

Mei-Ling Ho

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.

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|-------------------|-------------------------|---------------|-----------------|
| 96 papers | 2,971 citations | 32 h-index | 51 g-index |
| 98 ext. papers | 3,375 ext. citations | 5 avg, IF | 4.84 L-index |

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 96 | Effect of Freshly Isolated Bone Marrow Mononuclear Cells and Cultured Bone Marrow Stromal Cells in Graft Cell Repopulation and Tendon-Bone Healing after Allograft Anterior Cruciate Ligament Reconstruction. <i>International Journal of Molecular Sciences</i> , 2021 , 22, | 6.3 | 2 |
| 95 | Simvastatin Enhances the Chondrogenesis But Not the Osteogenesis of Adipose-Derived Stem Cells in a Hyaluronan Microenvironment. <i>Biomedicines</i> , 2021 , 9, | 4.8 | 2 |
| 94 | G-Protein-Coupled Estrogen Receptor-1 Positively Regulates the Growth Plate Chondrocyte Proliferation in Female Pubertal Mice. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 710664 | 5.7 | 0 |
| 93 | Intra-articular low-dose parathyroid hormone (1-34) improves mobility and articular cartilage quality in a preclinical age-related knee osteoarthritis model. <i>Bone and Joint Research</i> , 2021 , 10, 514-525 | 4.2 | 1 |
| 92 | Cyclooxygenase-2 regulates PTHrP transcription in human articular chondrocytes and is involved in the pathophysiology of osteoarthritis in rats. <i>Journal of Orthopaedic Translation</i> , 2021 , 30, 16-30 | 4.2 | 2 |
| 91 | Discoidin domain receptor 1 regulates endochondral ossification through terminal differentiation of chondrocytes. <i>FASEB Journal</i> , 2020 , 34, 5767-5781 | 0.9 | 8 |
| 90 | Thrombomodulin Functional Domains Support Osteoblast Differentiation and Bone Healing in Diabetes in Mice. <i>Journal of Bone and Mineral Research</i> , 2020 , 35, 1812-1823 | 6.3 | 2 |
| 89 | Discoidin Domain Receptors 1 Inhibition Alleviates Osteoarthritis via Enhancing Autophagy. <i>International Journal of Molecular Sciences</i> , 2020 , 21, | 6.3 | 6 |
| 88 | Extracorporeal shock wave promotes activation of anterior cruciate ligament remnant cells and their paracrine regulation of bone marrow stromal cells proliferation, migration, collagen synthesis, and differentiation. <i>Bone and Joint Research</i> , 2020 , 9, 458-468 | 4.2 | 5 |
| 87 | G Protein-Coupled Estrogen Receptor Mediates Cell Proliferation through the cAMP/PKA/CREB Pathway in Murine Bone Marrow Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2020 , 21, | 6.3 | 8 |
| 86 | Fluorescent Nanodiamonds Enable Long-Term Detection of Human Adipose-Derived Stem/Stromal Cells in an In Vivo Chondrogenesis Model Using Decellularized Extracellular Matrices and Fibrin Glue Polymer. <i>Polymers</i> , 2019 , 11, | 4.5 | 3 |
| 85 | Alpha-5 Integrin Mediates Simvastatin-Induced Osteogenesis of Bone Marrow Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2019 , 20, | 6.3 | 12 |
| 84 | Controlled release of BMP-2 from titanium with electrodeposition modification enhancing critical size bone formation. <i>Materials Science and Engineering C</i> , 2019 , 105, 109879 | 8.3 | 19 |
| 83 | Evaluation of the Corrosion Resistance and Cytocompatibility of a Bioactive Micro-Arc Oxidation Coating on AZ31 Mg Alloy. <i>Coatings</i> , 2019 , 9, 396 | 2.9 | 9 |
| 82 | The effect of low-level laser irradiation on hyperglycemia-induced inflammation in human gingival fibroblasts. <i>Lasers in Medical Science</i> , 2019 , 34, 913-920 | 3.1 | 14 |
| 81 | The stiffness of a crosslinked hyaluronan hydrogel affects its chondro-induction activity on hADSCs. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018 , 106, 808-816 | 3.5 | 15 |
| 80 | Evaluations of clinical-grade bone substitute-combined simvastatin carriers to enhance bone growth: In vitro and in vivo analyses. <i>Journal of Bioactive and Compatible Polymers</i> , 2018 , 33, 160-177 | 2 | 2 |

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| 79 | Enhancement of chondrogenesis of adipose-derived stem cells in HA-PNIPAAm-CL hydrogel for cartilage regeneration in rabbits. <i>Scientific Reports</i> , 2018 , 8, 10526 | 4.9 | 17 |
| 78 | Hyaluronan microenvironment enhances cartilage regeneration of human adipose-derived stem cells in a chondral defect model. <i>International Journal of Biological Macromolecules</i> , 2018 , 119, 726-740 | 7.9 | 10 |
| 77 | Parathyroid hormone-(1-34) ameliorated knee osteoarthritis in rats via autophagy. <i>Journal of Applied Physiology</i> , 2018 , 124, 1177-1185 | 3.7 | 22 |
| 76 | Low power laser irradiation and human adipose-derived stem cell treatments promote bone regeneration in critical-sized calvarial defects in rats. <i>PLoS ONE</i> , 2018 , 13, e0195337 | 3.7 | 20 |
| 75 | Anti-inflammatory effects of low-level laser therapy on human periodontal ligament cells: in vitro study. <i>Lasers in Medical Science</i> , 2018 , 33, 469-477 | 3.1 | 22 |
| 74 | Hyaluronan size alters chondrogenesis of adipose-derived stem cells via the CD44/ERK/SOX-9 pathway. <i>Acta Biomaterialia</i> , 2018 , 66, 224-237 | 10.8 | 29 |
| 73 | Combination of a Bioceramic Scaffold and Simvastatin Nanoparticles as a Synthetic Alternative to Autologous Bone Grafting. <i>International Journal of Molecular Sciences</i> , 2018 , 19, | 6.3 | 7 |
| 72 | (-)-Epigallocatechin-3-Gallate (EGCG) Enhances Osteogenic Differentiation of Human Bone Marrow Mesenchymal Stem Cells. <i>Molecules</i> , 2018 , 23, | 4.8 | 32 |
| 71 | PLGA-linked alendronate enhances bone repair in diaphysis defect model. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 2603-2612 | 4.4 | 8 |
| 70 | The Fractionated <i>Toona sinensis</i> Leaf Extract Induces Apoptosis of Human Osteosarcoma Cells and Inhibits Tumor Growth in a Murine Xenograft Model. <i>Integrative Cancer Therapies</i> , 2017 , 16, 397-405 | 3 | 6 |
| 69 | One-Year Readmission Risk and Mortality after Hip Fracture Surgery: A National Population-Based Study in Taiwan 2017 , 8, 402-409 | | 18 |
| 68 | Liposomal Encapsulation for Systemic Delivery of Propranolol via Transdermal Iontophoresis Improves Bone Microarchitecture in Ovariectomized Rats. <i>International Journal of Molecular Sciences</i> , 2017 , 18, | 6.3 | 19 |
| 67 | Myeloid thrombomodulin lectin-like domain inhibits osteoclastogenesis and inflammatory bone loss. <i>Scientific Reports</i> , 2016 , 6, 28340 | 4.9 | 9 |
| 66 | Parathyroid hormone 1-34 reduces dexamethasone-induced terminal differentiation in human articular chondrocytes. <i>Toxicology</i> , 2016 , 368-369, 116-128 | 4.4 | 7 |
| 65 | Characterization of a Novel Dermal Fibrosis Model Induced by Areca Nut Extract that Mimics Oral Submucous Fibrosis. <i>PLoS ONE</i> , 2016 , 11, e0166454 | 3.7 | 10 |
| 64 | Estrogen receptor mediates simvastatin-stimulated osteogenic effects in bone marrow mesenchymal stem cells. <i>Biochemical Pharmacology</i> , 2015 , 98, 453-64 | 6 | 11 |
| 63 | Simvastatin enhances Rho/actin/cell rigidity pathway contributing to mesenchymal stem cellsV osteogenic differentiation. <i>International Journal of Nanomedicine</i> , 2015 , 10, 5881-94 | 7.3 | 26 |
| 62 | Combination of calcium sulfate and simvastatin-controlled release microspheres enhances bone repair in critical-sized rat calvarial bone defects. <i>International Journal of Nanomedicine</i> , 2015 , 10, 7231-40 | 7.3 | 15 |

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|----|--|-----|-----|
| 61 | Suppression of discoidin domain receptor 1 expression enhances the chondrogenesis of adipose-derived stem cells. <i>American Journal of Physiology - Cell Physiology</i> , 2015 , 308, C685-96 | 5.4 | 7 |
| 60 | Characterization and evaluation of the differentiation ability of human adipose-derived stem cells growing in scaffold-free suspension culture. <i>Cytotherapy</i> , 2014 , 16, 485-95 | 4.8 | 16 |
| 59 | Synthesis and characterization of cationic polymeric nanoparticles as simvastatin carriers for enhancing the osteogenesis of bone marrow mesenchymal stem cells. <i>Journal of Colloid and Interface Science</i> , 2014 , 432, 190-9 | 9.3 | 37 |
| 58 | A novel anabolic agent: a simvastatin analogue without HMG-CoA reductase inhibitory activity. <i>Organic Letters</i> , 2014 , 16, 4376-9 | 6.2 | 4 |
| 57 | Effect of low level laser therapy on chronic compression of the dorsal root ganglion. <i>PLoS ONE</i> , 2014 , 9, e89894 | 3.7 | 20 |
| 56 | The susceptible alendronate-treatment timing and dosage for osteogenesis enhancement in human bone marrow-derived stem cells. <i>PLoS ONE</i> , 2014 , 9, e105705 | 3.7 | 9 |
| 55 | A novel single pulsed electromagnetic field stimulates osteogenesis of bone marrow mesenchymal stem cells and bone repair. <i>PLoS ONE</i> , 2014 , 9, e91581 | 3.7 | 44 |
| 54 | Low-level laser irradiation improves functional recovery and nerve regeneration in sciatic nerve crush rat injury model. <i>PLoS ONE</i> , 2014 , 9, e103348 | 3.7 | 50 |
| 53 | Simvastatin enhances human osteoblast proliferation involved in mitochondrial energy generation. <i>European Journal of Pharmacology</i> , 2013 , 714, 74-82 | 5.3 | 15 |
| 52 | Preparation of porous bioceramics using reverse thermo-responsive hydrogels in combination with rhBMP-2 carriers: in vitro and in vivo evaluation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013 , 27, 64-76 | 4.1 | 16 |
| 51 | PPAR δ silencing enhances osteogenic differentiation of human adipose-derived mesenchymal stem cells. <i>Journal of Cellular and Molecular Medicine</i> , 2013 , 17, 1188-93 | 5.6 | 25 |
| 50 | Cationic nanoparticles with quaternary ammonium-functionalized PLGAPEG-based copolymers for potent gene transfection. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1 | 2.3 | 5 |
| 49 | Electromagnetic fields enhance chondrogenesis of human adipose-derived stem cells in a chondrogenic microenvironment in vitro. <i>Journal of Applied Physiology</i> , 2013 , 114, 647-55 | 3.7 | 40 |
| 48 | Hyaluronan initiates chondrogenesis mainly via CD44 in human adipose-derived stem cells. <i>Journal of Applied Physiology</i> , 2013 , 114, 1610-8 | 3.7 | 52 |
| 47 | Novel biodegradable porous scaffold applied to skin regeneration. <i>PLoS ONE</i> , 2013 , 8, e56330 | 3.7 | 102 |
| 46 | (-)-Epigallocatechin-3-gallate improves bone microarchitecture in ovariectomized rats. <i>Menopause</i> , 2013 , 20, 687-94 | 2.5 | 41 |
| 45 | Local delivery of controlled-release simvastatin/PLGA/HAp microspheres enhances bone repair. <i>International Journal of Nanomedicine</i> , 2013 , 8, 3895-904 | 7.3 | 46 |
| 44 | Transcriptional Regulation of the Group IIA Secretory Phospholipase A2 Gene by C/EBP in Rat liver and its Relationship to Hepatic Gluconeogenesis during Sepsis. <i>Emergency Medicine: Open Access</i> , 2013 , 3, 151 | 1 | 1 |

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| 43 | Low-power laser irradiation suppresses inflammatory response of human adipose-derived stem cells by modulating intracellular cyclic AMP level and NF- κ B activity. <i>PLoS ONE</i> , 2013 , 8, e54067 | 3.7 | 66 |
| 42 | KMUP-1 suppresses RANKL-induced osteoclastogenesis and prevents ovariectomy-induced bone loss: roles of MAPKs, Akt, NF- κ B and calcium/calcineurin/NFATc1 pathways. <i>PLoS ONE</i> , 2013 , 8, e69468 | 3.7 | 22 |
| 41 | Synthesis of aminoalkoxy substituted 4,5-diphenylisoxazole derivatives as potential anti-osteoporotic agents. <i>Medicinal Chemistry</i> , 2013 , 9, 748-55 | 1.8 | 6 |
| 40 | Proliferation and differentiation potential of human adipose-derived mesenchymal stem cells isolated from elderly patients with osteoporotic fractures. <i>Journal of Cellular and Molecular Medicine</i> , 2012 , 16, 582-93 | 5.6 | 156 |
| 39 | Low-power GaAlAs laser irradiation promotes the proliferation and osteogenic differentiation of stem cells via IGF1 and BMP2. <i>PLoS ONE</i> , 2012 , 7, e44027 | 3.7 | 33 |
| 38 | Sustained release of PTH(1-34) from PLGA microspheres suppresses osteoarthritis progression in rats. <i>Acta Biomaterialia</i> , 2012 , 8, 2254-62 | 10.8 | 56 |
| 37 | Constitutively expressed COX-2 in osteoblasts positively regulates Akt signal transduction via suppression of PTEN activity. <i>Bone</i> , 2011 , 48, 286-97 | 4.7 | 27 |
| 36 | Characterization and enhancement of chondrogenesis in porous hyaluronic acid-modified scaffolds made of PLGA(75/25) blended with PEI-grafted PLGA(50/50). <i>Materials Science and Engineering C</i> , 2011 , 31, 1343-1351 | 8.3 | 12 |
| 35 | Discovery of indeno[1,2-c]quinoline derivatives as inhibitors of osteoclastogenesis induced by receptor activator of NF- κ B ligand (RANKL). <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 3103-7 | 8.3 | 20 |
| 34 | Low-magnitude vertical vibration enhances myotube formation in C2C12 myoblasts. <i>Journal of Applied Physiology</i> , 2010 , 109, 840-8 | 3.7 | 28 |
| 33 | (-)-N-Formylanonaine from <i>Michelia alba</i> as a human tyrosinase inhibitor and antioxidant. <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 5241-7 | 3.4 | 61 |
| 32 | Tyrosinase inhibition, free radical scavenging, antimicroorganism and anticancer proliferation activities of <i>Sapindus mukorossi</i> extracts. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2010 , 41, 129-135 | 5.3 | 50 |
| 31 | The PI3K/Akt/FOXO3a/p27Kip1 signaling contributes to anti-inflammatory drug-suppressed proliferation of human osteoblasts. <i>Biochemical Pharmacology</i> , 2010 , 79, 926-37 | 6 | 33 |
| 30 | DDR1 regulates the stabilization of cell surface E-cadherin and E-cadherin-mediated cell aggregation. <i>Journal of Cellular Physiology</i> , 2010 , 224, 387-97 | 7 | 40 |
| 29 | Enhancement of chondrogenesis of human adipose derived stem cells in a hyaluronan-enriched microenvironment. <i>Biomaterials</i> , 2010 , 31, 631-40 | 15.6 | 102 |
| 28 | The effect of the local delivery of alendronate on human adipose-derived stem cell-based bone regeneration. <i>Biomaterials</i> , 2010 , 31, 8674-83 | 15.6 | 92 |
| 27 | Microporation is a valuable transfection method for gene expression in human adipose tissue-derived stem cells. <i>Molecular Therapy</i> , 2009 , 17, 302-8 | 11.7 | 35 |
| 26 | Synthesis of calcium phosphates and porous hydroxyapatite beads prepared by emulsion method. <i>Materials Chemistry and Physics</i> , 2009 , 113, 365-371 | 4.4 | 29 |

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|----|--|------|-----|
| 25 | Parathyroid hormone 1-34 inhibits terminal differentiation of human articular chondrocytes and osteoarthritis progression in rats. <i>Arthritis and Rheumatism</i> , 2009 , 60, 3049-60 | | 86 |
| 24 | Anti-inflammatory drugs suppress proliferation and induce apoptosis through altering expressions of cell cycle regulators and pro-apoptotic factors in cultured human osteoblasts. <i>Toxicology</i> , 2009 , 258, 148-56 | 4.4 | 88 |
| 23 | BMP-2 plasmid loaded PLGA/HAP composite scaffolds for treatment of bone defects in nude mice. <i>Biomaterials</i> , 2009 , 30, 892-901 | 15.6 | 106 |
| 22 | Different differentiation of stroma cells from patients with osteonecrosis: a pilot study. <i>Clinical Orthopaedics and Related Research</i> , 2009 , 467, 2159-67 | 2.2 | 16 |
| 21 | Controlled-release of rhBMP-2 carriers in the regeneration of osteonecrotic bone. <i>Biomaterials</i> , 2009 , 30, 4178-86 | 15.6 | 68 |
| 20 | Synthesis and anti-osteoporotic evaluation of certain 3-amino-2-hydroxypropoxyisoflavone derivatives. <i>European Journal of Medicinal Chemistry</i> , 2009 , 44, 3621-6 | 6.8 | 10 |
| 19 | (-)-Epigallocatechin gallate inhibition of osteoclastic differentiation via NF-kappaB. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 379, 1033-7 | 3.4 | 69 |
| 18 | Pioglitazone and dexamethasone induce adipogenesis in D1 bone marrow stromal cell line, but not through the peroxisome proliferator-activated receptor-gamma pathway. <i>Life Sciences</i> , 2008 , 82, 561-9 | 6.8 | 18 |
| 17 | Volar plate interposition arthroplasty for posttraumatic arthritis of the finger joints. <i>Journal of Hand Surgery</i> , 2008 , 33, 35-9 | 2.6 | 8 |
| 16 | Longitudinal changes in bone mineral density of healthy elderly men in southern Taiwan. <i>Journal of the Formosan Medical Association</i> , 2008 , 107, 653-8 | 3.2 | 9 |
| 15 | Ethanol may suppress Wnt/beta-catenin signaling on human bone marrow stroma cells: a preliminary study. <i>Clinical Orthopaedics and Related Research</i> , 2008 , 466, 1047-53 | 2.2 | 39 |
| 14 | Optimized bone regeneration based on sustained release from three-dimensional fibrous PLGA/HAP composite scaffolds loaded with BMP-2. <i>Biotechnology and Bioengineering</i> , 2008 , 99, 996-1006 | 4.9 | 149 |
| 13 | Effects of anti-inflammatory drugs on proliferation, cytotoxicity and osteogenesis in bone marrow mesenchymal stem cells. <i>Biochemical Pharmacology</i> , 2007 , 74, 1371-82 | 6 | 75 |
| 12 | Effects of non-steroidal anti-inflammatory drugs on cell proliferation and death in cultured epiphyseal-articular chondrocytes of fetal rats. <i>Toxicology</i> , 2006 , 228, 111-23 | 4.4 | 31 |
| 11 | A novel terminal differentiation model of human articular chondrocytes in three-dimensional cultures mimicking chondrocytic changes in osteoarthritis. <i>Cell Biology International</i> , 2006 , 30, 288-94 | 4.5 | 8 |
| 10 | Osteogenic gene expression decreases in stromal cells of patients with osteonecrosis. <i>Clinical Orthopaedics and Related Research</i> , 2006 , 453, 286-92 | 2.2 | 22 |
| 9 | Identification of USF2 as a key regulator of Runx2 expression in mouse pluripotent mesenchymal D1 cells. <i>Molecular and Cellular Biochemistry</i> , 2006 , 292, 79-88 | 4.2 | 4 |
| 8 | Down-regulation of N-methyl D-aspartate receptor in rat-modeled disuse osteopenia. <i>Osteoporosis International</i> , 2005 , 16, 1780-8 | 5.3 | 33 |

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| 7 | Green tea catechin enhances osteogenesis in a bone marrow mesenchymal stem cell line. <i>Osteoporosis International</i> , 2005 , 16, 2039-45 | 5.3 | 148 |
| 6 | Nonsteroidal anti-inflammatory drug effects on osteoblastic cell cycle, cytotoxicity, and cell death. <i>Connective Tissue Research</i> , 2005 , 46, 200-10 | 3.3 | 54 |
| 5 | Effects of nonsteroidal anti-inflammatory drugs on transforming growth factor-beta expression and bioactivity in rat osteoblast-enriched culture. <i>Kaohsiung Journal of Medical Sciences</i> , 2003 , 19, 278-88 | 2.4 | 2 |
| 4 | Sexually dimorphic effect of glutamate treatment on cell cycle arrestment of astrocytes from the preoptic area of neonatal rats. <i>Developmental Neuroscience</i> , 2001 , 23, 399-405 | 2.2 | 9 |
| 3 | NONSTEROIDAL ANTI-INFLAMMATORY DRUGS ARREST CELL CYCLE IN G0/G1PHASE AND INDUCE CELL DEATH IN OSTEOLAST-ENRICHED CULTURES. <i>Journal of Musculoskeletal Research</i> , 2001 , 05, 279-289 | 2.1 | 4 |
| 2 | Effects of nonsteroidal anti-inflammatory drugs and prostaglandins on osteoblastic functions. <i>Biochemical Pharmacology</i> , 1999 , 58, 983-90 | 6 | 70 |
| 1 | Effects of ketorolac on bone repair: A radiographic study in modeled demineralized bone matrix grafted rabbits. <i>Pharmacology</i> , 1998 , 57, 148-59 | 2.3 | 49 |