

Mei-Ling Ho

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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.

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	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
95	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
94	Green tea catechin enhances osteogenesis in a bone marrow mesenchymal stem cell line. <i>Osteoporosis International</i> , 2005 , 16, 2039-45	5.3	148
93	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
92	Novel biodegradable porous scaffold applied to skin regeneration. <i>PLoS ONE</i> , 2013 , 8, e56330	3.7	102
91	Enhancement of chondrogenesis of human adipose derived stem cells in a hyaluronan-enriched microenvironment. <i>Biomaterials</i> , 2010 , 31, 631-40	15.6	102
90	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
89	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
88	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
87	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
86	Effects of nonsteroidal anti-inflammatory drugs and prostaglandins on osteoblastic functions. <i>Biochemical Pharmacology</i> , 1999 , 58, 983-90	6	70
85	(-)-Epigallocatechin gallate inhibition of osteoclastic differentiation via NF-kappaB. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 379, 1033-7	3.4	69
84	Controlled-release of rhBMP-2 carriers in the regeneration of osteonecrotic bone. <i>Biomaterials</i> , 2009 , 30, 4178-86	15.6	68
83	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
82	(-)-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
81	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
80	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

79	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
78	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
77	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
76	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
75	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
74	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
73	(-)-Epigallocatechin-3-gallate improves bone microarchitecture in ovariectomized rats. <i>Menopause</i> , 2013 , 20, 687-94	2.5	41
72	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
71	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
70	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
69	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
68	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
67	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
66	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
65	Down-regulation of N-methyl D-aspartate receptor in rat-modeled disuse osteopenia. <i>Osteoporosis International</i> , 2005 , 16, 1780-8	5.3	33
64	(-)-Epigallocatechin-3-Gallate (EGCG) Enhances Osteogenic Differentiation of Human Bone Marrow Mesenchymal Stem Cells. <i>Molecules</i> , 2018 , 23,	4.8	32
63	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
62	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

61	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
60	Low-magnitude vertical vibration enhances myotube formation in C2C12 myoblasts. <i>Journal of Applied Physiology</i> , 2010 , 109, 840-8	3.7	28
59	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
58	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
57	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
56	Parathyroid hormone-(1-34) ameliorated knee osteoarthritis in rats via autophagy. <i>Journal of Applied Physiology</i> , 2018 , 124, 1177-1185	3.7	22
55	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
54	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
53	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
52	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
51	Effect of low level laser therapy on chronic compression of the dorsal root ganglion. <i>PLoS ONE</i> , 2014 , 9, e89894	3.7	20
50	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
49	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
48	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
47	One-Year Readmission Risk and Mortality after Hip Fracture Surgery: A National Population-Based Study in Taiwan 2017 , 8, 402-409		18
46	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
45	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
44	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

43	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
42	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
41	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
40	Simvastatin enhances human osteoblast proliferation involved in mitochondrial energy generation. <i>European Journal of Pharmacology</i> , 2013 , 714, 74-82	5.3	15
39	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
38	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
37	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
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	Estrogen receptor mediates simvastatin-stimulated osteogenic effects in bone marrow mesenchymal stem cells. <i>Biochemical Pharmacology</i> , 2015 , 98, 453-64	6	11
34	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
33	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
32	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
31	Myeloid thrombomodulin lectin-like domain inhibits osteoclastogenesis and inflammatory bone loss. <i>Scientific Reports</i> , 2016 , 6, 28340	4.9	9
30	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
29	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
28	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
27	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
26	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

25	Discoidin domain receptor 1 regulates endochondral ossification through terminal differentiation of chondrocytes. <i>FASEB Journal</i> , 2020 , 34, 5767-5781	0.9	8
24	Volar plate interposition arthroplasty for posttraumatic arthritis of the finger joints. <i>Journal of Hand Surgery</i> , 2008 , 33, 35-9	2.6	8
23	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
22	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
21	Parathyroid hormone 1-34 reduces dexamethasone-induced terminal differentiation in human articular chondrocytes. <i>Toxicology</i> , 2016 , 368-369, 116-128	4.4	7
20	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
19	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
18	The Fractionated Toona sinensis 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
17	Synthesis of aminoalkoxy substituted 4,5-diphenylisoxazole derivatives as potential anti-osteoporotic agents. <i>Medicinal Chemistry</i> , 2013 , 9, 748-55	1.8	6
16	Discoidin Domain Receptors 1 Inhibition Alleviates Osteoarthritis via Enhancing Autophagy. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
15	Cationic nanoparticles with quaternary ammonium-functionalized PLGA/PEG-based copolymers for potent gene transfection. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	5
14	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
13	A novel anabolic agent: a simvastatin analogue without HMG-CoA reductase inhibitory activity. <i>Organic Letters</i> , 2014 , 16, 4376-9	6.2	4
12	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
11	NONSTEROIDAL ANTI-INFLAMMATORY DRUGS ARREST CELL CYCLE IN G0/G1PHASE AND INDUCE CELL DEATH IN OSTEOBLAST-ENRICHED CULTURES. <i>Journal of Musculoskeletal Research</i> , 2001 , 05, 279-289	0.1	4
10	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
9	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
8	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

7	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
6	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
5	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
4	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
3	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
2	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
1	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