

Maureen J Devlin

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

2,044
citations

331538

21
h-index

395590

33
g-index

37
all docs

37
docs citations

37
times ranked

2333
citing authors

#	ARTICLE	IF	CITATIONS
1	Caloric restriction leads to high marrow adiposity and low bone mass in growing mice. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 2078-2088.	3.1	295
2	Articular area responses to mechanical loading: effects of exercise, age, and skeletal location. <i>American Journal of Physical Anthropology</i> , 2001, 116, 266-277.	2.1	213
3	Effects of food processing on masticatory strain and craniofacial growth in a retrognathic face. <i>Journal of Human Evolution</i> , 2004, 46, 655-677.	1.3	206
4	The bone-fat interface: basic and clinical implications of marrow adiposity. <i>Lancet Diabetes and Endocrinology</i> , 2015, 3, 141-147.	5.5	198
5	Trabecular bone in the bird knee responds with high sensitivity to changes in load orientation. <i>Journal of Experimental Biology</i> , 2006, 209, 57-65.	0.8	163
6	Effects of food processing on masticatory strain and craniofacial growth in a retrognathic face. <i>Journal of Human Evolution</i> , 2004, 46, 655-655.	1.3	145
7	Fat targets for skeletal health. <i>Nature Reviews Rheumatology</i> , 2009, 5, 365-372.	3.5	124
8	Noncommunicable disease and multimorbidity in young adults with cerebral palsy. <i>Clinical Epidemiology</i> , 2018, Volume 10, 511-519.	1.5	85
9	Why does starvation make bones fat?. <i>American Journal of Human Biology</i> , 2011, 23, 577-585.	0.8	78
10	Age trajectories of musculoskeletal morbidities in adults with cerebral palsy. <i>Bone</i> , 2018, 114, 285-291.	1.4	59
11	A comparative study of the trabecular bony architecture of the talus in humans, non-human primates, and <i>Australopithecus</i> . <i>Journal of Human Evolution</i> , 2012, 63, 536-551.	1.3	58
12	Adults with Cerebral Palsy have Higher Prevalence of Fracture Compared with Adults Without Cerebral Palsy Independent of Osteoporosis and Cardiometabolic Diseases. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1240-1247.	3.1	52
13	Influence of pre- and peri-natal nutrition on skeletal acquisition and maintenance. <i>Bone</i> , 2012, 50, 444-451.	1.4	46
14	Estrogen, exercise, and the skeleton. <i>Evolutionary Anthropology</i> , 2011, 20, 54-61.	1.7	34
15	Daily leptin blunts marrow fat but does not impact bone mass in calorie-restricted mice. <i>Journal of Endocrinology</i> , 2016, 229, 295-306.	1.2	30
16	Variation in estradiol level affects cortical bone growth in response to mechanical loading in sheep. <i>Journal of Experimental Biology</i> , 2007, 210, 602-613.	0.8	28
17	The "Skinny" on brown fat, obesity, and bone. <i>American Journal of Physical Anthropology</i> , 2015, 156, 98-115.	2.1	24
18	Parental Diabetes: The Akita Mouse as a Model of the Effects of Maternal and Paternal Hyperglycemia in Wildtype Offspring. <i>PLoS ONE</i> , 2012, 7, e50210.	1.1	24

#	ARTICLE	IF	CITATIONS
19	Peripubertal estrogen levels and physical activity affect femur geometry in young adult women. <i>Osteoporosis International</i> , 2010, 21, 609-617.	1.3	23
20	Maternal perinatal diet induces developmental programming of bone architecture. <i>Journal of Endocrinology</i> , 2013, 217, 69-81.	1.2	22
21	Bone Marrow Fat Physiology in Relation to Skeletal Metabolism and Cardiometabolic Disease Risk in Children With Cerebral Palsy. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2018, 97, 911-919.	0.7	22
22	The Effect of the Achilles Tendon on Trabecular Structure in the Primate Calcaneus. <i>Anatomical Record</i> , 2013, 296, 1509-1517.	0.8	21
23	Low temperature decreases bone mass in mice: Implications for humans. <i>American Journal of Physical Anthropology</i> , 2018, 167, 557-568.	2.1	21
24	Cross-sex testosterone therapy in ovariectomized mice: addition of low-dose estrogen preserves bone architecture. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017, 313, E540-E551.	1.8	18
25	Bone marrow composition, diabetes, and fracture risk: More bad news for saturated fat. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 1718-1720.	3.1	12
26	A dried blood spot-based method to measure levels of tartrate-resistant acid phosphatase 5b (TRACP-5b), a marker of bone resorption. <i>American Journal of Human Biology</i> , 2019, 31, e23240.	0.8	12
27	Validation of an enzyme-linked immunoassay assay for osteocalcin, a marker of bone formation, in dried blood spots. <i>American Journal of Human Biology</i> , 2020, 32, e23394.	0.8	7
28	Tibial nerve stimulation increases vaginal blood perfusion and bone mineral density and yield load in ovariectomized rat menopause model. <i>International Urogynecology Journal</i> , 2022, 33, 3543-3553.	0.7	6
29	Differential Adaptive Response of Growing Bones From Two Female Inbred Mouse Strains to Voluntary Cage-Wheel Running. <i>JBMR Plus</i> , 2018, 2, 143-153.	1.3	4
30	Development and validation of an ELISA for a biomarker of thyroid dysfunction, thyroid peroxidase autoantibodies (TPO-Ab), in dried blood spots. <i>Journal of Physiological Anthropology</i> , 2020, 39, 16.	1.0	4
31	Test-Retest Reliability and Correlates of Vertebral Bone Marrow Lipid Composition by Lipidomics Among Children With Varying Degrees of Bone Fragility. <i>JBMR Plus</i> , 2020, 4, e10400.	1.3	4
32	Intersite reliability of vertebral bone marrow lipidomics-derived lipid composition among children with varying degrees of bone fragility undergoing routine orthopedic surgery. <i>Bone</i> , 2021, 143, 115633.	1.4	3
33	Pattern of bone marrow lipid composition measures along the vertebral column: A descriptive study of adolescents with idiopathic scoliosis. <i>Bone</i> , 2021, 142, 115702.	1.4	2
34	Reply to the Letter to the Editor "Peripartum nutrition and adult bone health". <i>Bone</i> , 2012, 51, 186.	1.4	0
35	Cold stress and high fat, high protein diet decreases trabecular and cortical bone mass in male C57BL/6J mice. <i>FASEB Journal</i> , 2019, 33, 19.1.	0.2	0
36	Craniofacial Phenotypic Plasticity in Mice Exposed to Various Temperatures. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0