## Chun-Hao Tsai

List of Publications by Year in descending order

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117625 182427 3,636 115 34 51 citations h-index g-index papers 119 119 119 5006 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Implications of Angiogenesis Involvement in Arthritis. International Journal of Molecular Sciences, 2018, 19, 2012.	4.1	146
2	Interleukin-6 induces vascular endothelial growth factor expression and promotes angiogenesis through apoptosis signal-regulating kinase 1 in human osteosarcoma. Biochemical Pharmacology, 2013, 85, 531-540.	4.4	115
3	Melatonin attenuates TNFâ€Î± and ILâ€1β expression in synovial fibroblasts and diminishes cartilage degradation: Implications for the treatment of rheumatoid arthritis. Journal of Pineal Research, 2019, 66, e12560.	7.4	115
4	CYR61 Regulates BMP-2-dependent Osteoblast Differentiation through the $\hat{l}\pm v\hat{l}^2$ 3 Integrin/Integrin-linked Kinase/ERK Pathway. Journal of Biological Chemistry, 2010, 285, 31325-31336.	3.4	103
5	Osteopontin increases migration and MMPâ€9 upâ€regulation via αvβ3 integrin, FAK, ERK, and NFâ€PBâ€depend pathway in human chondrosarcoma cells. Journal of Cellular Physiology, 2009, 221, 98-108.	dent 4.1	102
6	The epidemiology of traumatic humeral shaft fractures in Taiwan. International Orthopaedics, 2009, 33, 463-467.	1.9	79
7	Soya-cerebroside reduces IL- $1\hat{l}^2$ -induced MMP-1 production in chondrocytes and inhibits cartilage degradation: implications for the treatment of osteoarthritis. Food and Agricultural Immunology, 2019, 30, 620-632.	1.4	79
8	CTGF promotes osteosarcoma angiogenesis by regulating miR-543/angiopoietin 2 signaling. Cancer Letters, 2017, 391, 28-37.	7.2	73
9	Resistin promotes tumor metastasis by down-regulation of miR-519d through the AMPK/p38 signaling pathway in human chondrosarcoma cells. Oncotarget, 2015, 6, 258-270.	1.8	73
10	Endoscopic discectomy of L5-S1 disc herniation via an interlaminar approach: Prospective controlled study under local and general anesthesia., 2011, 2, 93.		71
11	Thrombospondin-2 promotes prostate cancer bone metastasis by the up-regulation of matrix metalloproteinase-2 through down-regulating miR-376c expression. Journal of Hematology and Oncology, 2017, 10, 33.	17.0	69
12	CCL5 promotes vascular endothelial growth factor expression and induces angiogenesis by down-regulating miR-199a in human chondrosarcoma cells. Cancer Letters, 2015, 357, 476-487.	7.2	68
13	Improved Bioactivity of 3D Printed Porous Titanium Alloy Scaffold with Chitosan/Magnesium-Calcium Silicate Composite for Orthopaedic Applications. Materials, 2019, 12, 203.	2.9	62
14	Noggin Inhibits IL- $1\hat{1}^2$ and BMP-2 Expression, and Attenuates Cartilage Degeneration and Subchondral Bone Destruction in Experimental Osteoarthritis. Cells, 2020, 9, 927.	4.1	62
15	Visfatin Promotes IL-6 and TNF-α Production in Human Synovial Fibroblasts by Repressing miR-199a-5p through ERK, p38 and JNK Signaling Pathways. International Journal of Molecular Sciences, 2018, 19, 190.	4.1	61
16	Leptin Induces IL-6 Expression through OBRI Receptor Signaling Pathway in Human Synovial Fibroblasts. PLoS ONE, 2013, 8, e75551.	2.5	60
17	WISP-1 positively regulates angiogenesis by controlling VEGF-A expression in human osteosarcoma. Cell Death and Disease, 2017, 8, e2750-e2750.	6.3	60
18	Resistin Promotes Angiogenesis in Endothelial Progenitor Cells Through Inhibition of MicroRNA206: Potential Implications for Rheumatoid Arthritis. Stem Cells, 2015, 33, 2243-2255.	3.2	57

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19	Berberine attenuates CCN2-induced IL- $1\hat{l}^2$ expression and prevents cartilage degradation in a rat model of osteoarthritis. Toxicology and Applied Pharmacology, 2015, 289, 20-29.	2.8	57
20	Interleukin- $\hat{\Pi}^2$ induces fibroblast growth factor 2 expression and subsequently promotes endothelial progenitor cell angiogenesis in chondrocytes. Clinical Science, 2016, 130, 667-681.	4.3	55
21	Amphiregulin enhances VEGF-A production in human chondrosarcoma cells and promotes angiogenesis by inhibiting miR-206 via FAK/c-Src/PKCδ pathway. Cancer Letters, 2017, 385, 261-270.	7.2	50
22	Glucose suppresses ILâ€1βâ€induced MMPâ€1 expression through the FAK, MEK, ERK, and APâ€1 signaling pathways. Environmental Toxicology, 2018, 33, 1061-1068.	4.0	49
23	Associations between Adipokines in Arthritic Disease and Implications for Obesity. International Journal of Molecular Sciences, 2019, 20, 1505.	4.1	49
24	Myostatin Promotes Interleukin- $\hat{\Pi}^2$ Expression in Rheumatoid Arthritis Synovial Fibroblasts through Inhibition of miR-21-5p. Frontiers in Immunology, 2017, 8, 1747.	4.8	48
25	Quercetin 3-O-methyl ether protects FL83B cells from copper induced oxidative stress through the PI3K/Akt and MAPK/Erk pathway. Toxicology and Applied Pharmacology, 2012, 264, 104-113.	2.8	45
26	Stromal cellâ€derived factorâ€1/CXCR4 promotes ILâ€6 production in human synovial fibroblasts. Journal of Cellular Biochemistry, 2011, 112, 1219-1227.	2.6	42
27	Primary traumatic patellar dislocation. Journal of Orthopaedic Surgery and Research, 2012, 7, 21.	2.3	42
28	Leptin Induces Oncostatin M Production in Osteoblasts by Downregulating miR-93 through the Akt Signaling Pathway. International Journal of Molecular Sciences, 2014, 15, 15778-15790.	4.1	41
29	Resistin facilitates VEGF-A-dependent angiogenesis by inhibiting miR-16-5p in human chondrosarcoma cells. Cell Death and Disease, 2019, 10, 31.	6.3	40
30	High glucose induces vascular endothelial growth factor production in human synovial fibroblasts through reactive oxygen species generation. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 2649-2658.	2.4	39
31	CCN3 increases cell motility and MMP-13 expression in human chondrosarcoma through integrin-dependent pathway. Journal of Cellular Physiology, 2011, 226, 3181-3189.	4.1	38
32	<i>Momordica charantia</i> Extract Induces Apoptosis in Human Cancer Cells through Caspase- and Mitochondria-Dependent Pathways. Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-11.	1.2	38
33	AMP-activated protein kinase activation mediates CCL3-induced cell migration and matrix metalloproteinase-2 expression in human chondrosarcoma. Cell Communication and Signaling, 2013, 11, 68.	6.5	38
34	Betulin suppresses TNF- $\hat{l}\pm$ and IL- $1\hat{l}^2$ production in osteoarthritis synovial fibroblasts by inhibiting the MEK/ERK/NF- $\hat{l}^0$ B pathway. Journal of Functional Foods, 2021, 86, 104729.	3.4	38
35	CCN3 increases BMPâ€4 expression and bone mineralization in osteoblasts. Journal of Cellular Physiology, 2012, 227, 2531-2541.	4.1	37
36	YKL-40-Induced Inhibition of miR-590-3p Promotes Interleukin-18 Expression and Angiogenesis of Endothelial Progenitor Cells. International Journal of Molecular Sciences, 2017, 18, 920.	4.1	37

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37	Hepatocyte Growth Factor Increases Vascular Endothelial Growth Factor-A Production in Human Synovial Fibroblasts through c-Met Receptor Pathway. PLoS ONE, 2012, 7, e50924.	2.5	36
38	TGF- $\hat{l}^21$ enhances FOXO3 expression in human synovial fibroblasts by inhibiting miR-92a through AMPK and p38 pathways. Aging, 2019, 11, 4075-4089.	3.1	36
39	Using the Growth Factors-enriched Platelet Glue in Spinal Fusion and its Efficiency. Journal of Spinal Disorders and Techniques, 2009, 22, 246-250.	1.9	35
40	Soya-cerebroside, an extract of Cordyceps militaris, suppresses monocyte migration and prevents cartilage degradation in inflammatory animal models. Scientific Reports, 2017, 7, 43205.	3.3	35
41	Osteopontin inhibition of miR-129-3p enhances IL-17 expression and monocyte migration in rheumatoid arthritis. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 15-22.	2.4	35
42	Transforming growth factor $\hat{I}^21$ enhances heme oxygenase 1 expression in human synovial fibroblasts by inhibiting microRNA 519b synthesis. PLoS ONE, 2017, 12, e0176052.	2.5	35
43	Fat Embolism Syndrome in Long Bone Fracture—Clinical Experience in a Tertiary Referral Center in Taiwan. Journal of the Chinese Medical Association, 2010, 73, 407-410.	1.4	33
44	Fracture as an Independent Risk Factor of Dementia. Medicine (United States), 2014, 93, e188.	1.0	33
45	Sphingosineâ€1â€phosphate suppresses chondrosarcoma metastasis by upregulation of tissue inhibitor of metalloproteinase 3 through suppressing miRâ€101 expression. Molecular Oncology, 2017, 11, 1380-1398.	4.6	32
46	Time Trend of Multiple Myeloma and Associated Secondary Primary Malignancies in Asian Patients: A Taiwan Population–Based Study. PLoS ONE, 2013, 8, e68041.	2.5	32
47	The Impact of Oral Hygiene Maintenance on the Association Between Periodontitis and Osteoporosis. Medicine (United States), 2016, 95, e2348.	1.0	31
48	Thrombin enhanced migration and MMPs expression of human chondrosarcoma cells involves PAR receptor signaling pathway. Journal of Cellular Physiology, 2010, 223, 737-745.	4.1	30
49	Underexpression of LKB1 tumor suppressor is associated with enhanced Wnt signaling and malignant characteristics of human intrahepatic cholangiocarcinoma. Oncotarget, 2015, 6, 18905-18920.	1.8	30
50	Domain-specific suppression of auditory mismatch negativity with transcranial direct current stimulation. Clinical Neurophysiology, 2014, 125, 585-592.	1.5	29
51	Distances between bony landmarks and adjacent nerves: anatomical factors that may influence retractor placement in total hip replacement surgery. Journal of Orthopaedic Surgery and Research, 2016, 11, 31.	2.3	29
52	Apelin Affects the Progression of Osteoarthritis by Regulating VEGF-Dependent Angiogenesis and miR-150-5p Expression in Human Synovial Fibroblasts. Cells, 2020, 9, 594.	4.1	29
53	Visfatin Increases VEGF-Dependent Angiogenesis of Endothelial Progenitor Cells during Osteoarthritis Progression. Cells, 2020, 9, 1315.	4.1	28
54	miRâ€144â€3p ameliorates the progression of osteoarthritis by targeting ILâ€1β: Potential therapeutic implications. Journal of Cellular Physiology, 2021, 236, 6988-7000.	4.1	28

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55	CCN4 induces vascular cell adhesion molecule-1 expression in human synovial fibroblasts and promotes monocyte adhesion. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 966-975.	4.1	27
56	Basic fibroblast growth factor promotes VEGF-C-dependent lymphangiogenesis via inhibition of miR-381 in human chondrosarcoma cells. Oncotarget, 2016, 7, 38566-38578.	1.8	27
57	CCN1 Induces Oncostatin M Production in Osteoblasts via Integrin-Dependent Signal Pathways. PLoS ONE, 2014, 9, e106632.	2.5	26
58	Trends and predictors of mortality in unstable pelvic ring fracture: a 10-year experience with a multidisciplinary institutional protocol. World Journal of Emergency Surgery, 2019, 14, 61.	5.0	26
59	Amphiregulin enhances alpha6beta1 integrin expression and cell motility in human chondrosarcoma cells through Ras/Raf/MEK/ERK/AP-1 pathway. Oncotarget, 2015, 6, 11434-11446.	1.8	26
60	Late Migration of Threaded Wire (Schanz Screw) from Right Distal Clavicle to the Cervical Spine. Journal of the Chinese Medical Association, 2009, 72, 48-51.	1.4	25
61	The Accuracy of 3D Printing Assistance in the Spinal Deformity Surgery. BioMed Research International, 2019, 2019, 1-9.	1.9	25
62	Basic fibroblast growth factor induces VEGF expression in chondrosarcoma cells and subsequently promotes endothelial progenitor cell-primed angiogenesis. Clinical Science, 2015, 129, 147-158.	4.3	24
63	Gout increases risk of fracture. Medicine (United States), 2016, 95, e4669.	1.0	24
64	miR-let-7c-5p and miR-149-5p inhibit proinflammatory cytokine production in osteoarthritis and rheumatoid arthritis synovial fibroblasts. Aging, 2021, 13, 17227-17236.	3.1	24
65	Treatment for ipsilateral fractures of femoral neck and shaft. Injury, 2009, 40, 778-782.	1.7	21
66	Clinical outcome and radiographic change of ipsilateral scapular neck and clavicular shaft fracture: comparison of operation and conservative treatment. Journal of Orthopaedic Surgery and Research, 2015, 10, 9.	2.3	21
67	Radix Paeoniae Rubra stimulates osteoclast differentiation by activation of the NF-κB and mitogen-activated protein kinase pathways. BMC Complementary and Alternative Medicine, 2018, 18, 132.	3.7	21
68	Dental Prophylaxis and Osteoradionecrosis: A Population-Based Study. Journal of Dental Research, 2017, 96, 531-538.	5.2	20
69	Bacteremia Coexisting With Tophaceous Gout of the Spine Mimicking Spondylodiscitis. Spine, 2009, 34, E106-E109.	2.0	19
70	The Evaluation of Bladder Symptoms in Patients With Lumbar Compression Disorders Who Have Undergone Decompressive Surgery. Spine, 2010, 35, E849-E854.	2.0	19
71	BMP-7 Enhances Cell Migration and $\hat{l}\pm v\hat{l}^2$ 3 Integrin Expression via a c-Src-Dependent Pathway in Human Chondrosarcoma Cells. PLoS ONE, 2014, 9, e112636.	2.5	19
72	S1P Increases VEGF Production in Osteoblasts and Facilitates Endothelial Progenitor Cell Angiogenesis by Inhibiting miR-16-5p Expression via the c-Src/FAK Signaling Pathway in Rheumatoid Arthritis. Cells, 2021, 10, 2168.	4.1	19

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73	Endothelin-1 promotes epithelial-mesenchymal transition in human chondrosarcoma cells by repressing miR-300. Oncotarget, 2016, 7, 70232-70246.	1.8	19
74	Involvement of integrin upâ€regulation in RANKL/RANK pathway of chondrosarcomas migration. Journal of Cellular Biochemistry, 2010, 111, 138-147.	2.6	18
75	Thrombin induces heme oxygenase-1 expression in human synovial fibroblasts through protease-activated receptor signaling pathways. Arthritis Research and Therapy, 2012, 14, R91.	3.5	18
76	CCN2 promotes drug resistance in osteosarcoma by enhancing ABCG2 expression. Journal of Cellular Physiology, 2019, 234, 9297-9307.	4.1	18
77	Resistin enhances ILâ€1β and TNFâ€Î± expression in human osteoarthritis synovial fibroblasts by inhibiting miRâ€149 expression via the MEK and ERK pathways. FASEB Journal, 2020, 34, 13671-13684.	0.5	18
78	S1P promotes IL-6 expression in osteoblasts through the PI3K, MEK/ERK and NF-κB signaling pathways. International Journal of Medical Sciences, 2020, 17, 1207-1214.	2.5	18
79	Antcin K inhibits VCAM-1-dependent monocyte adhesion in human rheumatoid arthritis synovial fibroblasts. Food and Nutrition Research, 0, 66, .	2.6	18
80	Apelin enhances IL- $\hat{\Pi}^2$ expression in human synovial fibroblasts by inhibiting miR-144-3p through the PI3K and ERK pathways. Aging, 2020, 12, 9224-9239.	3.1	17
81	Antimigratory Effects of the Methanol Extract from (i) Momordica charantia (i) on Human Lung Adenocarcinoma CL1 Cells. Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-12.	1.2	15
82	Chemokine C-C Motif Ligand 4 Gene Polymorphisms Associated with Susceptibility to Rheumatoid Arthritis. BioMed Research International, 2018, 2018, 1-7.	1.9	15
83	A Minimally Invasive Endoscopic Surgery for Infectious Spondylodiscitis of the Thoracic and Upper Lumbar Spine in Immunocompromised Patients. BioMed Research International, 2015, 2015, 1-8.	1.9	14
84	Prognostic significance of high-mobility group box protein 1 genetic polymorphisms in rheumatoid arthritis disease outcome. International Journal of Medical Sciences, 2017, 14, 1382-1388.	2.5	14
85	Digital Light Processing Bioprinted Human Chondrocyte-Laden Poly (γ-Glutamic Acid)/Hyaluronic Acid Bio-Ink towards Cartilage Tissue Engineering. Biomedicines, 2021, 9, 714.	3.2	13
86	Tamoxifen use reduces the risk of osteoporotic fractures in women with breast cancer in Asia: a nationwide population-based cohort study. BMC Musculoskeletal Disorders, 2015, 16, 123.	1.9	11
87	Disorder-related risk factors for revision total hip arthroplasty after hip hemiarthroplasty in displaced femoral neck fracture patients: a nationwide population-based cohort study. Journal of Orthopaedic Surgery and Research, 2016, 11, 66.	2.3	11
88	Risk of fracture in transfusion-na $\tilde{A}$ -ve thalassemia population: A nationwide population-based retrospective cohort study. Bone, 2018, 106, 121-125.	2.9	11
89	Visfatin increases ICAM-1 expression and monocyte adhesion in human osteoarthritis synovial fibroblasts by reducing miR-320a expression. Aging, 2020, 12, 18635-18648.	3.1	11
90	Discontinuation of alendronate and administration of bone-forming agents after surgical nailing may promote union of atypical femoral fractures in patients on long-term alendronate therapy. BMC Research Notes, 2013, 6, 11.	1.4	10

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91	Fracture in Asian Women with Breast Cancer Occurs at Younger Age. PLoS ONE, 2013, 8, e75109.	2.5	10
92	A novel benzofuran derivative, ACDB, induces apoptosis of human chondrosarcoma cells through mitochondrial dysfunction and endoplasmic reticulum stress. Oncotarget, 2016, 7, 83530-83543.	1.8	10
93	Hemoglobin level trajectories in the early treatment period are related with survival outcomes in patients with breast cancer. Oncotarget, 2017, 8, 1569-1579.	1.8	10
94	Apelin Promotes Endothelial Progenitor Cell Angiogenesis in Rheumatoid Arthritis Disease via the miR-525-5p/Angiopoietin-1 Pathway. Frontiers in Immunology, 2021, 12, 737990.	4.8	9
95	IL-17 Facilitates VCAM-1 Production and Monocyte Adhesion in Osteoarthritis Synovial Fibroblasts by Suppressing miR-5701 Synthesis. International Journal of Molecular Sciences, 2022, 23, 6804.	4.1	9
96	Inhaled corticosteroids and the risks of lowâ€energy fractures in patients with chronic airway diseases: A propensity score matched study. Clinical Respiratory Journal, 2018, 12, 1830-1837.	1.6	8
97	Association of Traditional Chinese Medicine Therapy with Risk of Total Hip Replacement in Patients with Nontraumatic Osteonecrosis of the Femoral Head: A Population-Based Cohort Study. Evidence-based Complementary and Alternative Medicine, 2019, 2019, 1-11.	1.2	8
98	A paeonol derivative, YPH-PA3 promotes the differentiation of monocyte/macrophage lineage precursor cells into osteoblasts and enhances their autophagy. European Journal of Pharmacology, 2018, 832, 104-113.	3.5	7
99	S1P facilitates IL $\hat{a} \in \hat{A}^2$ production in osteoblasts via the JAK and STAT3 signaling pathways. Environmental Toxicology, 2020, 35, 991-997.	4.0	7
100	Nesfatin-1 facilitates IL- $1\hat{l}^2$ production in osteoarthritis synovial fibroblasts by suppressing miR-204-5p synthesis through the AP-1 and NF- $\hat{l}^2$ B pathways. Aging, 2021, 13, 22490-22501.	3.1	7
101	The association with xerostomia from sialadenitis and the jaw osteonecrosis in head and neck cancer population: a nationwide cohort study. Clinical Oral Investigations, 2019, 23, 585-593.	3.0	6
102	Increased risk of eczema after joint replacement. Medicine (United States), 2019, 98, e17914.	1.0	6
103	Isosteviol Derivative Inhibits Osteoclast Differentiation and Ameliorates Ovariectomy-Induced Osteoporosis. Scientific Reports, 2018, 8, 11190.	3.3	5
104	<i>VEGF-C</i> Gene Polymorphisms Increase Susceptibility to Rheumatoid Arthritis. International Journal of Medical Sciences, 2019, 16, 1397-1403.	2.5	5
105	Safety and efficacy of single CHAP Hyaluronan injection versus three injections of linear Hyaluronan in pain relief for knee osteoarthritis: a prospective, 52-week follow-up, randomized, evaluator-blinded study. BMC Musculoskeletal Disorders, 2021, 22, 572.	1.9	5
106	Hericium erinaceus Mycelium Ameliorates In Vivo Progression of Osteoarthritis. Nutrients, 2022, 14, 2605.	4.1	5
107	Simultaneous spontaneous ruptures of both flexor tendons in the little finger. Journal of Hand Surgery: European Volume, 2010, 35, 236-236.	1.0	4
108	The Effects of Tgfb1 and Csf3 on Chondrogenic Differentiation of iPS Cells in 2D and 3D Culture Environment. International Journal of Molecular Sciences, 2021, 22, 2978.	4.1	4

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109	External Fixator for Maintaining Reduction Before Volar Plating. Techniques in Hand and Upper Extremity Surgery, 2016, 20, 14-20.	0.6	3
110	Simultaneous ipsilateral hip and knee fracture-dislocations. Formosan Journal of Musculoskeletal Disorders, 2011, 2, 66-70.	0.2	2
111	Sitagliptin and Fractures in Type 2 Diabetes: A Nationwide Population-Based Propensity-Matching Study. Frontiers in Pharmacology, 2018, 9, 677.	3.5	2
112	Associations between WNT1-inducible signaling pathway protein-1 (WISP-1) genetic polymorphisms and clinical aspects of rheumatoid arthritis among Chinese Han subjects. Medicine (United States), 2019, 98, e17604.	1.0	2
113	Acetabular Fractures with Central Hip Dislocation: A Retrospective Consecutive 50 Case Series Study Based on AO/OTA 2018 Classification in Midterm Follow-Up. BioMed Research International, 2021, 2021, 1-8.	1.9	2
114	Comparison of the risk of nonâ€traumatic lower extremity amputation between haemodialysis and peritoneal dialysis patients with endâ€stage renal disease. Nephrology, 2018, 23, 86-92.	1.6	1
115	Curative use of forequarter amputation for recurrent breast cancer over an axillary area: a case report and literature review. World Journal of Surgical Oncology, 2014, 12, 346.	1.9	0