

William D Hill

List of Publications by Year in Descending Order

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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.

52
papers

5,522
citations

19
h-index

52
g-index

52
ext. papers

6,384
ext. citations

4.3
avg, IF

4.52
L-index

| # | Paper | IF | Citations |
|----|---|-----|-----------|
| 52 | Diet and Stress Impair Ovarian Function in Mid-life, Increasing Risk of Chronic Diseases of Aging in Primates. <i>Innovation in Aging</i> , 2021 , 5, 682-682 | 0.1 | |
| 51 | Exploring Spirituality, Loneliness and HRQoL In Hispanic Cancer Caregivers. <i>Innovation in Aging</i> , 2021 , 5, 690-691 | 0.1 | |
| 50 | Long Non-coding RNA MALAT1 Is Depleted With Age in Skeletal Muscle and MALAT1 Silencing Increases Expression of TGF- β .. <i>Frontiers in Physiology</i> , 2021 , 12, 742004 | 4.6 | 0 |
| 49 | Characterization of Differentially Expressed miRNAs by CXCL12/SDF-1 in Human Bone Marrow Stromal Cells. <i>Biomolecular Concepts</i> , 2021 , 12, 132-143 | 3.7 | 2 |
| 48 | Tryptophan-Kynurenine Pathway in COVID-19-Dependent Musculoskeletal Pathology: A Minireview. <i>Mediators of Inflammation</i> , 2021 , 2021, 2911578 | 4.3 | 3 |
| 47 | Kynurenine induces an age-related phenotype in bone marrow stromal cells. <i>Mechanisms of Ageing and Development</i> , 2021 , 195, 111464 | 5.6 | 6 |
| 46 | A Tryptophan-Deficient Diet Induces Gut Microbiota Dysbiosis and Increases Systemic Inflammation in Aged Mice. <i>International Journal of Molecular Sciences</i> , 2021 , 22, | 6.3 | 8 |
| 45 | MicroRNAs are critical regulators of senescence and aging in mesenchymal stem cells. <i>Bone</i> , 2021 , 142, 115679 | 4.7 | 8 |
| 44 | Age-associated changes in microRNAs affect the differentiation potential of human mesenchymal stem cells: Novel role of miR-29b-1-5p expression. <i>Bone</i> , 2021 , 153, 116154 | 4.7 | 2 |
| 43 | The Kynurenine Pathway Metabolites QA and KYNA induce senescence in Bone Marrow Stem Cells through the AhR Pathway. <i>Innovation in Aging</i> , 2021 , 5, 45-45 | 0.1 | |
| 42 | Age-related increase of kynurenine enhances miR29b-1-5p to decrease both CXCL12 signaling and the epigenetic enzyme Hdac3 in bone marrow stromal cells. <i>Bone Reports</i> , 2020 , 12, 100270 | 2.6 | 12 |
| 41 | Picolinic acid, a tryptophan oxidation product, does not impact bone mineral density but increases marrow adiposity. <i>Experimental Gerontology</i> , 2020 , 133, 110885 | 4.5 | 3 |
| 40 | A 3-Week Tryptophan-Deficient Diet Resulted in Decreased Body Weight and Increased Trabecular Bone Mass in Mice. <i>Innovation in Aging</i> , 2020 , 4, 122-123 | 0.1 | 78 |
| 39 | Kynurenine suppresses osteoblastic cell energetics in vitro and osteoblast numbers in vivo. <i>Experimental Gerontology</i> , 2020 , 130, 110818 | 4.5 | 8 |
| 38 | Kynurenine inhibits autophagy and promotes senescence in aged bone marrow mesenchymal stem cells through the aryl hydrocarbon receptor pathway. <i>Experimental Gerontology</i> , 2020 , 130, 110805 | 4.5 | 33 |
| 37 | Accumulation of kynurenine elevates oxidative stress and alters microRNA profile in human bone marrow stromal cells. <i>Experimental Gerontology</i> , 2020 , 130, 110800 | 4.5 | 9 |
| 36 | Kynurenine Promotes RANKL-Induced Osteoclastogenesis In Vitro by Activating the Aryl Hydrocarbon Receptor Pathway. <i>International Journal of Molecular Sciences</i> , 2020 , 21, | 6.3 | 11 |

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| 35 | Meta-Analysis and Evidence Base for the Efficacy of Autologous Bone Marrow Mesenchymal Stem Cells in Knee Cartilage Repair: Methodological Guidelines and Quality Assessment. <i>Stem Cells International</i> , 2019 , 2019, 3826054 | 5 | 17 |
| 34 | Stromal cell-derived factor-1 (CXCL12) and its role in bone and muscle biology. <i>Cytokine</i> , 2019 , 123, 1547-1553 | 12 | |
| 33 | Stromal cell-derived factor-1 as a potential therapeutic target for osteoarthritis and rheumatoid arthritis. <i>Therapeutic Advances in Chronic Disease</i> , 2019 , 10, 2040622319882531 | 4.9 | 7 |
| 32 | KYNURENINE, AN ENDOGENOUS AHR AGONIST, UPREGULATES CXCL12- AND HDAC3-TARGETING MIRNAS INHIBITING OSTEOGENESIS. <i>Innovation in Aging</i> , 2019 , 3, S946-S947 | 0.1 | 1 |
| 31 | What doesn't kill you makes you stranger: Dipeptidyl peptidase-4 (CD26) proteolysis differentially modulates the activity of many peptide hormones and cytokines generating novel cryptic bioactive ligands. <i>Pharmacology & Therapeutics</i> , 2019 , 198, 90-108 | 13.9 | 12 |
| 30 | AGE-ASSOCIATED INCREASE IN KYNURENINE INHIBITS AUTOPHAGY AND PROMOTES SENESENCE IN BONE MARROW STEM CELLS. <i>Innovation in Aging</i> , 2019 , 3, S956-S956 | 0.1 | 78 |
| 29 | AGE-ASSOCIATED INCREASE IN KYNURENINE SUPPRESSES AUTOPHAGY AND PROMOTES APOPTOSIS IN MESENCHYMAL STEM CELLS. <i>Innovation in Aging</i> , 2019 , 3, S107-S108 | 0.1 | 0 |
| 28 | PICOLINIC ACID, A TRYPTOPHAN METABOLITE, DOESN'T AFFECT BONE MINERAL DENSITY BUT UPREGULATES LIPID STORAGE GENES. <i>Innovation in Aging</i> , 2019 , 3, S100-S100 | 0.1 | 78 |
| 27 | MicroRNA-141-3p Negatively Modulates SDF-1 Expression in Age-Dependent Pathophysiology of Human and Murine Bone Marrow Stromal Cells. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 1368-1374 | 6.4 | 18 |
| 26 | Role of MicroRNA-141 in the Aging Musculoskeletal System: A Current Overview. <i>Mechanisms of Ageing and Development</i> , 2019 , 178, 9-15 | 5.6 | 11 |
| 25 | Amino acids as signaling molecules modulating bone turnover. <i>Bone</i> , 2018 , 115, 15-24 | 4.7 | 19 |
| 24 | Human Mesenchymal Stem Cells Partially Reverse Infertility in Chemotherapy-Induced Ovarian Failure. <i>Reproductive Sciences</i> , 2018 , 25, 51-63 | 3 | 60 |
| 23 | Selective serotonin re-uptake inhibitor sertraline inhibits bone healing in a calvarial defect model. <i>International Journal of Oral Science</i> , 2018 , 10, 25 | 27.9 | 9 |
| 22 | Mesenchymal stem cell expression of SDF-1 β synergizes with BMP-2 to augment cell-mediated healing of critical-sized mouse calvarial defects. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 1806-1819 | 4.4 | 20 |
| 21 | MicroRNA-183-5p Increases with Age in Bone-Derived Extracellular Vesicles, Suppresses Bone Marrow Stromal (Stem) Cell Proliferation, and Induces Stem Cell Senescence. <i>Tissue Engineering - Part A</i> , 2017 , 23, 1231-1240 | 3.9 | 125 |
| 20 | Kynurenine, a Tryptophan Metabolite That Accumulates With Age, Induces Bone Loss. <i>Journal of Bone and Mineral Research</i> , 2017 , 32, 2182-2193 | 6.3 | 61 |
| 19 | Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222 | 10.2 | 3838 |
| 18 | Tiny Bubbles; Composite Cocktails for Medical Applications. <i>International Journal of Applied Glass Science</i> , 2016 , 7, 164-172 | 1.8 | |

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|----|---|-----|-----|
| 17 | MicroRNAs-141 and 200a regulate the SVCT2 transporter in bone marrow stromal cells. <i>Molecular and Cellular Endocrinology</i> , 2015 , 410, 19-26 | 4.4 | 25 |
| 16 | Caloric restriction and the adipokine leptin alter the SDF-1 signaling axis in bone marrow and in bone marrow derived mesenchymal stem cells. <i>Molecular and Cellular Endocrinology</i> , 2015 , 410, 64-72 | 4.4 | 10 |
| 15 | The crucial role of vitamin C and its transporter (SVCT2) in bone marrow stromal cell autophagy and apoptosis. <i>Stem Cell Research</i> , 2015 , 15, 312-21 | 1.6 | 14 |
| 14 | Skeletal stem cells for bone development, homeostasis and repair: one or many?. <i>BoneKEy Reports</i> , 2015 , 4, 769 | | 3 |
| 13 | Oxidation of the aromatic amino acids tryptophan and tyrosine disrupts their anabolic effects on bone marrow mesenchymal stem cells. <i>Molecular and Cellular Endocrinology</i> , 2015 , 410, 87-96 | 4.4 | 44 |
| 12 | Inkjet-based biopatterning of SDF-1 augments BMP-2-induced repair of critical size calvarial bone defects in mice. <i>Bone</i> , 2014 , 67, 95-103 | 4.7 | 36 |
| 11 | Rapamycin up-regulation of autophagy reduces infarct size and improves outcomes in both permanent MCAL, and embolic MCAO, murine models of stroke. <i>Experimental & Translational Stroke Medicine</i> , 2014 , 6, 8 | | 61 |
| 10 | Aromatic amino acid activation of signaling pathways in bone marrow mesenchymal stem cells depends on oxygen tension. <i>PLoS ONE</i> , 2014 , 9, e91108 | 3.7 | 14 |
| 9 | Total body irradiation is permissive for mesenchymal stem cell-mediated new bone formation following local transplantation. <i>Tissue Engineering - Part A</i> , 2014 , 20, 3212-27 | 3.9 | 14 |
| 8 | Gait analysis in a pre- and post-ischemic stroke biomedical pig model. <i>Physiology and Behavior</i> , 2014 , 125, 8-16 | 3.5 | 38 |
| 7 | Knockdown of SVCT2 impairs in-vitro cell attachment, migration and wound healing in bone marrow stromal cells. <i>Stem Cell Research</i> , 2014 , 12, 354-63 | 1.6 | 19 |
| 6 | Stromal cell-derived factor-1 potentiates bone morphogenetic protein-2-stimulated osteoinduction of genetically engineered bone marrow-derived mesenchymal stem cells in vitro. <i>Tissue Engineering - Part A</i> , 2013 , 19, 1-13 | 3.9 | 35 |
| 5 | Stromal cell-derived factor-1 mediates cell survival through enhancing autophagy in bone marrow-derived mesenchymal stem cells. <i>PLoS ONE</i> , 2013 , 8, e58207 | 3.7 | 61 |
| 4 | Induction of Autophagy with rapamycin overcomes Bcl-2's deleterious effects on stroke outcome. <i>FASEB Journal</i> , 2013 , 27, lb514 | 0.9 | 1 |
| 3 | Age-related changes in the osteogenic differentiation potential of mouse bone marrow stromal cells. <i>Journal of Bone and Mineral Research</i> , 2008 , 23, 1118-28 | 6.3 | 85 |
| 2 | SDF-1 (CXCL12) is upregulated in the ischemic penumbra following stroke: association with bone marrow cell homing to injury. <i>Journal of Neuropathology and Experimental Neurology</i> , 2004 , 63, 84-96 | 3.1 | 312 |
| 1 | Long-term antioxidant administration attenuates mineralocorticoid hypertension and renal inflammatory response. <i>Hypertension</i> , 2001 , 37, 781-6 | 8.5 | 201 |