

Maureen J Devlin

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

2,044
citations

331670

21
h-index

395702

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. | 2.8 | 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. | 2.6 | 206 |
| 4 | The bone-fat interface: basic and clinical implications of marrow adiposity. <i>Lancet Diabetes and Endocrinology</i> , 2015, 3, 141-147. | 11.4 | 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. | 1.7 | 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. | 2.6 | 145 |
| 7 | Fat targets for skeletal health. <i>Nature Reviews Rheumatology</i> , 2009, 5, 365-372. | 8.0 | 124 |
| 8 | Noncommunicable disease and multimorbidity in young adults with cerebral palsy. <i>Clinical Epidemiology</i> , 2018, Volume 10, 511-519. | 3.0 | 85 |
| 9 | Why does starvation make bones fat?. <i>American Journal of Human Biology</i> , 2011, 23, 577-585. | 1.6 | 78 |
| 10 | Age trajectories of musculoskeletal morbidities in adults with cerebral palsy. <i>Bone</i> , 2018, 114, 285-291. | 2.9 | 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. | 2.6 | 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. | 2.8 | 52 |
| 13 | Influence of pre- and peri-natal nutrition on skeletal acquisition and maintenance. <i>Bone</i> , 2012, 50, 444-451. | 2.9 | 46 |
| 14 | Estrogen, exercise, and the skeleton. <i>Evolutionary Anthropology</i> , 2011, 20, 54-61. | 3.4 | 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. | 2.6 | 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. | 1.7 | 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. | 2.5 | 24 |

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|----|--|-----|-----------|
| 19 | Peripubertal estrogen levels and physical activity affect femur geometry in young adult women. <i>Osteoporosis International</i> , 2010, 21, 609-617. | 3.1 | 23 |
| 20 | Maternal perinatal diet induces developmental programming of bone architecture. <i>Journal of Endocrinology</i> , 2013, 217, 69-81. | 2.6 | 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. | 1.4 | 22 |
| 22 | The Effect of the Achilles Tendon on Trabecular Structure in the Primate Calcaneus. <i>Anatomical Record</i> , 2013, 296, 1509-1517. | 1.4 | 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. | 3.5 | 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. | 2.8 | 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. | 1.6 | 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. | 1.6 | 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. | 1.4 | 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. | 2.7 | 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. | 2.6 | 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. | 2.7 | 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. | 2.9 | 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. | 2.9 | 2 |
| 34 | Reply to the Letter to the Editor "Peripartum nutrition and adult bone health". <i>Bone</i> , 2012, 51, 186. | 2.9 | 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. | 0.5 | 0 |
| 36 | Craniofacial Phenotypic Plasticity in Mice Exposed to Various Temperatures. <i>FASEB Journal</i> , 2020, 34, 1-1. | 0.5 | 0 |