Dora Biro

List of Publications by Year in descending order

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94 papers	5,466 citations	108046 37 h-index	100535 70 g-index
99 all docs	99 docs citations	99 times ranked	4402 citing authors

#	Article	IF	Citations
1	Inter-community behavioural variation confirmed through indirect methods in four neighbouring chimpanzee communities in Cantanhez NP, Guinea-Bissau. Royal Society Open Science, 2022, 9, 211518.	1.1	9
2	Exclusion by donkeyâ€™s ears: Donkeys (Equus asinus) use acoustic information to find hidden food in a two-way object-choice task.. Journal of Comparative Psychology (Washington, D C: 1983), 2022, 136, 68-78.	0.3	2
3	Wild skuas can use acoustic cues to locate hidden food. Animal Cognition, 2022, , 1.	0.9	2
4	Pigeon leadership hierarchies are not dependent on environmental contexts or individual phenotypes. Behavioural Processes, 2022, 198, 104629.	0.5	6
5	Efficiency fosters cumulative culture across species. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20200308.	1.8	20
6	The emergence of collective knowledge and cumulative culture in animals, humans and machines. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20200306.	1.8	22
7	Genomic variation in baboons from central Mozambique unveils complex evolutionary relationships with other Papio species. Bmc Ecology and Evolution, 2022, 22, 44.	0.7	5
8	Risk perception and terrestriality in primates: A quasiâ€experiment through habituation of chacma baboons (Papio ursinus) in Gorongosa National Park, Mozambique. American Journal of Biological Anthropology, 2022, 179, 48-59.	0.6	4
9	First Evidence of Chimpanzee Extractive Tool Use in Cantanhez, Guinea-Bissau: Cross-Community Variation in Honey Dipping. Frontiers in Ecology and Evolution, 2021, 9, .	1.1	4
10	Using natural travel paths to infer and compare primate cognition in the wild. IScience, 2021, 24, 102343.	1.9	19
11	First description of nest-decoration behaviour in a wild sub-Antarctic shorebird. Behavioural Processes, 2021, 188, 104408.	0.5	3
12	Collective attention in navigating homing pigeons: group size effect and individual differences. Animal Behaviour, 2021, 180, 63-80.	0.8	5
13	Pigeons retain partial memories of homing paths years after learning them individually, collectively or culturally. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20212110.	1.2	2
14	Automated audiovisual behavior recognition in wild primates. Science Advances, 2021, 7, eabi4883.	4.7	32
15	NaÃ¯ve individuals promote collective exploration in homing pigeons. ELife, 2021, 10, .	2.8	8
16	Evidence of tool use in a seabird. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1277-1279.	3.3	31
17	Reply to Auersperg et al.: Puffin tool use is no fluke. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11860-11861.	3.3	3
18	Speed consensus and the â€˜Goldilocks principleâ€™ in flocking birds (Columba livia). Animal Behaviour, 2019, 157, 105-119.	0.8	32

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19	Chimpanzee face recognition from videos in the wild using deep learning. Science Advances, 2019, 5, eaaw0736.	4.7	127
20	Birds invest wingbeats to keep a steady head and reap the ultimate benefits of flying together. PLoS Biology, 2019, 17, e3000299.	2.6	27
21	A missing piece of the Papio puzzle: Gorongosa baboon phenostructure and intrageneric relationships. Journal of Human Evolution, 2019, 130, 1-20.	1.3	14
22	Spontaneous categorization of tools based on observation in children and chimpanzees. Scientific Reports, 2019, 9, 18256.	1.6	2
23	Re-wilding Collective Behaviour: An Ecological Perspective. Trends in Ecology and Evolution, 2018, 33, 347-357.	4.2	73
24	Collective animal navigation and migratory culture: from theoretical models to empirical evidence. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170009.	1.8	141
25	Collective movement in ecology: from emerging technologies to conservation and management. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170004.	1.8	68
26	Personality and the collective: bold homing pigeons occupy higher leadership ranks in flocks. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170038.	1.8	45
27	Head-mounted sensors reveal visual attention of free-flying homing pigeons. Journal of Experimental Biology, 2018, 221, .	0.8	25
28	Homing pigeons. Current Biology, 2018, 28, R966-R967.	1.8	1
29	Evolutionary thanatology. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170262.	1.8	29
30	Comparative thanatology, an integrative approach: exploring sensory/cognitive aspects of death recognition in vertebrates and invertebrates. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170263.	1.8	49
31	Primate occurrence across a human-impacted landscape in Guinea-Bissau and neighbouring regions in West Africa: using a systematic literature review to highlight the next conservation steps. PeerJ, 2018, 6, e4847.	0.9	14
32	Cumulative culture can emerge from collective intelligence in animal groups. Nature Communications, 2017, 8, 15049.	5.8	171
33	Wild birds respond to flockmate loss by increasing their social network associations to others. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170299.	1.2	50
34	Chimpanzees spontaneously take turns in a shared serial ordering task. Scientific Reports, 2017, 7, 14307.	1.6	11
35	Boldness traits, not dominance, predict exploratory flight range and homing behaviour in homing pigeons. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160234.	1.8	23
36	Homing pigeons (Columba livia) modulate wingbeat characteristics as a function of route familiarity. Journal of Experimental Biology, 2017, 220, 2908-2915.	0.8	23

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37	Validating two-dimensional leadership models on three-dimensionally structured fish schools. Royal Society Open Science, 2017, 4, 160804.	1.1	16
38	Bringing a Timeâ€“Depth Perspective to Collective Animal Behaviour. Trends in Ecology and Evolution, 2016, 31, 550-562.	4.2	76
39	Misinformed leaders lose influence over pigeon flocks. Biology Letters, 2016, 12, 20160544.	1.0	22
40	Lack of experience-based stratification in homing pigeon leadership hierarchies. Royal Society Open Science, 2016, 3, 150518.	1.1	16
41	ClÃ¡udia Sousaâ€™s parallel efforts in the laboratory and in the field: from the use of tokens by captive chimpanzees to the ontogeny of wild chimpanzee tool use. Etnografica, 2016, , 641-644.	0.1	0
42	Modelling group navigation: transitive social structures improve navigational performance. Journal of the Royal Society Interface, 2015, 12, 20150213.	1.5	25
43	Speed Determines Leadership and Leadership Determines Learning during Pigeon Flocking. Current Biology, 2015, 25, 3132-3137.	1.8	105
44	The effect of experienced individuals on navigation by king penguin chick pairs. Animal Behaviour, 2015, 104, 69-78.	0.8	10
45	Asymmetric visual input and route recapitulation in homing pigeons. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151957.	1.2	12
46	Learning multiple routes in homing pigeons. Biology Letters, 2014, 10, 20140119.	1.0	6
47	Landscape complexity influences route-memory formation in navigating pigeons. Biology Letters, 2014, 10, 20130885.	1.0	22
48	Route following and the pigeon's familiar area map. Journal of Experimental Biology, 2014, 217, 169-179.	0.8	70
49	The Arena System: a novel shared touch-panel apparatus for the study of chimpanzee social interaction and cognition. Behavior Research Methods, 2014, 46, 611-618.	2.3	13
50	Resolution of navigational conflict in king penguin chicks. Animal Behaviour, 2014, 93, 221-228.	0.8	12
51	Robustness of flight leadership relations in pigeons. Animal Behaviour, 2013, 86, 723-732.	0.8	35
52	Not just passengers: pigeons,Columba livia, can learn homing routes while flying with a more experienced conspecific. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122160.	1.2	32
53	Pairs of pigeons act as behavioural units during route learning and co-navigational leadership conflicts. Journal of Experimental Biology, 2013, 216, 1434-1438.	0.8	15
54	Collective learning in route navigation. Communicative and Integrative Biology, 2013, 6, e26521.	0.6	6

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55	Interaction rules underlying group decisions in homing pigeons. Journal of the Royal Society Interface, 2013, 10, 20130529.	1.5	82
56	Context-dependent hierarchies in pigeons. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13049-13054.	3.3	150
57	Tool use as adaptation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120408.	1.8	78
58	Use-Wear Patterns on Wild Macaque Stone Tools Reveal Their Behavioural History. PLoS ONE, 2013, 8, e72872.	1.1	87
59	Homing Pigeons Respond to Time-Compensated Solar Cues Even in Sight of the Loft. PLoS ONE, 2013, 8, e63130.	1.1	11
60	What are leaders made of? The role of individual experience in determining leaderâ€“follower relations in homing pigeons. Animal Behaviour, 2012, 83, 703-709.	0.8	98
61	Chimpanzee carrying behaviour and the origins of human bipedality. Current Biology, 2012, 22, R180-R181.	1.8	77
62	Chimpanzeesâ€™ use of conspecific cues in matching-to-sample tasks: public information use in a fully automated testing environment. Animal Cognition, 2011, 14, 893-902.	0.9	15
63	Objectively identifying landmark use and predicting flight trajectories of the homing pigeon using Gaussian processes. Journal of the Royal Society Interface, 2011, 8, 210-219.	1.5	29
64	Group decisions and individual differences: route fidelity predicts flight leadership in homing pigeons (Columba livia). Biology Letters, 2011, 7, 63-66.	1.0	62
65	Chimpanzee Mothers Carry the Mummified Remains of Their Dead Infants: Three Case Reports from Bossou. Primatology Monographs, 2011, , 241-250.	0.8	10
66	Experimental identification of social learning in wild animals. Learning and Behavior, 2010, 38, 265-283.	0.5	85
67	Chimpanzee mothers at Bossou, Guinea carry the mummified remains of their dead infants. Current Biology, 2010, 20, R351-R352.	1.8	118
68	Bird Navigation: A Clear View ofÂMagnetoreception. Current Biology, 2010, 20, R595-R596.	1.8	2
69	Hierarchical group dynamics in pigeon flocks. Nature, 2010, 464, 890-893.	13.7	814
70	Modelling Group Navigation: Dominance and Democracy in Homing Pigeons. Journal of Navigation, 2009, 62, 33-40.	1.0	13
71	Tool-composite reuse in wild chimpanzees (Pan troglodytes): archaeologically invisible steps in the technological evolution of early hominins?. Animal Cognition, 2009, 12, 103-114.	0.9	129
72	Leaf-tool use for drinking water by wild chimpanzees (Pan troglodytes): acquisition patterns and handedness. Animal Cognition, 2009, 12, 115-125.	0.9	43

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73	Gaussian Processes for Prediction of Homing Pigeon Flight Trajectories. , 2009, , .		2
74	Information transfer in moving animal groups. Theory in Biosciences, 2008, 127, 177-186.	0.6	134
75	GPS tracking of the foraging movements of Manx Shearwaters Puffinus puffinus breeding on Skomer Island, Wales. Ibis, 2008, 150, 462-473.	1.0	97
76	Chimpanzee Numerical Competence: Cardinal and Ordinal Skills. , 2008, , 199-225.		8
77	Pigeons combine compass and landmark guidance in familiar route navigation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7471-7476.	3.3	80
78	Chimpanzees Share Forbidden Fruit. PLoS ONE, 2007, 2, e886.	1.1	106
79	An edge-detection approach to investigating pigeon navigation. Journal of Theoretical Biology, 2006, 239, 71-78.	0.8	20
80	Route recognition in the homing pigeon, Columba livia. Animal Behaviour, 2006, 72, 975-980.	0.8	13
81	From Compromise to Leadership in Pigeon Homing. Current Biology, 2006, 16, 2123-2128.	1.8	247
82	Route Recapitulation and Route Loyalty in Homing Pigeons: Pilotage From 25 km?. Journal of Navigation, 2006, 59, 43-53.	1.0	18
83	Ontogeny and Cultural Propagation of Tool Use by Wild Chimpanzees at Bossou, Guinea: Case Studies in Nut Cracking and Leaf Folding. , 2006, , 476-508.		81
84	Homing pigeons develop local route stereotypy. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 17-23.	1.2	84
85	Wild Chimpanzees at Bossou-Nimba: Deaths Through a Flu-Like Epidemic in 2003 and the Green-Corridor Project. Primate Research, 2004, 20, 45-55.	0.0	16
86	Familiar route loyalty implies visual pilotage in the homing pigeon. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17440-17443.	3.3	128
87	Positional entropy during pigeon homing I: application of Bayesian latent state modelling. Journal of Theoretical Biology, 2004, 227, 39-50.	0.8	41
88	Positional entropy during pigeon homing II: navigational interpretation of Bayesian latent state models. Journal of Theoretical Biology, 2004, 227, 25-38.	0.8	114
89	Mechanisms of visually mediated site recognition by the homing pigeon. Animal Behaviour, 2003, 65, 115-122.	0.8	20
90	Cultural innovation and transmission of tool use in wild chimpanzees: evidence from field experiments. Animal Cognition, 2003, 6, 213-223.	0.9	401

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91	How the viewing of familiar landscapes prior to release allows pigeons to home faster: evidence from GPS tracking. Journal of Experimental Biology, 2002, 205, 3833-3844.	0.8	68
92	How the viewing of familiar landscapes prior to release allows pigeons to home faster: evidence from GPS tracking. Journal of Experimental Biology, 2002, 205, 3833-44.	0.8	51
93	Use of numerical symbols by the chimpanzee (Pan troglodytes): Cardinals, ordinals, and the introduction of zero. Animal Cognition, 2001, 4, 193-199.	0.9	138
94	Numerical ordering in a chimpanzee (Pan troglodytes): Planning, executing, and monitoring.. Journal of Comparative Psychology (Washington, D C: 1983), 1999, 113, 178-185.	0.3	92