

Kevin M Middleton

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

1,549
citations

19
h-index

39
g-index

58
ext. papers

1,744
ext. citations

3.3
avg, IF

4.42
L-index

#	Paper	IF	Citations
51	Morphometrics of the avian small intestine compared with that of nonflying mammals: a phylogenetic approach. <i>Physiological and Biochemical Zoology</i> , 2008 , 81, 526-50	2	221
50	Three-dimensional preservation of foot movements in Triassic theropod dinosaurs. <i>Nature</i> , 1999 , 399, 141-144	50.4	179
49	Bipedalism, flight, and the evolution of theropod locomotor diversity. <i>Journal of Vertebrate Paleontology</i> , 1997 , 17, 308-329	1.7	134
48	Direct measurements of the kinematics and dynamics of bat flight. <i>Bioinspiration and Biomimetics</i> , 2006 , 1, S10-8	2.6	116
47	Behavioral despair and home-cage activity in mice with chronically elevated baseline corticosterone concentrations. <i>Behavior Genetics</i> , 2009 , 39, 192-201	3.2	88
46	Mosaicism, modules, and the evolution of birds: results from a Bayesian approach to the study of morphological evolution using discrete character data. <i>Systematic Biology</i> , 2008 , 57, 185-201	8.4	83
45	How to run far: multiple solutions and sex-specific responses to selective breeding for high voluntary activity levels. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011 , 278, 574-81	4.4	77
44	Theropod forelimb design and evolution. <i>Zoological Journal of the Linnean Society</i> , 2000 , 128, 149-187	2.4	71
43	Biomechanics of the bat limb skeleton: scaling, material properties and mechanics. <i>Cells Tissues Organs</i> , 2008 , 187, 59-84	2.1	70
42	The effect of body size on the wing movements of pteropodid bats, with insights into thrust and lift production. <i>Journal of Experimental Biology</i> , 2010 , 213, 4110-22	3	62
41	Differential response to a selective cannabinoid receptor antagonist (SR141716: rimonabant) in female mice from lines selectively bred for high voluntary wheel-running behaviour. <i>Behavioural Pharmacology</i> , 2008 , 19, 812-20	2.4	60
40	Wingbeat kinematics and motor control of yaw turns in Anna's hummingbirds (<i>Calypte anna</i>). <i>Journal of Experimental Biology</i> , 2012 , 215, 4070-84	3	43
39	Sex differences in cannabinoid receptor-1 (CB1) pharmacology in mice selectively bred for high voluntary wheel-running behavior. <i>Pharmacology Biochemistry and Behavior</i> , 2012 , 101, 528-37	3.9	40
38	Functional significance of genetic variation underlying limb bone diaphyseal structure. <i>American Journal of Physical Anthropology</i> , 2010 , 143, 21-30	2.5	39
37	Phenotypic effects of the "mini-muscle" allele in a large HR x C57BL/6J mouse backcross. <i>Journal of Heredity</i> , 2008 , 99, 349-54	2.4	33
36	Selective breeding as a tool to probe skeletal response to high voluntary locomotor activity in mice. <i>Integrative and Comparative Biology</i> , 2008 , 48, 394-410	2.8	31
35	The morphological basis of hallucal orientation in extant birds. <i>Journal of Morphology</i> , 2001 , 250, 51-60	1.6	30

34	Hip joint articular soft tissues of non-dinosaurian Dinosauromorpha and early Dinosauria: evolutionary and biomechanical implications for Saurischia. <i>Journal of Vertebrate Paleontology</i> , 2018 , 38, e1427593	1.7	21
33	The relative importance of genetics and phenotypic plasticity in dictating bone morphology and mechanics in aged mice: evidence from an artificial selection experiment. <i>Zoology</i> , 2008 , 111, 135-47	1.7	19
32	Ontogeny of bite force in a validated biomechanical model of the American alligator. <i>Journal of Experimental Biology</i> , 2017 , 220, 2036-2046	3	18
31	Variation in within-bone stiffness measured by nanoindentation in mice bred for high levels of voluntary wheel running. <i>Journal of Anatomy</i> , 2010 , 216, 121-31	2.9	17
30	Palatal Biomechanics and Its Significance for Cranial Kinesis in Tyrannosaurus rex. <i>Anatomical Record</i> , 2020 , 303, 999-1017	2.1	14
29	Acute Restraint Stress Alters Wheel-Running Behavior Immediately Following Stress and up to 20 Hours Later in House Mice. <i>Physiological and Biochemical Zoology</i> , 2016 , 89, 546-552	2	13
28	Day-to-day variability in voluntary wheel running among genetically differentiated lines of mice that vary in activity level. <i>European Journal of Applied Physiology</i> , 2009 , 106, 613-9	3.4	12
27	Hummingbirds control turning velocity using body orientation and turning radius using asymmetrical wingbeat kinematics. <i>Journal of the Royal Society Interface</i> , 2016 , 13,	4.1	10
26	Integration involves a trade-off between fertility and status for World War II evacuees. <i>Nature Human Behaviour</i> , 2019 , 3, 337-345	12.8	7
25	Visual Sensory Signals Dominate Tactile Cues during Docked Feeding in Hummingbirds. <i>Frontiers in Neuroscience</i> , 2017 , 11, 622	5.1	7
24	More than one way to be a giant: Convergence and disparity in the hip joints of saurischian dinosaurs. <i>Evolution; International Journal of Organic Evolution</i> , 2020 , 74, 1654-1681	3.8	5
23	Predicting the bending properties of long bones: Insights from an experimental mouse model. <i>American Journal of Physical Anthropology</i> , 2018 , 165, 457-470	2.5	5
22	The roles of joint tissues and jaw muscles in palatal biomechanics of the savannah monitor () and their significance for cranial kinesis. <i>Journal of Experimental Biology</i> , 2019 , 222,	3	4
21	Estimating peak height velocity in individuals: a comparison of statistical methods. <i>Annals of Human Biology</i> , 2020 , 47, 434-445	1.7	4
20	Bird evolution. <i>Current Biology</i> , 2006 , 16, R350-4	6.3	4
19	The evolutionary potential of diet-dependent effects on lifespan and fecundity in a multi-parental population of <i>Drosophila melanogaster</i> . <i>Heredity</i> , 2019 , 122, 582-594	3.6	3
18	Bayesian approach to longitudinal craniofacial growth: The Craniofacial Growth Consortium Study. <i>Anatomical Record</i> , 2021 , 304, 991-1019	2.1	2
17	A model-based high throughput method for fecundity estimation in fruit fly studies. <i>Fly</i> , 2018 , 12, 183-190		2

16	Reply to Ruff, Warden, and Karlson. <i>American Journal of Physical Anthropology</i> , 2018 , 167, 190-193	2.5	1
15	Theropod hind limb disparity revisited: a response. <i>Journal of Vertebrate Paleontology</i> , 1999 , 19, 606-606.7	1.7	1
14	The evolutionary potential of diet-dependent effects on lifespan and fecundity in a multi-parental population of <i>Drosophila melanogaster</i>		1
13	A model-based high throughput method for fecundity estimation in fruit fly studies		1
12	Estimating Craniofacial Growth Cessation: Comparison of Asymptote- and Rate-Based Methods. <i>Cleft Palate-Craniofacial Journal</i> , 2021 , 10556656211002675	1.9	1
11	3D Contrast Techniques for Visualizing Anatomy and Their Application for Human Education, Vertebrate Biomechanics and Paleobiology. <i>FASEB Journal</i> , 2018 , 32, 642.3	0.9	
10	Design of a multi-use new anatomy facility: prioritizing medical student education in a patient-based learning curriculum. <i>FASEB Journal</i> , 2018 , 32, 633.2	0.9	
9	Effects of MEK1/2 and MEK5 Pathway Disruption on Skeletal Phenotypes in Intact Female SCID Mice. <i>FASEB Journal</i> , 2018 , 32, 644.20	0.9	
8	Muscle-intensive and High-Impact Exercises Differentially Influence Whole Bone 3D Morphology in Young Outbred Male Mice. <i>FASEB Journal</i> , 2018 , 32, 644.21	0.9	
7	Artificial Selection for Increased Voluntary Wheel Running Alters Limb Skeleton Shape and Exercise Plasticity in Mice. <i>FASEB Journal</i> , 2019 , 33, 10.6	0.9	
6	3D Analysis of Primate Neck Anatomy using Contrast-Enhanced CT Imaging, Fascicle-Tracking Algorithms, and Muscle Mechanics. <i>FASEB Journal</i> , 2019 , 33, 612.1	0.9	
5	Solutions for gigantism: evolutionary and biomechanical implications of dinosaur hip joint soft tissues. <i>FASEB Journal</i> , 2015 , 29, 351.4	0.9	
4	Comparison of Morphology and Bending Mechanics of Femora in Response to Chronic Exercise in Three Strains of Mice. <i>FASEB Journal</i> , 2016 , 30, 368.2	0.9	
3	Biomechanics and the Evolution of the Crocodyliform Skull. <i>FASEB Journal</i> , 2017 , 31, 579.1	0.9	
2	Effects of Hypoxia on Growth and Biomechanics in Limb Bones of Alligator mississippiensis. <i>FASEB Journal</i> , 2012 , 26, 908.4	0.9	
1	Estimating peak height velocity in individuals: a response to Cole (2020). <i>Annals of Human Biology</i> , 2020 , 47, 585-586	1.7	