

Richard William Byrne

List of Publications by Year in descending order

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Version: 2024-02-01

121
papers

8,170
citations

50276

46
h-index

53230

85
g-index

125
all docs

125
docs citations

125
times ranked

3755
citing authors

#	ARTICLE	IF	CITATIONS
1	Learning by imitation: A hierarchical approach. Behavioral and Brain Sciences, 1998, 21, 667-684.	0.7	858
2	Hand Preferences in the Skilled Gathering Tasks of Mountain Gorillas (<i>Gorilla g. berengei</i>). Cortex, 1991, 27, 521-546.	2.4	304
3	The gestural repertoire of the wild chimpanzee. Animal Cognition, 2011, 14, 745-767.	1.8	300
4	The Meanings of Chimpanzee Gestures. Current Biology, 2014, 24, 1596-1600.	3.9	292
5	Dialects in wild chimpanzees?. American Journal of Primatology, 1992, 27, 233-243.	1.7	283
6	Neocortex size predicts deception rate in primates. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 1693-1699.	2.6	247
7	Gestural communication of the gorilla (<i>Gorilla gorilla</i>): repertoire, intentionality and possible origins. Animal Cognition, 2009, 12, 527-546.	1.8	221
8	Complex leaf-gathering skills of mountain gorillas (<i>Gorilla g. beringei</i>): Variability and standardization. American Journal of Primatology, 1993, 31, 241-261.	1.7	219
9	Orangutans Modify Their Gestural Signaling According to Their Audience's Comprehension. Current Biology, 2007, 17, 1345-1348.	3.9	218
10	Representation of Action Through Iconic Gesture in a Captive Lowland Gorilla. Current Anthropology, 1996, 37, 162-173.	1.6	196
11	Ecology, feeding competition and social structure in baboons. Behavioral Ecology and Sociobiology, 1996, 38, 321-329.	1.4	196
12	Sociality, Evolution and Cognition. Current Biology, 2007, 17, R714-R723.	3.9	171
13	Exorcising <sc>G</sc>'s ghost: an empirical approach to studying intentional communication in animals. Biological Reviews, 2017, 92, 1427-1433.	10.4	152
14	Evolution of the social brain. , 1997, , 240-263.		151
15	Great ape gestures: intentional communication with a rich set of innate signals. Animal Cognition, 2017, 20, 755-769.	1.8	151
16	Apes in the Anthropocene: flexibility and survival. Trends in Ecology and Evolution, 2015, 30, 215-222.	8.7	148
17	Imitation without intentionality. Using string parsing to copy the organization of behaviour. Animal Cognition, 1999, 2, 63-72.	1.8	141
18	Imitation as behaviour parsing. Philosophical Transactions of the Royal Society B: Biological Sciences, 2003, 358, 529-536.	4.0	140

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19	Serial gesturing by wild chimpanzees: its nature and function for communication. <i>Animal Cognition</i> , 2011, 14, 827-838.	1.8	140
20	Travel routes and planning of visits to out-of-sight resources in wild chacma baboons, <i>Papio ursinus</i> . <i>Animal Behaviour</i> , 2007, 73, 257-266.	1.9	138
21	Machiavellian intelligence. <i>Evolutionary Anthropology</i> , 1996, 5, 172-180.	3.4	137
22	What wild primates know about resources: opening up the black box. <i>Animal Cognition</i> , 2007, 10, 357-367.	1.8	135
23	Semantics of primate gestures: intentional meanings of orangutan gestures. <i>Animal Cognition</i> , 2010, 13, 793-804.	1.8	129
24	How do wild baboons (<i>Papio ursinus</i>) plan their routes? Travel among multiple high-quality food sources with inter-group competition. <i>Animal Cognition</i> , 2010, 13, 145-155.	1.8	111
25	Mental maps in chacma baboons (<i>Papio ursinus</i>): using inter-group encounters as a natural experiment. <i>Animal Cognition</i> , 2007, 10, 331-340.	1.8	101
26	Understanding culture across species. <i>Trends in Cognitive Sciences</i> , 2004, 8, 341-346.	7.8	100
27	Spider monkey ranging patterns in Mexican subtropical forest: do travel routes reflect planning?. <i>Animal Cognition</i> , 2007, 10, 305-315.	1.8	98
28	Manual dexterity in the gorilla: bimanual and digit role differentiation in a natural task. <i>Animal Cognition</i> , 2001, 4, 347-361.	1.8	97
29	Cognitive capacities for behavioural flexibility in wild chimpanzees (<i>Pan troglodytes</i>): the effect of snare injury on complex manual food processing. <i>Animal Cognition</i> , 2001, 4, 11-28.	1.8	96
30	Primate Social Cognition: Uniquely Primate, Uniquely Social, or Just Unique?. <i>Neuron</i> , 2010, 65, 815-830.	8.1	94
31	Nutritional constraints on mountain baboons (<i>Papio ursinus</i>): Implications for baboon socioecology. <i>Behavioral Ecology and Sociobiology</i> , 1993, 33, 233-246.	1.4	87
32	Why do gorillas make sequences of gestures?. <i>Animal Cognition</i> , 2010, 13, 287-301.	1.8	81
33	Evolutionary origins of human handedness: evaluating contrasting hypotheses. <i>Animal Cognition</i> , 2013, 16, 531-542.	1.8	79
34	Visual laterality in the domestic horse (<i>Equus caballus</i>) interacting with humans. <i>Animal Cognition</i> , 2010, 13, 229-238.	1.8	77
35	Spatio-temporal complexity of chimpanzee food: How cognitive adaptations can counteract the ephemeral nature of ripe fruit. <i>American Journal of Primatology</i> , 2016, 78, 626-645.	1.7	74
36	Deictic gesturing in wild chimpanzees (<i>Pan troglodytes</i>)? Some possible cases.. <i>Journal of Comparative Psychology</i> (Washington, D C: 1983), 2014, 128, 82-87.	0.5	73

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37	Culture in great apes: using intricate complexity in feeding skills to trace the evolutionary origin of human technical prowess. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007, 362, 577-585.	4.0	69
38	Wild chimpanzees' use of single and combined vocal and gestural signals. <i>Behavioral Ecology and Sociobiology</i> , 2017, 71, 96.	1.4	69
39	Gaze following and gaze priming in lemurs. <i>Animal Cognition</i> , 2009, 12, 427-434.	1.8	68
40	Bonobo and chimpanzee gestures overlap extensively in meaning. <i>PLoS Biology</i> , 2018, 16, e2004825.	5.6	66
41	Concealing facial evidence of mood: Perspective-taking in a captive gorilla?. <i>Primates</i> , 1993, 34, 451-457.	1.1	64
42	The alarm call system of wild black-fronted titi monkeys, <i>Callicebus nigrifrons</i> . <i>Behavioral Ecology and Sociobiology</i> , 2012, 66, 653-667.	1.4	60
43	The gestural repertoire of the wild bonobo (<i>Pan paniscus</i>): a mutually understood communication system. <i>Animal Cognition</i> , 2017, 20, 171-177.	1.8	60
44	Age-dependent social learning in a lizard. <i>Biology Letters</i> , 2014, 10, 20140430.	2.3	58
45	The manual skills and cognition that lie behind hominid tool use. , 2004, , 31-44.		57
46	Sex differences in the movement patterns of free-ranging chimpanzees (<i>Pan troglodytes</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (247-255.	1.4	57
47	Creative or created: Using anecdotes to investigate animal cognition. <i>Methods</i> , 2007, 42, 12-21.	3.8	54
48	Age-Related Differences in the Use of the 'Moo' Call in Black Howlers (<i>Alouatta caraya</i>). <i>International Journal of Primatology</i> , 2013, 34, 1105-1121.	1.9	52
49	Why are animals cognitive?. <i>Current Biology</i> , 2006, 16, R445-R448.	3.9	48
50	Social relationships of mountain baboons: Leadership and affiliation in a non-female-bonded monkey. <i>American Journal of Primatology</i> , 1990, 20, 313-329.	1.7	47
51	Triadic and collaborative play by gorillas in social games with objects. <i>Animal Cognition</i> , 2010, 13, 591-607.	1.8	46
52	Able-Bodied Wild Chimpanzees Imitate a Motor Procedure Used by a Disabled Individual to Overcome Handicap. <i>PLoS ONE</i> , 2010, 5, e11959.	2.5	46
53	Sensory laterality in affiliative interactions in domestic horses and ponies (<i>Equus caballus</i>). <i>Animal Cognition</i> , 2018, 21, 631-637.	1.8	42
54	Effects of Manual Disability on Feeding Skills in Gorillas and Chimpanzees. <i>International Journal of Primatology</i> , 2002, 23, 539-554.	1.9	41

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55	Social relationships of mountain baboons: Leadership and affiliation in a non-female-bonded monkey. <i>American Journal of Primatology</i> , 1989, 18, 191-207.	1.7	40
56	The development of spontaneous gestural communication in a group of zoo-living lowland gorillas. , 1999, , 211-239.		40
57	Communication in the second and third year of life: Relationships between nonverbal social skills and language. , 2016, 44, 189-198.		37
58	What do Diana monkeys know about the focus of attention of a conspecific?. <i>Animal Behaviour</i> , 2004, 68, 1239-1247.	1.9	36
59	Early social environment influences the behaviour of a family-living lizard. <i>Royal Society Open Science</i> , 2017, 4, 161082.	2.4	34
60	What is a gesture? A meaning-based approach to defining gestural repertoires. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 82, 3-12.	6.1	33
61	Imitation: what animal imitation tells us about animal cognition. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2010, 1, 685-695.	2.8	30
62	Primate cognition: Comparing problems and skills. <i>American Journal of Primatology</i> , 1995, 37, 127-141.	1.7	29
63	Social Cognition: Imitation, Imitation, Imitation. <i>Current Biology</i> , 2005, 15, R498-R500.	3.9	29
64	Do larger brains mean greater intelligence?. <i>Behavioral and Brain Sciences</i> , 1993, 16, 696-697.	0.7	28
65	Local traditions in gorilla manual skill: evidence for observational learning of behavioral organization. <i>Animal Cognition</i> , 2011, 14, 683-693.	1.8	28
66	Animal curiosity. <i>Current Biology</i> , 2013, 23, R469-R470.	3.9	28
67	Laterality in the gestural communication of wild chimpanzees. <i>Annals of the New York Academy of Sciences</i> , 2013, 1288, 9-16.	3.8	26
68	Animal imitation. <i>Current Biology</i> , 2009, 19, R111-R114.	3.9	25
69	Living in stable social groups is associated with reduced brain size in woodpeckers (<i>Picidae</i>). <i>Biology Letters</i> , 2017, 13, 20170008.	2.3	25
70	Chimpanzee uses manipulative gaze cues to conceal and reveal information to foraging competitor. <i>American Journal of Primatology</i> , 2017, 79, 1-11.	1.7	25
71	Cognition in the wild: exploring animal minds with observational evidence. <i>Biology Letters</i> , 2011, 7, 619-622.	2.3	23
72	Hierarchical levels of imitation. <i>Behavioral and Brain Sciences</i> , 1993, 16, 516-517.	0.7	22

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73	Chimpanzees plan their tool use. , 2013, , 48-64.		22
74	Does social environment influence learning ability in a family-living lizard?. <i>Animal Cognition</i> , 2017, 20, 449-458.	1.8	20
75	Using natural travel paths to infer and compare primate cognition in the wild. <i>IScience</i> , 2021, 24, 102343.	4.1	19
76	Gesture use in consortship. <i>Gesture Studies</i> , 2012, , 129-146.	0.6	19
77	Selection to outsmart the germs: The evolution of disease recognition and social cognition. <i>Journal of Human Evolution</i> , 2017, 108, 92-109.	2.6	18
78	Interpretation of human pointing by African elephants: generalisation and rationality. <i>Animal Cognition</i> , 2014, 17, 1365-1374.	1.8	16
79	Where have all the (ape) gestures gone?. <i>Psychonomic Bulletin and Review</i> , 2017, 24, 68-71.	2.8	16
80	Why Do African Elephants (<i>Loxodonta africana</i>) Simulate Oestrus? An Analysis of Longitudinal Data. <i>PLoS ONE</i> , 2010, 5, e10052.	2.5	15
81	Context, not sequence order, affects the meaning of bonobo (<i>Pan paniscus</i>) gestures. <i>Gesture</i> , 2020, 19, 335-364.	0.2	15
82	The animal origins of disgust: Reports of basic disgust in nonhuman great apes.. <i>Evolutionary Behavioral Sciences</i> , 2020, 14, 231-260.	0.8	14
83	Learning ability is unaffected by isolation rearing in a family-living lizard. <i>Behavioral Ecology and Sociobiology</i> , 2018, 72, 1.	1.4	13
84	Emulation in apes: verdict "not proven"™. <i>Developmental Science</i> , 2002, 5, 20-22.	2.4	12
85	African elephants (<i>Loxodonta africana</i>) recognize visual attention from face and body orientation. <i>Biology Letters</i> , 2014, 10, 20140428.	2.3	12
86	Animal behaviour in a human world: A crowdsourcing study on horses that open door and gate mechanisms. <i>PLoS ONE</i> , 2019, 14, e0218954.	2.5	12
87	Animal Communication: What Makes a Dog Able to Understand its Master?. <i>Current Biology</i> , 2003, 13, R347-R348.	3.9	11
88	Brain Evolution: When Is a Group Not a Group?. <i>Current Biology</i> , 2007, 17, R883-R884.	3.9	10
89	Using cross correlations to investigate how chimpanzees (<i>Pan troglodytes</i>) use conspecific gaze cues to extract and exploit information in a foraging competition. <i>American Journal of Primatology</i> , 2014, 76, 932-941.	1.7	10
90	The what as well as the why of animal fun. <i>Current Biology</i> , 2015, 25, R2-R4.	3.9	9

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91	Female chimpanzees adjust copulation calls according to reproductive status and level of female competition. <i>Animal Behaviour</i> , 2016, 113, 87-92.	1.9	9
92	Precocial juvenile lizards show adult level learning and behavioural flexibility. <i>Animal Behaviour</i> , 2019, 154, 75-84.	1.9	9
93	Tracing the Evolutionary Path of Cognition. , 0, , 43-60.		8
94	Great ape gestures: intentional communication with a rich set of innate signals. <i>Animal Cognition</i> , 2019, 22, 471-471.	1.8	8
95	Complexity in animal behaviour: towards common ground. <i>Acta Ethologica</i> , 2015, 18, 237-241.	0.9	7
96	Isolation rearing does not constrain social plasticity in a family-living lizard. <i>Behavioral Ecology</i> , 2018, 29, 563-573.	2.2	7
97	Sperm Storage in a Family-Living Lizard, the Tree Skink (<i>Egernia striolata</i>). <i>Journal of Heredity</i> , 2021, 112, 526-534.	2.4	4
98	Chapter 2. Addressing the problems of intentionality and granularity in non-human primate gesture. <i>Gesture Studies</i> , 2011, , 15-26.	0.6	4
99	Clues to the origin of the human mind from primate observational field data. <i>Japanese Journal of Animal Psychology</i> , 2007, 57, 1-14.	0.3	4
100	So much easier to attack straw men. <i>Behavioral and Brain Sciences</i> , 1998, 21, 116-117.	0.7	3
101	Animal Evolution: Foxy Friends. <i>Current Biology</i> , 2005, 15, R86-R87.	3.9	3
102	Animal Cognition: Know Your Enemy. <i>Current Biology</i> , 2006, 16, R686-R688.	3.9	2
103	Ape Society: Trading Favours. <i>Current Biology</i> , 2007, 17, R775-R776.	3.9	2
104	African elephants interpret a trunk gesture as a clue to direction of interest. <i>Current Biology</i> , 2020, 30, R926-R927.	3.9	2
105	Mate selection: The wrong control group. <i>Behavioral and Brain Sciences</i> , 1989, 12, 527-528.	0.7	1
106	Common ground on which to approach the origins of higher cognition. <i>Behavioral and Brain Sciences</i> , 1998, 21, 709-717.	0.7	1
107	Animal Cognition: Bring Me My Spear. <i>Current Biology</i> , 2007, 17, R164-R165.	3.9	1
108	Need or opportunity? A study of innovations in equids. <i>PLoS ONE</i> , 2021, 16, e0257730.	2.5	1

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109	Machiavellian Intelligence. , 2018, , 1-6.		1
110	Having the imagination to suffer, and to prevent suffering. Behavioral and Brain Sciences, 1990, 13, 15-16.	0.7	0
111	The quest for plausibility: A negative heuristic for science?. Behavioral and Brain Sciences, 1991, 14, 217-218.	0.7	0
112	MULTIMODAL COMMUNICATION IN WILD CHIMPANZEES. , 2014, , .		0
113	The Evolution of Intelligence. , 2019, , 428-450.		0
114	DETERMINING SIGNALER INTENTIONS: USE OF MULTIPLE GESTURES IN CAPTIVE BORNEAN ORANGUTANS (PONGO PYGMAEUS). , 2006, , .		0
115	DISCOURSE WITHOUT SYMBOLS: ORANGUTANS COMMUNICATE STRATEGICALLY IN RESPONSE TO RECIPIENT UNDERSTANDING. , 2008, , .		0
116	DO APE GESTURES HAVE SPECIFIC MEANINGS?: SHIFTING THE FOCUS FROM FLEXIBILITY TO SEMANTICITY. , 2010, , .		0
117	DO TALK TO STRANGERS: MATERNAL AND NON-MATERNAL INTERACTION IN THE TRANSMISSION OF PRIMATE GESTURE. , 2014, , .		0
118	Richard Byrne. , 2017, , 1-4.		0
119	Socioecology of the Australian Tree Skink (Egernia striolata). Frontiers in Ecology and Evolution, 2021, 9, .	2.2	0
120	Richard Byrne. , 2022, , 6024-6027.		0
121	Machiavellian Intelligence. , 2022, , 4033-4038.		0