

David V Lee

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

723
citations

566801

15
h-index

752256

20
g-index

21
all docs

21
docs citations

21
times ranked

587
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of the trotting gaits of Labrador Retrievers and Greyhounds. <i>American Journal of Veterinary Research</i> , 2000, 61, 832-838.	0.3	148
2	Effects of mass distribution on the mechanics of level trotting in dogs. <i>Journal of Experimental Biology</i> , 2004, 207, 1715-1728.	0.8	90
3	External forces and torques generated by the brachiating white-handed gibbon (<i>Hylobates lar</i>). <i>American Journal of Physical Anthropology</i> , 2000, 113, 201-216.	2.1	64
4	Compliance, actuation, and work characteristics of the goat foreleg and hindleg during level, uphill, and downhill running. <i>Journal of Applied Physiology</i> , 2008, 104, 130-141.	1.2	47
5	A collisional perspective on quadrupedal gait dynamics. <i>Journal of the Royal Society Interface</i> , 2011, 8, 1480-1486.	1.5	47
6	Dynamics of goat distal hind limb muscle-tendon function in response to locomotor grade. <i>Journal of Experimental Biology</i> , 2009, 212, 2092-2104.	0.8	42
7	Effects of grade and mass distribution on the mechanics of trotting in dogs. <i>Journal of Experimental Biology</i> , 2011, 214, 402-411.	0.8	38
8	BigDog-Inspired Studies in the Locomotion of Goats and Dogs. <i>Integrative and Comparative Biology</i> , 2011, 51, 190-202.	0.9	34
9	Directionally compliant legs influence the intrinsic pitch behaviour of a trotting quadruped. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 567-572.	1.2	32
10	Influence of increased rotational inertia on the turning performance of humans. <i>Journal of Experimental Biology</i> , 2001, 204, 3927-3934.	0.8	28
11	Function of the oblique hypaxial muscles in trotting dogs. <i>Journal of Experimental Biology</i> , 2001, 204, 2371-2381.	0.8	25
12	Modulation of joint moments and work in the goat hindlimb with locomotor speed and surface grade. <i>Journal of Experimental Biology</i> , 2013, 216, 2201-12.	0.8	24
13	A comparative collision-based analysis of human gait. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131779.	1.2	24
14	Fourier analysis of acetabular shape in Native American Arikara populations before and after acquisition of horses. <i>American Journal of Physical Anthropology</i> , 2000, 113, 473-480.	2.1	18
15	Scaling of the Spring in the Leg during Bouncing Gaits of Mammals. <i>Integrative and Comparative Biology</i> , 2014, 54, 1099-1108.	0.9	16
16	Differential muscle function between muscle synergists: long and lateral heads of the triceps in jumping and landing goats (<i>Capra hircus</i>). <i>Journal of Applied Physiology</i> , 2008, 105, 1262-1273.	1.2	14
17	Climbing parrots achieve pitch stability using forces and free moments produced by axial-appendicular couples. <i>Journal of Experimental Biology</i> , 2022, 225, .	0.8	14
18	Collision-based mechanics of bipedal hopping. <i>Biology Letters</i> , 2013, 9, 20130418.	1.0	9

#	ARTICLE	IF	CITATIONS
19	Linking Gait Dynamics to Mechanical Cost of Legged Locomotion. <i>Frontiers in Robotics and AI</i> , 2018, 5, 111.	2.0	5
20	Tunnel-tube and Fourier methods for measuring three-dimensional medium reaction force in burrowing animals. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	3
21	External forces and torques generated by the brachiating white-handed gibbon (<i>Hylobates lar</i>). , 2000, 113, 201.		1