

# Mark Briffa

## List of Publications by Year in descending order

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107  
papers

4,385  
citations

81900

39  
h-index

128289

60  
g-index

120  
all docs

120  
docs citations

120  
times ranked

2854  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiological constraints on contest behaviour. <i>Functional Ecology</i> , 2007, 21, 627-637.	3.6	266
2	Unpredictable animals: individual differences in intraindividual variability (IIV). <i>Animal Behaviour</i> , 2012, 83, 1325-1334.	1.9	250
3	Comparing the strength of behavioural plasticity and consistency across situations: animal personalities in the hermit crab <i>Pagurus bernhardus</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 1305-1311.	2.6	179
4	High CO <sub>2</sub> and marine animal behaviour: Potential mechanisms and ecological consequences. <i>Marine Pollution Bulletin</i> , 2012, 64, 1519-1528.	5.0	175
5	How does temperature affect behaviour? Multilevel analysis of plasticity, personality and predictability in hermit crabs. <i>Animal Behaviour</i> , 2013, 86, 47-54.	1.9	141
6	Use of energy reserves in fighting hermit crabs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 373-379.	2.6	140
7	Decision rules, energy metabolism and vigour of hermit crab fights. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 1841-1848.	2.6	109
8	Reduced pH sea water disrupts chemo-responsive behaviour in an intertidal crustacean. <i>Journal of Experimental Marine Biology and Ecology</i> , 2012, 412, 134-140.	1.5	105
9	Reduced sea water pH disrupts resource assessment and decision making in the hermit crab <i>Pagurus bernhardus</i> . <i>Animal Behaviour</i> , 2011, 82, 495-501.	1.9	101
10	Animal personality as a cause and consequence of contest behaviour. <i>Biology Letters</i> , 2015, 11, 20141007.	2.3	99
11	Difficulties remain in distinguishing between mutual and self-assessment in animal contests. <i>Animal Behaviour</i> , 2009, 77, 759-762.	1.9	98
12	Decisions during fights in the house cricket, <i>Acheta domesticus</i> : mutual or self assessment of energy, weapons and size?. <i>Animal Behaviour</i> , 2008, 75, 1053-1062.	1.9	96
13	Plastic proteans: reduced predictability in the face of predation risk in hermit crabs. <i>Biology Letters</i> , 2013, 9, 20130592.	2.3	86
14	Power of shell-rapping signals influences physiological costs and subsequent decisions during hermit crab fights. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 2331-2336.	2.6	79
15	Rapid change in energy status in fighting animals: causes and effects of strategic decisions. <i>Animal Behaviour</i> , 2005, 70, 119-124.	1.9	68
16	Animal personality. <i>Current Biology</i> , 2010, 20, R912-R914.	3.9	68
17	Is boldness a resource-holding potential trait? Fighting prowess and changes in startle response in the sea anemone, <i>Actinia equina</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 1904-1910.	2.6	67
18	High In Situ Repeatability of Behaviour Indicates Animal Personality in the Beadlet Anemone <i>Actinia equina</i> (Cnidaria). <i>PLoS ONE</i> , 2011, 6, e21963.	2.5	63

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19	The power of shell rapping influences rates of eviction in hermit crabs. <i>Behavioral Ecology</i> , 2000, 11, 288-293.	2.2	59
20	Motivational change during shell fights in the hermit crab <i>Pagurus bernhardus</i> . <i>Animal Behaviour</i> , 2001, 62, 505-510.	1.9	58
21	Seasonal patterns in activity and habitat use by bats ( <i>Pipistrellus</i> spp. and <i>Nyctalus leisleri</i> ) in Northern Ireland, determined using a driven transect. <i>Journal of Zoology</i> , 2003, 259, 289-299.	1.7	56
22	Repeated measures analysis of contests and other dyadic interactions: problems of semantics, not statistical validity. <i>Animal Behaviour</i> , 2010, 80, 583-588.	1.9	54
23	Honest and dishonest displays, motivational state and subsequent decisions in hermit crab shell fights. <i>Animal Behaviour</i> , 2006, 72, 853-859.	1.9	53
24	Direct and indirect effects of species displacements: an invading freshwater amphipod can disrupt leaf-litter processing and shredder efficiency. <i>Journal of the North American Benthological Society</i> , 2011, 30, 38-48.	3.1	52
25	The role of skill in animal contests: a neglected component of fighting ability. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171596.	2.6	52
26	Cumulative or sequential assessment during hermit crab shell fights: effects of oxygen on decision rules. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000, 267, 2445-2452.	2.6	51
27	Monoamines and decision making during contests in the hermit crab <i>Pagurus bernhardus</i> . <i>Animal Behaviour</i> , 2007, 73, 605-612.	1.9	51
28	Dyadic contests: modelling fights between two individuals. , 2013, , 5-32.		51
29	Individual quality and personality: bolder males are less fecund in the hermit crab <i>Pagurus bernhardus</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142492.	2.6	51
30	Inter-sexual contests in the hermit crab <i>Pagurus bernhardus</i> : females fight harder but males win more encounters. <i>Behavioral Ecology and Sociobiology</i> , 2007, 61, 1781-1787.	1.4	50
31	Fight tactics in wood ants: individuals in smaller groups fight harder but die faster. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 3243-3250.	2.6	50
32	Consistent crustaceans: the identification of stable behavioural syndromes in hermit crabs. <i>Behavioral Ecology and Sociobiology</i> , 2012, 66, 1087-1094.	1.4	50
33	The replacement of a native freshwater amphipod by an invader: roles for environmental degradation and intraguild predation. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2004, 61, 1627-1635.	1.4	49
34	The price of attack: rethinking damage costs in animal contests. <i>Animal Behaviour</i> , 2017, 126, 23-29.	1.9	48
35	Analysis of multiple aspects of a repeated signal: power and rate of rapping during shell fights in hermit crabs. <i>Behavioral Ecology</i> , 2003, 14, 74-79.	2.2	47
36	Analysis of the finescale timing of repeated signals: does shell rapping in hermit crabs signal stamina?. <i>Animal Behaviour</i> , 2000, 59, 159-165.	1.9	45

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37	The logical polyp: assessments and decisions during contests in the beadlet anemone <i>Actinia equina</i> . <i>Behavioral Ecology</i> , 2011, 22, 1278-1285.	2.2	43
38	Do I stand out or blend in? Conspicuousness awareness and consistent behavioural differences in hermit crabs. <i>Biology Letters</i> , 2011, 7, 330-332.	2.3	43
39	Information gathering and communication during agonistic encounters: A case study of hermit crabs. <i>Advances in the Study of Behavior</i> , 2001, , 53-97.	1.6	42
40	Whole-organism performance capacity predicts resource-holding potential in the hermit crab <i>Pagurus bernhardus</i> . <i>Animal Behaviour</i> , 2010, 80, 277-282.	1.9	41
41	An acanthocephalan parasite mediates intraguild predation between invasive and native freshwater amphipods (Crustacea). <i>Freshwater Biology</i> , 2003, 48, 2085-2093.	2.4	40
42	Analysis of animal contest data. , 2013, , 47-85.		40
43	Physiological responses to ocean acidification and warming synergistically reduce condition of the common cockle <i>Cerastoderma edule</i> . <i>Marine Environmental Research</i> , 2017, 130, 38-47.	2.5	39
44	Further mismeasures of animal contests: a new framework for assessment strategies. <i>Behavioral Ecology</i> , 2019, 30, 1177-1185.	2.2	38
45	Weaponry and defenses in fighting animals: how allometry can alter predictions from contest theory. <i>Behavioral Ecology</i> , 2017, 28, 328-336.	2.2	37
46	Metabolic consequences of shell choice in <i>Pagurus bernhardus</i> : do hermit crabs prefer cryptic or portable shells?. <i>Behavioral Ecology and Sociobiology</i> , 2005, 59, 143-148.	1.4	32
47	Aerobic capacity influences giving-up decisions in fighting hermit crabs: does stamina constrain contests?. <i>Animal Behaviour</i> , 2009, 78, 735-740.	1.9	30
48	Influences on resource-holding potential during dangerous group contests between wood ants. <i>Animal Behaviour</i> , 2010, 80, 443-449.	1.9	29
49	Size distribution and battles in wood ants: group resource-holding potential is the sum of the individual parts. <i>Animal Behaviour</i> , 2012, 83, 111-117.	1.9	28
50	Effects of shell size on behavioural consistency and flexibility in hermit crabs. <i>Canadian Journal of Zoology</i> , 2009, 87, 597-603.	1.0	27
51	Anthropogenic noise pollution reverses grouping behaviour in hermit crabs. <i>Animal Behaviour</i> , 2019, 151, 113-120.	1.9	26
52	Boldness and asymmetric contests: role- and outcome-dependent effects of fighting in hermit crabs. <i>Behavioral Ecology</i> , 2014, 25, 1073-1082.	2.2	24
53	Parasites and personality in periwinkles ( <i>Littorina littorea</i> ): Infection status is associated with mean-level boldness but not repeatability. <i>Behavioural Processes</i> , 2015, 115, 132-134.	1.1	23
54	The role of spatial accuracy and precision in hermit crab contests. <i>Animal Behaviour</i> , 2020, 167, 111-118.	1.9	23

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55	Behavioural colour change in the hermit crab <i>Pagurus bernhardus</i> : reduced crypticity when the threat of predation is high. <i>Behaviour</i> , 2008, 145, 915-929.	0.8	21
56	Contests in amphibians. , 2013, , 228-257.		21
57	Does repeatable behaviour in the laboratory represent behaviour under natural conditions? A formal comparison in sea anemones. <i>Animal Behaviour</i> , 2017, 123, 197-206.	1.9	21
58	Motor pattern during fights in the hermit crab <i>Pagurus bernhardus</i> : evidence for the role of skill in animal contests. <i>Animal Behaviour</i> , 2017, 128, 13-20.	1.9	20
59	Use of chemical cues during shell fights in the hermit crab <i>Pagurus bernhardus</i> . <i>Behaviour</i> , 2006, 143, 1281-1290.	0.8	19
60	Weak rappers rock more: hermit crabs assess their own agonistic behaviour. <i>Biology Letters</i> , 2016, 12, 20150884.	2.3	19
61	An appraisal of a biocontamination assessment method for freshwater macroinvertebrate assemblages; a practical way to measure a significant biological pressure?. <i>Hydrobiologia</i> , 2010, 638, 151-159.	2.0	18
62	Introduction to animal contests. , 2013, , 1-4.		18
63	Distracted decision makers: ship noise and predation risk change shell choice in hermit crabs. <i>Behavioral Ecology</i> , 2019, 30, 1157-1167.	2.2	18
64	Replacement of a native freshwater macroinvertebrate species by an invader: implications for biological water quality monitoring. <i>Hydrobiologia</i> , 2009, 635, 321-327.	2.0	17
65	The opposite effects of routine metabolic rate and metabolic rate during startle responses on variation in the predictability of behaviour in hermit crabs. <i>Behaviour</i> , 2016, 153, 1545-1566.	0.8	17
66	How do anthropogenic contaminants (ACs) affect behaviour? Multi-level analysis of the effects of copper on boldness in hermit crabs. <i>Oecologia</i> , 2017, 183, 391-400.	2.0	17
67	How does the environment affect fighting? The interaction between extrinsic fighting ability and resource value during contests. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	17
68	What Determines the Duration of War? Insights from Assessment Strategies in Animal Contests. <i>PLoS ONE</i> , 2014, 9, e108491.	2.5	17
69	Signal residuals during shell fighting in hermit crabs: can costly signals be used deceptively?. <i>Behavioral Ecology</i> , 2006, 17, 510-514.	2.2	16
70	Clam feeding plasticity reduces herbivore vulnerability to ocean warming and acidification. <i>Nature Climate Change</i> , 2020, 10, 162-166.	18.8	16
71	Forewarned is forearmed: early signals of RHP predict opponent fatigue in hermit crab shell fights. <i>Behavioral Ecology</i> , 2012, 23, 1324-1329.	2.2	15
72	Familial strife on the seashore: Aggression increases with relatedness in the sea anemone <i>Actinia equina</i> . <i>Behavioural Processes</i> , 2014, 103, 243-245.	1.1	15

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73	Review on behavioral impacts of aquatic noise on crustaceans. Proceedings of Meetings on Acoustics, 2016, , .	0.3	15
74	Microplastic exposure increases predictability of predator avoidance strategies in hermit crabs. Journal of Hazardous Materials Letters, 2020, 1, 100005.	3.6	15
75	Contests in crustaceans: assessments, decisions and their underlying mechanisms. , 2013, , 86-112.		14
76	Contest behaviour in ungulates. , 2013, , 304-320.		14
77	Proximate mechanisms of animal personality among-individual behavioural variation in animals. Behaviour, 2016, 153, 1509-1515.	0.8	14
78	How does environment influence fighting? The effects of tidal flow on resource value and fighting costs in sea anemones. Biology Letters, 2017, 13, 20170011.	2.3	14
79	Models of group or multi-party contests. , 2013, , 33-46.		13
80	Effects of Predation Threat on the Structure and Benefits from Vacancy Chains in the Hermit Crab <i>Pagurus bernhardus</i> . Ethology, 2009, 115, 1029-1035.	1.1	12
81	Flexing the abdominals: do bigger muscles make better fighters?. Biology Letters, 2011, 7, 358-360.	2.3	12
82	Aggression in spiders. , 2013, , 113-133.		12
83	Testing for sub-colony variation in seabird foraging behaviour: ecological and methodological consequences for understanding colonial living. Marine Ecology - Progress Series, 2014, 498, 275-285.	1.9	12
84	Analysis of direct and indirect genetic effects in fighting sea anemones. Behavioral Ecology, 2020, 31, 540-547.	2.2	11
85	Hermit crabs. Current Biology, 2008, 18, R144-R146.	3.9	10
86	Skilful mating? Insights from animal contest research. Animal Behaviour, 2022, 184, 197-207.	1.9	10
87	Perceived and actual fighting ability: determinants of success by decision, knockout or submission in human combat sports. Biology Letters, 2020, 16, 20200443.	2.3	10
88	The Influence of Personality on a Group-Level Process: Shy Hermit Crabs Make Longer Vacancy Chains. Ethology, 2013, 119, 1014-1023.	1.1	9
89	Contest behaviour in fishes. , 0, , 199-227.		9
90	The angle of attack: rapping technique predicts skill in hermit crab contests. Animal Behaviour, 2022, 187, 55-61.	1.9	9

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91	Boldness is for rookies: preflight boldness and fighting success in a sea anemone. <i>Animal Behaviour</i> , 2017, 132, 13-20.	1.9	8
92	Using ternary plots to investigate continuous variation in animal contest strategies. <i>Animal Behaviour</i> , 2020, 167, 85-99.	1.9	8
93	Beyond spider personality: The relationships between behavioral, physiological, and environmental factors. <i>Ecology and Evolution</i> , 2021, 11, 2974-2989.	1.9	8
94	The Role of Circulating Metal Ions During Shell Fights in the Hermit Crab <i>Pagurus bernhardus</i> . <i>Ethology</i> , 2008, 114, 1014-1022.	1.1	7
95	Asymmetric effects of contaminant exposure during asymmetric contests in the hermit crab <i>Pagurus bernhardus</i> . <i>Animal Behaviour</i> , 2013, 86, 773-781.	1.9	7
96	Responses to threat in a freshwater invader: longitudinal data reveal personality, habituation, and robustness to changing water temperatures in the "killer shrimp" <i>Dikerogammarus villosus</i> (Crustacea: Amphipoda). <i>Environmental Epigenetics</i> , 2016, 62, 45-51.	1.8	7
97	Immune function and the decision to deploy weapons during fights in the beadlet anemone <i>Actinia equina</i> . <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	6
98	Abandoning animal personality would cause obfuscation: a comment on Beekman and Jordan. <i>Behavioral Ecology</i> , 2017, 28, 625-626.	2.2	5
99	Male song stability shows cross-year repeatability but does not affect reproductive success in a wild passerine bird. <i>Journal of Animal Ecology</i> , 2022, 91, 1507-1520.	2.8	4
100	Prospects for animal contests. , 2013, , 335-341.		2
101	Exaggerated displays do not improve mounting success in male seaweed flies <i>Fucellia tergina</i> (Diptera: Tj ETQq1 1,0,784314,rgBT /Ove	1.1	2
102	When should we ascribe sentience to animals? A commentary on "Hermit crabs, shells and sentience" (Elwood 2022). <i>Animal Cognition</i> , 2022, 25, 1375-1380.	1.8	2
103	The point of the triangle and utility of repeated measures: a response to comments on Chapin et al. <i>Behavioral Ecology</i> , 2019, 30, 1191-1192.	2.2	1
104	Fear alone reduces energy processing by resident "keystone" prey threatened by an invader; a non-consumptive effect of "killer shrimp" invasion of freshwater ecosystems is revealed. <i>Acta Oecologica</i> , 2019, 98, 1-5.	1.1	1
105	Human contests: evolutionary theory and the analysis of interstate war. , 0, , 321-334.		0
106	Signals in Conflict Resolution: Conventional Signals, Aggression and Territoriality. , 2019, , 531-538.		0
107	Evidence of fostering in an internally brooding sea anemone. <i>Ethology</i> , 2020, 126, 1141-1147.	1.1	0