

# Jan Stenum

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2436890/publications.pdf>

Version: 2024-02-01

23  
papers

229  
citations

1684188

5  
h-index

1588992

8  
g-index

25  
all docs

25  
docs citations

25  
times ranked

196  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-dimensional video-based analysis of human gait using pose estimation. PLoS Computational Biology, 2021, 17, e1008935.	3.2	112
2	Applications of Pose Estimation in Human Health and Performance across the Lifespan. Sensors, 2021, 21, 7315.	3.8	41
3	Step time asymmetry but not step length asymmetry is adapted to optimize energy cost of split-belt treadmill walking. Journal of Physiology, 2020, 598, 4063-4078.	2.9	28
4	Local dynamic stability during treadmill walking can detect children with developmental coordination disorder. Gait and Posture, 2018, 59, 99-103.	1.4	17
5	Disentangling the energetic costs of step time asymmetry and step length asymmetry in human walking. Journal of Experimental Biology, 2021, 224, .	1.7	8
6	Video-based quantification of human movement frequency using pose estimation: A pilot study. PLoS ONE, 2021, 16, e0261450.	2.5	8
7	Neuromuscular effort predicts walk-run transition speed in normal and adapted human gaits. Journal of Experimental Biology, 2016, 219, 2809-2813.	1.7	6
8	Slow swimming exhausts fish. Journal of Experimental Biology, 2018, 221, .	1.7	1
9	Size slows animals' response to surprise. Journal of Experimental Biology, 2018, 221, .	1.7	0
10	To stroll or to sprint? Humans consider time and effort. Journal of Experimental Biology, 2018, 221, .	1.7	0
11	Midbrain puts the pace in mice. Journal of Experimental Biology, 2018, 221, .	1.7	0
12	Stretch-induced force bursts simplify stick insects' leg swing. Journal of Experimental Biology, 2019, 222, .	1.7	0
13	Smart suit reduces energy of both walking and running. Journal of Experimental Biology, 2019, 222, .	1.7	0
14	Gusty winds, flappy wings. Journal of Experimental Biology, 2021, 224, .	1.7	0
15	A steady tick for a cool alligator heart. Journal of Experimental Biology, 2021, 224, .	1.7	0
16	An agile tail is a boon in trees. Journal of Experimental Biology, 2021, 224, .	1.7	0
17	Gliding geckos snap their tail to stick the landing. Journal of Experimental Biology, 2021, 224, .	1.7	0
18	Snakes diffract like a light ray to put them on the right track. Journal of Experimental Biology, 2019, 222, .	1.7	0

#	ARTICLE	IF	CITATIONS
19	Walkers take advantage of energy savings on split treadmills. Journal of Experimental Biology, 2019, 222, .	1.7	0
20	Ingenious ants reinvent the wheel. Journal of Experimental Biology, 2020, 223, .	1.7	0
21	Birds keep their balance underfoot. Journal of Experimental Biology, 2020, 223, .	1.7	0
22	Whoosh! Springy-bounce spider webs. Journal of Experimental Biology, 2020, 223, .	1.7	0
23	Different strokes for balanced birds. Journal of Experimental Biology, 2020, 223, .	1.7	0