

Karin Isler

List of Publications by Year in descending order

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57
papers

5,147
citations

126708

33
h-index

155451

55
g-index

59
all docs

59
docs citations

59
times ranked

3816
citing authors

#	ARTICLE	IF	CITATIONS
1	Overall Brain Size, and Not Encephalization Quotient, Best Predicts Cognitive Ability across Non-Human Primates. <i>Brain, Behavior and Evolution</i> , 2007, 70, 115-124.	0.9	455
2	Energetics and the evolution of human brain size. <i>Nature</i> , 2011, 480, 91-93.	13.7	395
3	The Expensive Brain: A framework for explaining evolutionary changes in brain size. <i>Journal of Human Evolution</i> , 2009, 57, 392-400.	1.3	373
4	Endocranial volumes of primate species: scaling analyses using a comprehensive and reliable data set. <i>Journal of Human Evolution</i> , 2008, 55, 967-978.	1.3	260
5	Metabolic costs of brain size evolution. <i>Biology Letters</i> , 2006, 2, 557-560.	1.0	255
6	The evolutionary origin of human hyper-cooperation. <i>Nature Communications</i> , 2014, 5, 4747.	5.8	250
7	Costs of encephalization: the energy trade-off hypothesis tested on birds. <i>Journal of Human Evolution</i> , 2006, 51, 228-243.	1.3	184
8	Life history costs and benefits of encephalization: a comparative test using data from long-term studies of primates in the wild. <i>Journal of Human Evolution</i> , 2008, 54, 568-590.	1.3	178
9	Allomaternal care, life history and brain size evolution in mammals. <i>Journal of Human Evolution</i> , 2012, 63, 52-63.	1.3	167
10	3D-kinematics of vertical climbing in hominoids. <i>American Journal of Physical Anthropology</i> , 2005, 126, 66-81.	2.1	166
11	Explaining brain size variation: from social to cultural brain. <i>Trends in Cognitive Sciences</i> , 2012, 16, 277-284.	4.0	166
12	Comparing adult hippocampal neurogenesis in mammalian species and orders: influence of chronological age and life history stage. <i>European Journal of Neuroscience</i> , 2011, 34, 978-987.	1.2	159
13	How Our Ancestors Broke through the Gray Ceiling. <i>Current Anthropology</i> , 2012, 53, S453-S465.	0.8	136
14	Morphological analysis of the hindlimb in apes and humans. I. Muscle architecture. <i>Journal of Anatomy</i> , 2006, 208, 709-724.	0.9	126
15	Primate energy expenditure and life history. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1433-1437.	3.3	124
16	Effects of Seasonality on Brain Size Evolution: Evidence from Strepsirrhine Primates. <i>American Naturalist</i> , 2010, 176, 758-767.	1.0	108
17	LARGE BRAINS BUFFER ENERGETIC EFFECTS OF SEASONAL HABITATS IN CATARRHINE PRIMATES. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 191-199.	1.1	108
18	Re-evaluating the link between brain size and behavioural ecology in primates. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171765.	1.2	106

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19	Why are there so few smart mammals (but so many smart birds)?. <i>Biology Letters</i> , 2009, 5, 125-129.	1.0	99
20	How humans evolved large brains: Comparative evidence. <i>Evolutionary Anthropology</i> , 2014, 23, 65-75.	1.7	97
21	How to explain the unusually late age at skill competence among humans. <i>Journal of Human Evolution</i> , 2012, 63, 843-850.	1.3	85
22	Are badges of status adaptive in large complex primate groups?. <i>Evolution and Human Behavior</i> , 2015, 36, 398-406.	1.4	76
23	Manipulation complexity in primates coevolved with brain size and terrestriality. <i>Scientific Reports</i> , 2016, 6, 24528.	1.6	76
24	On Being Small: Brain Allometry in Ants. <i>Brain, Behavior and Evolution</i> , 2007, 69, 220-228.	0.9	74
25	Female Dominance over Males in Primates: Self-Organisation and Sexual Dimorphism. <i>PLoS ONE</i> , 2008, 3, e2678.	1.1	69
26	Morphological analysis of the hindlimb in apes and humans. II. Moment arms. <i>Journal of Anatomy</i> , 2006, 208, 725-742.	0.9	64
27	Footfall Patterns, Stride Length and Speed of Vertical Climbing in Spider Monkeys (<i>Ateles fusciceps</i>) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 59</i>	0.3	59
28	Gait parameters in vertical climbing of captive, rehabilitant and wild Sumatran orang-utans (<i>Pongo</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 52</i>	0.8	52
29	Comparative analyses of basal rate of metabolism in mammals: data selection does matter. <i>Biological Reviews</i> , 2018, 93, 404-438.	4.7	48
30	Functional adaptations in the forelimb muscles of non-human great apes. <i>Journal of Anatomy</i> , 2012, 220, 13-28.	0.9	46
31	Grooming and group cohesion in primates: implications for the evolution of language. <i>Evolution and Human Behavior</i> , 2013, 34, 61-68.	1.4	45
32	Inertial properties of hominoid limb segments. <i>Journal of Anatomy</i> , 2006, 209, 201-218.	0.9	38
33	Energetic trade-offs between brain size and offspring production: Marsupials confirm a general mammalian pattern. <i>BioEssays</i> , 2011, 33, 173-179.	1.2	38
34	Life history, cognition and the evolution of complex foraging niches. <i>Journal of Human Evolution</i> , 2016, 92, 91-100.	1.3	37
35	Wild Orangutan Males Plan and Communicate Their Travel Direction One Day in Advance. <i>PLoS ONE</i> , 2013, 8, e74896.	1.1	37
36	Getting fat or getting help? How female mammals cope with energetic constraints on reproduction. <i>Frontiers in Zoology</i> , 2017, 14, 29.	0.9	35

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37	Habitat-specific shaping of proliferation and neuronal differentiation in adult hippocampal neurogenesis of wild rodents. <i>Frontiers in Neuroscience</i> , 2013, 7, 59.	1.4	34
38	Brief Communication: Seasonality of diet composition is related to brain size in New World Monkeys. <i>American Journal of Physical Anthropology</i> , 2014, 154, 628-632.	2.1	34
39	Hibernation constrains brain size evolution in mammals. <i>Journal of Evolutionary Biology</i> , 2018, 31, 1582-1588.	0.8	28
40	Gross intestinal morphometry and allometry in Carnivora. <i>European Journal of Wildlife Research</i> , 2016, 62, 395-405.	0.7	26
41	Being fat and smart: A comparative analysis of the fat-brain trade-off in mammals. <i>Journal of Human Evolution</i> , 2016, 100, 25-34.	1.3	26
42	Characteristics of vertical climbing in African apes. <i>Senckenbergiana Lethaea</i> , 2002, 82, 115-124.	0.3	23
43	Evolutionary Change in the Brain Size of Bats. <i>Brain, Behavior and Evolution</i> , 2012, 80, 15-25.	0.9	21
44	Arboreal Locomotion in Wild Black-and-White Snub-Nosed Monkeys <i><i>(Rhinopithecus bieti)</i></i> . <i>Folia Primatologica</i> , 2006, 77, 195-211.	0.3	20
45	Allomaternal care, brains and fertility in mammals: who cares matters. <i>Behavioral Ecology and Sociobiology</i> , 2019, 73, 1.	0.6	20
46	When ontogeny recapitulates phylogeny: Fixed neurodevelopmental sequence of manipulative skills among primates. <i>Science Advances</i> , 2020, 6, eabb4685.	4.7	19
47	Gross intestinal morphometry and allometry in primates. <i>American Journal of Primatology</i> , 2019, 81, e23035.	0.8	16
48	Brain Size Evolution: How Fish Pay for Being Smart. <i>Current Biology</i> , 2013, 23, R63-R65.	1.8	15
49	Line-Fitting by Rotation: A Nonparametric Method for Bivariate Allometric Analysis. <i>Biometrical Journal</i> , 2002, 44, 289.	0.6	14
50	Characteristics of vertical climbing in gibbons. <i>Evolutionary Anthropology</i> , 2003, 11, 49-52.	1.7	14
51	Gross intestinal morphometry and allometry in ruminants. <i>Journal of Morphology</i> , 2019, 280, 1254-1266.	0.6	12
52	Water-Body Use by Asian elephants in Southern Sri Lanka. <i>Tropical Conservation Science</i> , 2010, 3, 412-422.	0.6	10
53	Relative Brain and Brain Part Sizes Provide Only Limited Evidence that Machiavellian Behaviour in Cleaner Wrasse Is Cognitively Demanding. <i>PLoS ONE</i> , 2015, 10, e0135373.	1.1	10
54	Decreasing reservoir water levels improve habitat quality for Asian elephants. <i>Mammalian Biology</i> , 2018, 88, 130-137.	0.8	8

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55	Adipose Tissue in Evolution. , 2014, , 3-13.		3
56	Metabolic Acceleration in Human Evolution. Cell Metabolism, 2016, 24, 5-6.	7.2	2
57	Assessment of phylogenetic structure in genome size & gene content correlations. Genome, 2012, 55, 391-395.	0.9	0