

Tatjana Y Hubel

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5625905/publications.pdf>

Version: 2024-02-01

23
papers

1,107
citations

623734

14
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

1191
citing authors

#	ARTICLE	IF	CITATIONS
1	Upwash exploitation and downwash avoidance by flap phasing in ibis formation flight. <i>Nature</i> , 2014, 505, 399-402.	27.8	272
2	Biomechanics of predator–prey arms race in lion, zebra, cheetah and impala. <i>Nature</i> , 2018, 554, 183-188.	27.8	130
3	Wake structure and wing kinematics: the flight of the lesser dog-faced fruit bat, <i>Cynopterus brachyotis</i> . <i>Journal of Experimental Biology</i> , 2010, 213, 3427-3440.	1.7	120
4	Time-resolved wake structure and kinematics of bat flight. <i>Experiments in Fluids</i> , 2009, 46, 933-943.	2.4	93
5	Changes in kinematics and aerodynamics over a range of speeds in <i>Tadarida brasiliensis</i> , the Brazilian free-tailed bat. <i>Journal of the Royal Society Interface</i> , 2012, 9, 1120-1130.	3.4	68
6	Energy cost and return for hunting in African wild dogs and cheetahs. <i>Nature Communications</i> , 2016, 7, 11034.	12.8	59
7	The importance of leading edge vortices under simplified flapping flight conditions at the size scale of birds. <i>Journal of Experimental Biology</i> , 2010, 213, 1930-1939.	1.7	51
8	Bats go head-under-heels: the biomechanics of landing on a ceiling. <i>Journal of Experimental Biology</i> , 2009, 212, 945-953.	1.7	50
9	Experimental investigation of a flapping wing model. <i>Experiments in Fluids</i> , 2009, 46, 945-961.	2.4	37
10	Additive opportunistic capture explains group hunting benefits in African wild dogs. <i>Nature Communications</i> , 2016, 7, 11033.	12.8	34
11	Wake structure and kinematics in two insectivorous bats. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150385.	4.0	28
12	Remarkable muscles, remarkable locomotion in desert-dwelling wildebeest. <i>Nature</i> , 2018, 563, 393-396.	27.8	28
13	Children and adults minimise activated muscle volume by selecting gait parameters that balance gross mechanical power and work demands. <i>Journal of Experimental Biology</i> , 2015, 218, 2830-2839.	1.7	27
14	Improving the accuracy of estimates of animal path and travel distance using GPS drift-corrected dead reckoning. <i>Ecology and Evolution</i> , 2016, 6, 6210-6222.	1.9	24
15	Energetically optimal running requires torques about the centre of mass. <i>Journal of the Royal Society Interface</i> , 2012, 9, 2011-2015.	3.4	14
16	An exploratory clustering approach for extracting stride parameters from tracking collars on free ranging wild animals. <i>Journal of Experimental Biology</i> , 2017, 220, 341-346.	1.7	12
17	Vaulting mechanics successfully predict decrease in walk–run transition speed with incline. <i>Biology Letters</i> , 2013, 9, 20121121.	2.3	9
18	Movement patterns and athletic performance of leopards in the Okavango Delta. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172622.	2.6	9

#	ARTICLE	IF	CITATIONS
19	Possible causes of divergent population trends in sympatric African herbivores. PLoS ONE, 2019, 14, e0213720.	2.5	7
20	Determining position, velocity and acceleration of free-ranging animals with a low-cost unmanned aerial system. Journal of Experimental Biology, 2016, 219, 2687-92.	1.7	6
21	Cheetah Reunion – The Challenge of Finding Your Friends Again. PLoS ONE, 2016, 11, e0166864.	2.5	4
22	Effects of artificial water provision on migratory blue wildebeest and zebra in the Makgadikgadi Pans ecosystem, Botswana. Biological Conservation, 2022, 268, 109502.	4.1	1
23	Exploration of bat wing morphology through a strip method and visualization. , 2010, , .		0