

David V Lee

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

723
citations

567281
15
h-index

713466
21
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. American Journal of Veterinary Research, 2000, 61, 832-838.	0.6	148
2	Effects of mass distribution on the mechanics of level trotting in dogs. Journal of Experimental Biology, 2004, 207, 1715-1728.	1.7	90
3	External forces and torques generated by the brachiating white-handed gibbon (<i>Hylobates lar</i>). American Journal of Physical Anthropology, 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. Journal of Applied Physiology, 2008, 104, 130-141.	2.5	47
5	A collisional perspective on quadrupedal gait dynamics. Journal of the Royal Society Interface, 2011, 8, 1480-1486.	3.4	47
6	Dynamics of goat distal hind limb muscle-tendon function in response to locomotor grade. Journal of Experimental Biology, 2009, 212, 2092-2104.	1.7	42
7	Effects of grade and mass distribution on the mechanics of trotting in dogs. Journal of Experimental Biology, 2011, 214, 402-411.	1.7	38
8	BigDog-Inspired Studies in the Locomotion of Goats and Dogs. Integrative and Comparative Biology, 2011, 51, 190-202.	2.0	34
9	Directionally compliant legs influence the intrinsic pitch behaviour of a trotting quadruped. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 567-572.	2.6	32
10	Influence of increased rotational inertia on the turning performance of humans. Journal of Experimental Biology, 2001, 204, 3927-3934.	1.7	28
11	Function of the oblique hypaxial muscles in trotting dogs. Journal of Experimental Biology, 2001, 204, 2371-2381.	1.7	25
12	Modulation of joint moments and work in the goat hindlimb with locomotor speed and surface grade. Journal of Experimental Biology, 2013, 216, 2201-12.	1.7	24
13	A comparative collision-based analysis of human gait. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131779.	2.6	24
14	Fourier analysis of acetabular shape in Native American Arikara populations before and after acquisition of horses. American Journal of Physical Anthropology, 2000, 113, 473-480.	2.1	18
15	Scaling of the Spring in the Leg during Bouncing Gaits of Mammals. Integrative and Comparative Biology, 2014, 54, 1099-1108.	2.0	16
16	Differential muscle function between muscle synergists: long and lateral heads of the triceps in jumping and landing goats (<i>Capra hircus</i>). Journal of Applied Physiology, 2008, 105, 1262-1273.	2.5	14
17	Climbing parrots achieve pitch stability using forces and free moments produced by axial-appendicular couples. Journal of Experimental Biology, 2022, 225, .	1.7	14
18	Collision-based mechanics of bipedal hopping. Biology Letters, 2013, 9, 20130418.	2.3	9

#	ARTICLE	IF	CITATIONS
19	Linking Gait Dynamics to Mechanical Cost of Legged Locomotion. <i>Frontiers in Robotics and AI</i> , 2018, 5, 111.	3.2	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, .	1.7	3
21	External forces and torques generated by the brachiating white-chanded gibbon (<i>Hylobates lar</i>). <i>American Journal of Physical Anthropology</i> , 2000, 113, 201-216.	2.1	1