessment of paternity triggers fine-tuned decisions about filial cannibalism. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 2627-2635.	1.2	58
13	Shoaling decisions in three-spined sticklebacks (Gasterosteus aculeatus)â€”familiarity, kinship and inbreeding. Behavioral Ecology and Sociobiology, 2007, 61, 533-539.	0.6	53
14	Disentangling the effects of group size and density on shoaling decisions of three-spined sticklebacks (Gasterosteus aculeatus). Behavioral Ecology and Sociobiology, 2009, 63, 1141-1148.	0.6	50
15	Costly plastic morphological responses to predator specific odour cues in three-spined sticklebacks (Gasterosteus aculeatus). Evolutionary Ecology, 2011, 25, 641-656.	0.5	48
16	Adult Three-Spined Sticklebacks Prefer to Shoal with Familiar Kin. Behaviour, 2004, 141, 1401-1409.	0.4	45
17	Quantification acuity in spontaneous shoaling decisions of three-spined sticklebacks. Animal Cognition, 2015, 18, 1125-1131.	0.9	45
18	Nutritional state influences shoaling preference for familiars. Zoology, 2007, 110, 369-376.	0.6	44

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19	Inbreeding depression affects fertilization success and survival but not breeding coloration in threespine sticklebacks. Behaviour, 2008, 145, 425-441.	0.4	41
20	Group size adjustment to ecological demand in a cooperative breeder. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122772.	1.2	41
21	Fish odour triggers conspecific attraction behaviour in an aquatic invertebrate. Biology Letters, 2008, 4, 458-460.	1.0	40
22	Mate-choice copying when both sexes face high costs of reproduction. Evolutionary Ecology, 2009, 23, 435-446.	0.5	37
23	Nutritional benefits of filial cannibalism in three-spined sticklebacks (Gasterosteus aculeatus). Die Naturwissenschaften, 2009, 96, 399-403.	0.6	35
24	Kin discrimination in sticklebacks is mediated by social learning rather than innate recognition. Ethology, 2007, 113, 276-282.	0.5	32
25	Social deprivation affects cooperative predator inspection in a cichlid fish. Royal Society Open Science, 2015, 2, 140451.	1.1	30
26	Eutrophication alters social preferences in three-spined sticklebacks (Gasterosteus aculeatus). Behavioral Ecology and Sociobiology, 2013, 67, 293-299.	0.6	29
27	The tale of the bad stepfather: male three-spined sticklebacks Gasterosteus aculeatus L. recognize foreign eggs in their manipulated nest by egg cues alone. Journal of Fish Biology, 2007, 70, 1295-1301.	0.7	28
28	Computer animations of color markings reveal the function of visual threat signals inNeolamprologus pulcher. Environmental Epigenetics, 2017, 63, 45-54.	0.9	28
29	Context-dependent group size preferences in large shoals of three-spined sticklebacks. Animal Behaviour, 2014, 90, 205-210.	0.8	26
30	Inbreeding in three-spined sticklebacks (Gasterosteus aculeatusL.): effects on testis and sperm traits. Biological Journal of the Linnean Society, 2012, 107, 510-520.	0.7	25
31	Aggressive communication in aquatic environments. Functional Ecology, 2020, 34, 364-380.	1.7	25
32	Double-blind peer review and gender publication bias. Animal Behaviour, 2008, 76, e1-e2.	0.8	24
33	Kinship reinforces cooperative predator inspection in a cichlidÂfish. Journal of Evolutionary Biology, 2015, 28, 2088-2096.	0.8	24
34	The evolution of cooperation based on direct fitness benefits. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150472.	1.8	24
35	Predation risk promotes delayed dispersal in the cooperatively breeding cichlid Neolamprologus obscurus. Animal Behaviour, 2016, 117, 51-58.	0.8	24
36	To pee or not to pee: urine signals mediate aggressive interactions in the cooperatively breeding cichlid Neolamprologus pulcher. Behavioral Ecology and Sociobiology, 2017, 71, 1.	0.6	24

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37	Adaptive parasitic manipulation as exemplified by acanthocephalans. Ethology, 2017, 123, 779-784.	0.5	24
38	Long-term individual marking of small freshwater fish: the utility of Visual Implant Elastomer tags. Behavioral Ecology and Sociobiology, 2019, 73, 1.	0.6	24
39	Animated images as a tool to study visual communication: a case study in a cooperatively breeding cichlid. Behaviour, 2014, 151, 1921-1942.	0.4	22
40	Consistent behavioural differences between migratory and resident hoverflies. Animal Behaviour, 2017, 127, 187-195.	0.8	20
41	Evolutionary transitions to cooperative societies in fishes revisited. Ethology, 2018, 124, 777-789.	0.5	20
42	Slow fertilization of stickleback eggs: the result of sexual conflict?. BMC Ecology, 2006, 6, 7.	3.0	18
43	Impact of olfactory non-host predator cues on aggregation behaviour and activity in Polymorphus minutus infected Gammarus pulex. Hydrobiologia, 2010, 654, 137-145.	1.0	17
44	Cain and Abel reloaded? Kin recognition and maleâ€“male aggression in threeâ€spined sticklebacksGasterosteus aculeatusL.. Journal of Fish Biology, 2009, 75, 2154-2162.	0.7	15
45	Visible Implant Elastomer tagging influences social preferences of zebrafish (Danio rerio). Behaviour, 2015, 152, 1765-1777.	0.4	15
46	Oil extraction imperils Africa's Great Lakes. Science, 2016, 354, 561-562.	6.0	15
47	Helpers increase food abundance in the territory of a cooperatively breeding fish. Behavioral Ecology and Sociobiology, 2018, 72, 1.	0.6	14
48	Helpers increase the reproductive success of breeders in the cooperatively breeding cichlid Neolamprologus obscurus. Behavioral Ecology and Sociobiology, 2018, 72, 1.	0.6	14
49	Investigating the Effect of Familiarity on Kin Recognition of Threeâ€Spined Stickleback (Gasterosteus) Tj ETQq1 1 0.784314 rgBT /O	0.5	13
50	Task-dependent workload adjustment of female breeders in a cooperatively breeding fish. Behavioral Ecology, 2018, 29, 221-229.	1.0	13
51	Investment of group members is contingent on helper number and the presence of young in a cooperative breeder. Animal Behaviour, 2020, 160, 35-42.	0.8	13
52	Ecological variation drives morphological differentiation in a highly social vertebrate. Functional Ecology, 2021, 35, 2266-2281.	1.7	13
53	First field evidence for alloparental egg care in cooperatively breeding fish. Ethology, 2019, 125, 164-169.	0.5	11
54	Experimental predator intrusions in a cooperative breeder reveal threat-dependent task partitioning. Behavioral Ecology, 2020, 31, 1369-1378.	1.0	9

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55	Ageâ€•and sexâ€•dependent variation in relatedness corresponds to reproductive skew, territory inheritance, and workload in cooperatively breeding cichlids. Evolution; International Journal of Organic Evolution, 2021, 75, 2881-2897.	1.1	9
56	Insufficient data render comparative analyses of the evolution of cooperative breeding mere speculation: A reply to Dey et al.. Ethology, 2019, 125, 851-854.	0.5	8
57	Oddity, predation risk and social decisions in aquatic invertebrates. Ethology, 2019, 125, 106-113.	0.5	8
58	Gravidityâ€Associated Shoaling Decisions in Threeâ€Spined Sticklebacks (<scp>G</scp>asterosteus) Tj ETQq0 0 0 rgBT /Overlock 10	0.5	6
59	Rapid molecular sexing of three-spined sticklebacks, Gasterosteus aculeatus L., based on large Y-chromosomal insertions. Journal of Applied Genetics, 2017, 58, 401-407.	1.0	6
60	New insights into the relationship between the hâ€index and selfâ€citations?. Journal of the Association for Information Science and Technology, 2010, 61, 1514-1516.	2.6	5
61	Parasite-induced colour alteration of intermediate hosts increases ingestion by suitable final host species. Behaviour, 2019, 156, 1329-1348.	0.4	4
62	Through a glass darkly? Divergent reactions of eight Lake Tanganyika cichlid species towards their mirror image in their natural environment. Ethology, 2021, 127, 925-933.	0.5	4
63	Group-size preferences in a shoaling cichlid. Behaviour, 2020, 157, 415-431.	0.4	3
64	Proximate and Ultimate Mechanisms of Cooperation in Fishes. , 2021, , 272-294.		3
65	Sex-Specific Routes to Independent Breeding in a Polygynous Cooperative Breeder. Frontiers in Ecology and Evolution, 2021, 9, .	1.1	3
66	Predator Detection. , 2019, , 1-8.		3
67	Kin recognition and filial cannibalism in an amphibious fish. Behavioral Ecology and Sociobiology, 2017, 71, 1.	0.6	1
68	Kin-structured cooperatively breeding groups due to limited dispersal in the obligate shell-brooding cichlid Neolamprologus meeli. Behavioral Ecology and Sociobiology, 2022, 76, .	0.6	1
69	TINBERGEN'S LEGACY IN BEHAVIOUR: 60 YEARS OF LANDMARK STICKLEBACK PAPERS - Edited by F. A. von Hippel. Journal of Fish Biology, 2011, 79, 310-311.	0.7	0
70	Predation Risk. , 2018, , 1-4.		0
71	Predator Detection. , 2022, , 5507-5515.		0