Joachim G Frommen

List of Publications by Citations

68 papers	1,735 citations	25 h-index	39 g-index
74 ext. papers	2,012 ext. citations	3.2 avg, IF	5.12 L-index

#	Paper	IF	Citations
68	The h-index and self-citations. *Trends in Ecology and Evolution*, **2008**, 23, 250-2	10.9	96
67	Mirror, mirror on the wall: the predictive value of mirror tests for measuring aggression in fish. *Behavioral Ecology and Sociobiology*, **2014**, 68, 871-878	2.5	89
66	Predation risk drives social complexity in cooperative breeders. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 4104-9	11.5	83
65	Correlated pay-offs are key to cooperation. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2016**, 371, 20150084	5.8	81
64	Smells like sib spirit: kin recognition in three-spined sticklebacks (Gasterosteus aculeatus) is mediated by olfactory cues. *Animal Cognition*, **2008**, 11, 643-50	3.1	69
63	Kin recognition: an overview of conceptual issues, mechanisms and evolutionary theory **2010**, 55-85		67
62	Infection with an acanthocephalan manipulates an amphipod's reaction to a fish predator's odours. *International Journal for Parasitology*, **2007**, 37, 61-5	4.3	63
61	Inbreeding avoidance through non-random mating in sticklebacks. *Biology Letters*, **2006**, 2, 232-5	3.6	60
60	The relative importance of prey-borne and predator-borne chemical cues for inducible antipredator responses in tadpoles. *Oecologia*, **2015**, 179, 699-710	2.9	56
59	Technical and conceptual considerations for using animated stimuli in studies of animal behavior. *Environmental Epigenetics*, **2017**, 63, 5-19	2.4	52
58	Predator-inspection behaviour in female three-spined sticklebacks Gasterosteus aculeatus is associated with status of gravidity. *Journal of Fish Biology*, **2009**, 75, 2143-53	1.9	51
57	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, 2627-35	4.4	49
56	Costly plastic morphological responses to predator specific odour cues in three-spined sticklebacks (Gasterosteus aculeatus). *Evolutionary Ecology*, **2011**, 25, 641-656	1.8	45
55	Shoaling decisions in three-spined sticklebacks (Gasterosteus aculeatus): familiarity, kinship and inbreeding. *Behavioral Ecology and Sociobiology*, **2007**, 61, 533-539	2.5	45
54	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	2.5	44
53	Nutritional state influences shoaling preference for familiars. *Zoology*, **2007**, 110, 369-76	1.7	41
52	Quantification acuity in spontaneous shoaling decisions of three-spined sticklebacks. *Animal Cognition*, **2015**, 18, 1125-31	3.1	38

51	Adult Three-Spined Sticklebacks Prefer to Shoal with Familiar Kin. *Behaviour*, **2004**, 141, 1401-1409	1.4	37
50	Fish odour triggers conspecific attraction behaviour in an aquatic invertebrate. *Biology Letters*, **2008**, 4, 458-60	3.6	36
49	Mate-choice copying when both sexes face high costs of reproduction. *Evolutionary Ecology*, **2009**, 23, 435-446	1.8	32
48	Inbreeding depression affects fertilization success and survival but not breeding coloration in threespine sticklebacks. *Behaviour*, **2008**, 145, 425-441	1.4	32
47	Group size adjustment to ecological demand in a cooperative breeder. *Proceedings of the Royal Society B: Biological Sciences*, **2013**, 280, 20122772	4.4	31
46	Kin discrimination in sticklebacks is mediated by social learning rather than innate recognition. *Ethology*, **2007**, 113, 276-282	1.7	31
45	Nutritional benefits of filial cannibalism in three-spined sticklebacks (Gasterosteus aculeatus). *Die Naturwissenschaften*, **2009**, 96, 399-403	2	28
44	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	1.9	27
43	Context-dependent group size preferences in large shoals of three-spined sticklebacks. *Animal Behaviour*, **2014**, 90, 205-210	2.8	25
42	Social deprivation affects cooperative predator inspection in a cichlid fish. *Royal Society Open Science*, **2015**, 2, 140451	3.3	25
41	Eutrophication alters social preferences in three-spined sticklebacks (Gasterosteus aculeatus). *Behavioral Ecology and Sociobiology*, **2013**, 67, 293-299	2.5	24
40	Computer animations of color markings reveal the function of visual threat signals in. *Environmental Epigenetics*, **2017**, 63, 45-54	2.4	21
39	Kinship reinforces cooperative predator inspection in a cichlid fish. *Journal of Evolutionary Biology*, **2015**, 28, 2088-96	2.3	20
38	Animated images as a tool to study visual communication: a case study in a cooperatively breeding cichlid. *Behaviour*, **2014**, 151, 1921-1942	1.4	20
37	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	2.5	19
36	Inbreeding in three-spined sticklebacks (Gasterosteus aculeatusL.): effects on testis and sperm traits. *Biological Journal of the Linnean Society*, **2012**, 107, 510-520	1.9	19
35	Predation risk promotes delayed dispersal in the cooperatively breeding cichlid Neolamprologus obscurus. *Animal Behaviour*, **2016**, 117, 51-58	2.8	17
34	Adaptive parasitic manipulation as exemplified by acanthocephalans. *Ethology*, **2017**, 123, 779-784	1.7	17

33	Slow fertilization of stickleback eggs: the result of sexual conflict?. *BMC Ecology*, **2006**, 6, 7	2.7	16
32	Aggressive communication in aquatic environments. *Functional Ecology*, **2020**, 34, 364-380	5.6	16
31	The evolution of cooperation based on direct fitness benefits. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2016**, 371, 20150472	5.8	15
30	Long-term individual marking of small freshwater fish: the utility of Visual Implant Elastomer tags. *Behavioral Ecology and Sociobiology*, **2019**, 73, 1	2.5	14
29	Double-blind peer review and gender publication bias. *Animal Behaviour*, **2008**, 76, e1-e2	2.8	14
28	Evolutionary transitions to cooperative societies in fishes revisited. *Ethology*, **2018**, 124, 777-789	1.7	14
27	Consistent behavioural differences between migratory and resident hoverflies. *Animal Behaviour*, **2017**, 127, 187-195	2.8	13
26	Investigating the Effect of Familiarity on Kin Recognition of Three-Spined Stickleback (Gasterosteus aculeatus). *Ethology*, **2013**, 119, 531-539	1.7	13
25	Cain and Abel reloaded? Kin recognition and male-male aggression in three-spined sticklebacks Gasterosteus aculeatus L. *Journal of Fish Biology*, **2009**, 75, 2154-62	1.9	13
24	Impact of olfactory non-host predator cues on aggregation behaviour and activity in Polymorphus minutus infected Gammarus pulex. *Hydrobiologia*, **2010**, 654, 137-145	2.4	12
23	Task-dependent workload adjustment of female breeders in a cooperatively breeding fish. *Behavioral Ecology*, **2018**, 29, 221-229	2.3	11
22	Helpers increase food abundance in the territory of a cooperatively breeding fish. *Behavioral Ecology and Sociobiology*, **2018**, 72, 1	2.5	10
21	Helpers increase the reproductive success of breeders in the cooperatively breeding cichlid Neolamprologus obscurus. *Behavioral Ecology and Sociobiology*, **2018**, 72, 1	2.5	10
20	First field evidence for alloparental egg care in cooperatively breeding fish. *Ethology*, **2019**, 125, 164-169	1.7	9
19	Visible Implant Elastomer tagging influences social preferences of zebrafish (Danio rerio). *Behaviour*, **2015**, 152, 1765-1777	1.4	9
18	Investment of group members is contingent on helper number and the presence of young in a cooperative breeder. *Animal Behaviour*, **2020**, 160, 35-42	2.8	9
17	Experimental predator intrusions in a cooperative breeder reveal threat-dependent task partitioning. *Behavioral Ecology*, **2020**, 31, 1369-1378	2.3	7
16	Insufficient data render comparative analyses of the evolution of cooperative breeding mere speculation: A reply to Dey et al.. *Ethology*, **2019**, 125, 851-854	1.7	6

15	Rapid molecular sexing of three-spined sticklebacks, Gasterosteus aculeatus L., based on large Y-chromosomal insertions. *Journal of Applied Genetics*, **2017**, 58, 401-407	2.5	5
14	Oil extraction imperils Africa's Great Lakes. *Science*, **2016**, 354, 561-562	33.3	4
13	Gravidity-Associated Shoaling Decisions in Three-Spined Sticklebacks (Gasterosteus aculeatus). *Ethology*, **2012**, 118, 1149-1156	1.7	4
12	New insights into the relationship between the h-index and self-citations?. *Journal of the Association for Information Science and Technology*, **2010**, 61, 1514-1516		4
11	Ecological variation drives morphological differentiation in a highly social vertebrate. *Functional Ecology*, **2021**, 35, 2266	5.6	3
10	Oddity, predation risk and social decisions in aquatic invertebrates. *Ethology*, **2019**, 125, 106-113	1.7	3
9	Age- and sex-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	3.8	3
8	Group-size preferences in a shoaling cichlid. *Behaviour*, **2020**, 157, 415-431	1.4	2
7	Kin recognition and filial cannibalism in an amphibious fish. *Behavioral Ecology and Sociobiology*, **2017**, 71, 1	2.5	1
6	Sex-Specific Routes to Independent Breeding in a Polygynous Cooperative Breeder. *Frontiers in Ecology and Evolution*, **2021**, 9,	3.7	1
5	Parasite-induced colour alteration of intermediate hosts increases ingestion by suitable final host species. *Behaviour*, **2019**, 156, 1329-1348	1.4	1
4	Proximate and Ultimate Mechanisms of Cooperation in Fishes **2021**, 272-294		1
3	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	1.7	0
2	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	1.9	
1	Predator Detection **2022**, 5507-5515		